



MACHINE TOOLS

CATALOGO

2026 - 2027

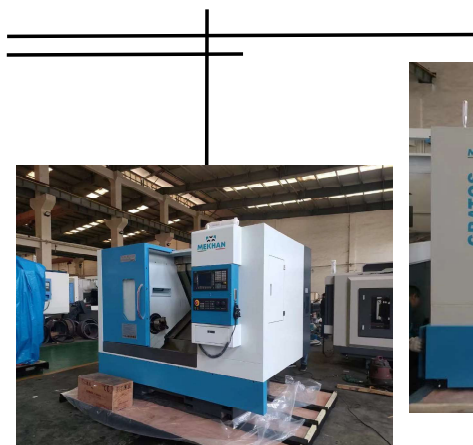


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Machine Tools Catalog 2026-2027

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IAGO -alpha



Code MEKHAN:	XT100010 - ... - XT100150
Max swing over bed	500/660/800mm
Max swing over cross slide	280/420mm
Max work piece length	750/1000/1500/2000/3000mm
Bed width	400/460mm
Z axis travel	750/1000/1500/2000/3000mm
X axis travel	350/380mm
X/Z axis rapid feed	6/8 m/min
Spindle power	7.5/11kw
Spindle speed	150-1600rpm
Spindle bore	Φ82mm/optional Φ105mm
Spindle nose	A2-8/optional A2-11
Chuck size	250/320mm
Spindle bore taper	Φ90mm 1:20
Tool station	4 way atc/optional 6/8 way
Tool size	26~26mm
Tailstock taper/diameter/travel	MT5/150mm/Φ75mm
N.W.	2950/3300/3550/3750kg
Packing size	2600/3050/3350/3850/4850×1800×2150mm

IAGO -beta



Code MEKHAN:	XT100160 - ... - XT100230
Max swing over bed	360/400mm
Max swing over carriage	190/220mm
Distance between center	500/750/1000/1500mm
Bed width	330mm
Spindle nose	A2-6
Spindle motor power	5.5kw
Spindle power	150-250rpm
Spindle bore	Φ60mm
X axis travel	250mm
Z axis travel	500/750/1000/1500mm
Tool station and size	4 way (opt.6,8)
Sleeve diameter/travel	120m/Φ55mm
Quill taper	MT4
Packing size	1850/2250/2640/3200×1530×2020mm
Net weight	1350/1500/1700/2100kg



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IAGO -gamma



Code MEKHAN:	XT100240 - XT100250 - XT100260
Max swing over bed	360mm
Max swing over carriage	155mm
Max work piece length	500/750/1000mm
Bed width	260mm
Spindle nose	A2-C
Spindle motor power	4kw
Spindle power	150-2500 rpm
Spindle bore	Φ60mm
X axis travel	350mm
Z axis travel	500/750/1000mm
Tool station and size	4 way
Tailstock taper/diameter/travel	MT4/110mm/Φ50mm
Packing size	1920/2250/2500×1460×2000mm
Net weight	1300/1450/1600kg

IAGO -epsilon



Code MEKHAN:	EXT100300
Max. swing over bed	350mm
Max. swing over slide	150mm
Max turning length	350mm
Max turning bar diameter	40mm
Spindle nose	A2-5
Spindle speed	20-3000rpm
Main motor	4KW
Spindle bore	48mm
Spindle output torque	35Nm
Collet/3 jaw chuck	max 38mm/160mm
X/Z travel	70/300mm
X axis guideway	Taiwan linear GH30
X/Z leadscrew	2506/3208
X/Z rapid feed	15/20m/min
Weight	1200kg
Overall dimension	1680x1300x 1720mm

IAGO -delta



Code MEKHAN:	XT100270 - XT100280 - XT100290
Max swing over bed	360mm
Max swing over carriage	150mm
Max work piece length	500/750/1000mm
Bed width	215mm
Spindle nose	A2-5
Spindle bore taper	MT5
Spindle motor power	4kw
Spindle power	150-2500 rpm
Spindle bore	Φ40mm
X axis travel	180mm
Z axis travel	500/750/1000mm
Tool station and size	4 way
Sleeve diameter/travel	100mm/Φ32mm
Quill taper	MT4
Packing size	1720/1960/2250×1320×2000mm
Net weight	800/900/1050kg

IAGO -zeta



Code MEKHAN:	EXT100310
Swing over bed	φ280mm
Swing over cross slide	φ150mm
Distance between centers	500mm
Bed width	180mm
Spindle nose	A2-5
Spindle bore	φ40
Spindle type	MT5
Chuck size	125mm
Spindle speed	150-2500rpm or optional 30-4000rpm
X axis travel	145mm
Z axis travel	500mm
Turret	4 way
Tool section size	12 X12mm
Tailstock sleeve travel	100mm
Sleeve diameter and type	φ45mm/MT3
Main motor	2.2 KW or 3.7 KW(OP.)
Coolant	120W
Weight	800KGS



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IAGO - eta



Code MEKHAN:	EXT100320
Swing over bed	210mm
Swing over cross slide	100mm
Distance between centers	300mm
Spindle bore	26mm
Spindle taper	MT4
Spindle speed	50-2500rpm
Tool post	4-position 10x10mm
X-axis travel	110mm
Z-axis travel	300mm
X/Z axis fast moving speed	4/6 m/min
X/Z-axis feed rate	3/5 m/min
Spindle motor power	1.88kw servo motor
Spindle motor torque	6nm
Control system	SIEMENS808DA
X/Z-axis motor torque	2N.m
Minimum setting unit	0.001mm
Positioning accuracy	0.02mm
Repetitive positioning accuracy	0.01mm
Accuracy level of screw rod	P4 grinding grade ball screw
Tailstock taper/diameter/travel	MT2/φ22/50mm
Total power	4KVA
Overall size - stand	1250X680X1200mm
Overall size - machine	1350X750X1400mm
N.W	400kg

NEW ENTRY !!!! small and powerfull



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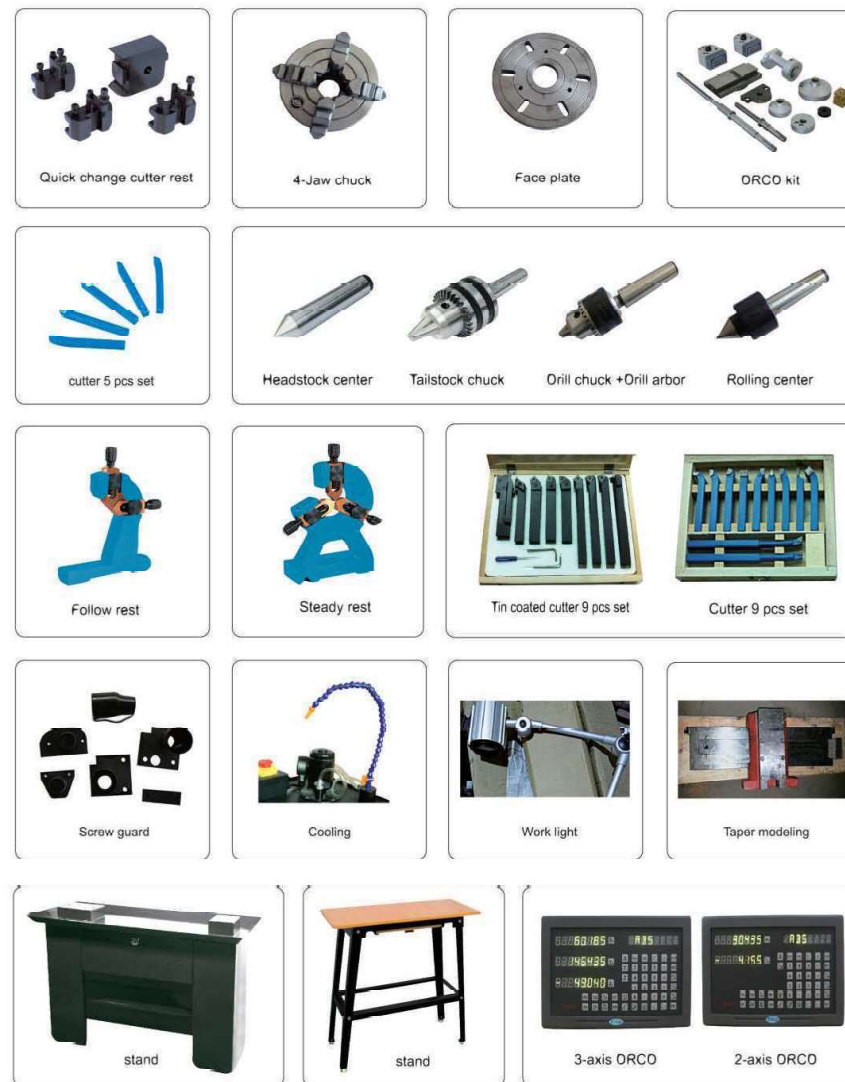
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OPTIONAL ACCESSORIES FOR LATHES



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ICARO



Figure: ICARO -beta (code XTBI101020)



Figure: ICARO -gamma (code XTBI101030)

ICARO	-alpha	-beta	-gamma	-delta	-epsilon
Code MEKHAN:	XTBI101010	XTBI101020	XTBI101030	XTBI101040	XTBI101050
Max swing over bed	Φ300mm	Φ320mm	Φ360mm	Φ420mm	Φ450mm
Max swing over carriage	Gang Φ90mm	Gang Φ90mm; Turret Φ100mm	Gang Φ110mm; Turret Φ130mm	Φ130mm	Φ180mm
Max turning diameter	Φ220mm	Φ280mm	Φ320mm	Φ360mm	Φ400mm
Max processing length	Gang 200mm	Gang 200mm; Turret 120mm	Gang 300mm; Turret 220mm	Gang 370mm; Turret 270mm	Gang 350mm; Turret 250mm
X axis travel	250mm	320mm	380mm	470mm	470mm
Z axis travel	250mm	250mm	330mm	400mm	400mm
X axis ball screw	2510-C3	2510-C3	2510-C3	3210-C3	3210-C3
X motor torque	/	≥8nm	≥7.5nm	≥7.5nm	≥7.5nm
Z axis ball screw	2510-C3	2510-C3	3210-C3	3210-C3	3210-C3
Z motor torque	/	≥8nm	≥7.5nm	≥10nm	≥10nm
Bed slant angle	45°	45°	45°	45°	45°
Linear guide's span	290mm	320mm	362mm	440mm	440mm
Max spindle speed	4500rpm	4500rpm	4500rpm	4500rpm	4500rpm
Spindle bore	Φ28mm	Φ36mm	Φ46mm	Φ56mm	Φ61mm
Spindle nose size	/	A2-4	A2-4	A2-5	A2-6
Spindle bore taper	/	A2-4	A2-4	A2-5	A2-6
Spindle motor	2.2kw	3.7kw	3.7kw or 5.5kw	5.5kw	5.5kw
Hydraulic or collet chuck	Φ20mm collet chuck	5" hydraulic or Φ25mm collet chuck	5" hydraulic or Φ36mm collet chuck	6" hydraulic or Φ46mm collet chuck	8" hydraulic or Φ52mm collet chuck
Diameter of tailstock sleeve	/	/	/	/	/
Max travel of tailstock sleeve	/	/	/	/	/
Taper of tailstock sleeve	/	/	/	/	/

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ERMES



Figure: ERMES -beta (code XTBI101070)



Figure: ERMES -delta (code XTBI101090)

ERMES	-alpha	-beta	-gamma	-delta	-epsilon	-zeta	-eta
	XTBI101060	XTBI101070	XTBI101080	XTBI101090	XTBI101100	XTBI101110	XTBI101120
	Φ420mm	Φ420mm	Φ450mm	Φ550mm	Φ580mm	Φ630mm	Φ800mm
	Φ180mm	Φ160mm	Φ160mm	Φ220mm	Φ250mm	Φ280mm	Φ360mm
	Φ340mm	Φ340mm	Φ360mm	Φ400mm	Φ400mm	Φ500mm	Φ550mm
	250mm	200mm	500mm	450mm	400mm	750mm	700mm
	180mm		250mm		280mm	320mm	350mm
	330mm		530mm		850mm	850mm	1100mm
	3208-C3		3208-C3		3210-C3	3210-C3	4010-C3
	≥7.5nm		≥10nm		≥10nm	≥10nm	≥15nm
	3210-C3		3208-C3		4010-C3	4010-C3	4010-C3
	≥10nm		≥10nm		≥10nm	≥10nm	≥15nm
	45°		45°		45°	45° one whole iron cast	45° one whole iron cast
	362mm		400mm		400mm	400mm	466mm
	4500rpm	4500rpm	4500rpm	4500rpm	4500rpm	3000rpm	3000rpm
	Φ56mm	Φ61mm	Φ56mm	Φ61mm	Φ61mm	Φ79mm	Φ88mm
	A2-5	A2-6	A2-5	A2-6	A2-6	A2-8	A2-8
					1.20	1.20	1.20
	5.5kw	7.5kw	5.5kw	7.5kw	7.5kw	11kw	15kw
	5" hydraulic or Φ36mm collet chuck	8" hydraulic or Φ52mm collet chuck	6" hydraulic or Φ46mm collet chuck	8" hydraulic or Φ52mm collet chuck	10" hydraulic or Φ79mm collet chuck	10" hydraulic or Φ88mm collet chuck	12" hydraulic or Φ105mm collet chuck
	Φ72mm	Φ72mm	Φ72mm	Φ72mm	Φ90mm	Φ90mm	Φ90mm
	100mm	100mm	100mm	100mm	120mm	120mm	120mm
	MT4	MT4	MT4	MT4	MT5	MT5	MT5

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PEGASO



Figure: PEGASO -alpha (code XTBI101130)



Figure: PEGASO -delta (code XTBI101160)

PEGASO		-alpha	-beta
Code MEKHAN:		XTBI101130	XTBI101140 - XTBI101150
Bed structure	-	30/45° Integral bed	45° Integral bed
Guideway type	-	Linear/Sliding	Linear/Sliding
Max. swing over bed	mm	360	400
Max. swing over cross slide	mm	300	320
Max. diameter of bar	mm	52	74 (50)
Spindle speed	rpm	50-4000	2000 (2500)
Spindle nose	-	A2-6	A2-8 (A2-6)
Spindle bore	mm	65	86 (76)
Chuck size	mm	200	250 (200)
Gross travel (X)	mm	200	250
Longitudinal travel (Z)	mm	550	600/1000
X/Z-axis rapid feed speed	m/min	24/24	20/16
Hydraulic tool post type	-	80-8T	100-8T (80-12T)
Tool section size	mm	25×25/Ø32	25×25/Ø40
Tailstock quill diameter	mm	110	75
Tailstock quill travel	mm	100	100
Tailstock quill taper	-	MT5	MT5
Working accuracy	mm	IT6	IT6
X-axis repositioning accuracy	mm	0.006	0.006
Z-axis repositioning accuracy	mm	0.008/0.01	0.008/0.01
Main motor power	kw	11	11 (15)
Power supply	kva	25	35
Machine dimensions (L×W×H)	mm	2300×1700×1900	2900/3100×1800×1800
Machine weight	kg	3200	3100/3600

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-gamma	-delta	-epsilon
XTBI101160 -70 -80	XTBI101190 -200 -210 -220	XTBI101230 -240 -250 -260
45° Integral bed	30° Integral bed	30° Integral bed
Linear/Sliding	Linear/Sliding	Linear/Sliding
500	660	800
320	500	640
74	90 (74)	90
2000	1500 (2250)	1500
A2-8 (A2-6)	A2-11 (A2-8)	A2-11
86 (76)	112 (86)	112
250/305	380 (320)	380
250	400	400
1500/2150/3150	750/1500/2000/3000	750/1500/2000/3000
20/16	16/16 (sliding: 12/12)	12/16 (sliding: 12/12)
100-8T (100-12T)	125-12T (160-8T)	125-12T (160-12T)
25×25/Ø40	25×25/Ø40	25×25/Ø40
110	150	150
100	150	150
MT4	MT5 (rotary)	MT5 (rotary)
IT6	IT6	IT6
0.006	0.008	0.008
0.013/0.017/0.021	0.01/0.013	0.01/0.013
15 (18.5)	22 (18.5)	22
35	50	50
4300/4950/5600×2050×1980	3700/4400/5000/6000×2200×2200	3800/4400/5000/6000×2200×2200
4600/5300/6900	5500/6000/6800/7700	5800/6500/7300/8200

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EOLO -alpha



Code MEKHAN:	EXTBI01270
Turning diameter over bed(max)	200mm
Travel across slide	90mm
Center width	280mm
Chuck diameter	100mm
Spindle speed	100-3000r/min
Spindle through-hole	20mm
Spindle mount	MT3
Spindle motor power	1000w
X travel	100mm
Z travel	175mm
Motor	3N.m
Tool position	8
Tool dimension 4 internal	Φ12mm
4 external	8×8mm
Tailstock taper	MT1
Tailstock sleeve diameter	22mm
Travel of tailstock	30mm
Weight (N.W./G.W.)	210/250kg
Packing Size	1260×890×1020mm

EOLO -beta



Code MEKHAN:	EXTBI01280
Turning diameter over bed(max)	300mm
Travel across slide	100mm
Center width	400mm
Chuck diameter	125mm
Spindle speed	100-3000r/min
Spindle through-hole	20mm
Spindle mount	MT3
Spindle motor power	1500w
X travel	240mm
Z travel	320mm
Motor	400w
Tool position	8
Tool dimension	10×10mm
Tailstock taper	MT2
Tailstock sleeve diameter	17mm
Travel of tailstock	50mm
Weight (N.W./G.W.)	620kg
Dimension	1400×770×1600mm

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ORIONE -alpha



Code MEKHAN:	XTBI01290
Max.swing over bed	Φ350mm
Distance between centers	250mm
Max swing over cross slide	Φ185
Rail width	284mm
Chuck diameter	Φ160mm
Spindle bore	Φ56mm
Spindle nose	A2-5
Max spindle speed	4000rpm
Z axis travel	300mm
X axis travel	350mm
X/Z rapid speed	15/15 m/min
X/Z guide way & screw	Taiwan
No.of stations	6 way Gang type
Tool size	20×20mm
Spindle motor	4kw
Coolant pump power	120w
Overall dimension	2600×1300×1700mm
Packing size	2800×1700×2050mm
N.W./G.W.	1500/1700kg

ORIONE -beta



Code MEKHAN:	XTBI01300
Max swing over bed	320mm
Max swing over cross slide	160mm
Max work piece cutting length	500mm
Max spindle speed	4000rpm
Spindle nose	A2-5
Spindle bore	Φ56mm
Chuck size	160mm
X axis travel	210mm
Z axis travel	500mm
X/Z axis rapid speed	15/15m/min
Hydraulic turret	8pcs
Max tool size	20×20mm
Tailstock sleeve travel	80mm
Tailstock sleeve diameter/taper	60mm/MT4
Spindle motor power	5.5kw
Coolant power	120w
Overall size	2650×1550×1750mm
Packing size	2850×1750×2150mm
N.W.	2400kg
G.W.	2700kg

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ORIONE -gamma



Code MEKHAN:	XTBI101310
Max. swing over bed	Φ350mm
Distance between centers	360mm
Max swing over cross slide	Φ130
Rail width	204mm
Chuck diameter	Φ160mm
Spindle bore	Φ56mm
Spindle nose	A2-5
Max spindle speed	4000rpm
Z axis travel	400mm
X axis travel	470mm
X/Z rapid speed	15/15 m/min
X/Z guide way & screw	Taiwan
No. of stations	6 way gang type
Tool size	20×20mm
Spindle motor	5.5kw
Coolant pump power	120w
Overall dimension	2650×1600×1750mm
Packing size	2860×1800×2050mm
N.W./G.W.	2000/2200kg

ORIONE -delta



Code MEKHAN:	XTBI101320 - XTBI101330
Max swing over bed	360mm
Max swing over carriage	200mm
Max work piece cutting length	500/750mm
Spindle nose	A2-5/A2-6
Spindle bore	Φ56/68mm
Chuck size	160/200mm
Max spindle speed	4000rpm
X axis travel	210mm
Z axis travel	500 mm
X/Z axis rapid speed	15/15m/min
Max tool size	20×20mm
Tailstock sleeve travel	80mm
Tailstock sleeve diameter/taper	60mm /MT4
Spindle motor power	5.5kw
Coolant power	120w
Overall size	2650×1550×1750mm
Packing size	2850×1750×2150mm
N.W./G.W.	2600/2900kg

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ORIONE -epsilon



Code MEKHAN:	XTBI101340
Max. swing over bed	Φ350mm
Distance between centers	400mm
Max swing over cross slide	Φ180
Chuck diameter	Φ200mm
Spindle bore	Φ61mm
Spindle nose	A2-6
Max spindle speed	4000rpm
Z axis travel	400mm
X axis travel	470mm
X/Z rapid speed	15/15 m/min
X/Z guide way & leadscrew	Taiwan
No. of stations	6 way gang type
Tool size	20×20mm
Spindle motor	7.5kw
Coolant pump power	120w
Overall dimension	2650×1600×1750mm
Packing size	2860×1800×2050mm
N.W./G.W.	2200/2400kg

ORIONE -zeta



Code MEKHAN:	XTBI101350 - XTBI101360
Max swing over bed	400mm
Max swing over carriage	260mm
Distance between centers	500/750mm
Spindle nose	A2-6
Spindle bore	Φ62mm
Chuck size	200mm
Max spindle speed	4000rpm
X axis travel	240mm
Z axis travel	500/750mm
X/Z axis rapid speed	15/15m/min
Hydraulic turret	8pcs (opt. 12pcs)
Max tool size	25×25mm
Tailstock sleeve travel	80mm
Tailstock sleeve diameter/taper	75mm/MT5
Spindle motor power	7.5kw
Coolant power	120w
Overall size	2800/3150×1800×1800mm
Packing size	3000/3450×2000×2000mm
N.W.	2800/3000kg
G.W.	3100/3300kg

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ORFEO -alpha



Code MEKHAN:	XC200010
Main motor power kw	3.7kw
Spindle max. rotating speed	Servo spindle 6000rpm
Z motor torque	7.7n.m
X motor torque	6n.m
Y motor torque	6n.m
Spindle taper	BT40
Worktable size	800×260mm
Travel (Longitudinal X/Horizontal Y/Vertical Z)	450×320×420mm
Distance of spindle axis to guideway plane	360mm
Distance of spindle end to worktable	90-470mm
The vertical permissible error of spindle axis to worktable plane	≤0.02mm
Positioning accuracy	0.02mm
Repeated positioning accuracy	0.01mm
Machine overall dimension (L×W×H) mm	2600×1950×2400
Machine net weight kg	2400
Magazine capacity	10/12 (Bamboo Hat)
System configuration	Siemens 808D
External protection level	Full Closed

ORFEO -beta



Code MEKHAN:	XC200020
Main motor	5.5 kw
Spindle taper	BT40
Spindle speed	200-8000 rpm
Distance of spindle end to worktable plane	100-600 mm
Distance of spindle hole center to column plane	460 mm
Worktable size	1250×360 mm
Worktable travel (L/H)	900/350 mm
Max. load of worktable	400 kg
Worktable T slot: No./width/interval	3/18/80
Max moving: X axis	10 m/min
Max moving: Y axis	10 m/min
Max moving: Z axis	8 m/min
Positioning accuracy	0.02 mm
Repeatable positioning accuracy	0.01 mm
Machine dimension (L×W×H)	3300×2280×2550 mm
Machine weight	3800 kg



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CRATOS -alpha



Code MEKHAN:	XC200030
Main motor power kw	5.5kw
Spindle max. rotating speed	Servo spindle 8000rpm
Z motor torque	15n.m
X motor torque	6n.m
Y motor torque	6n.m
Spindle taper	BT40
Worktable size	800×320mm
Travel (Longitudinal X/Horizontal Y/Vertical Z)	600×400×450mm
Distance of spindle axis to guideway plane	350mm
Distance of spindle end to worktable	80-530mm
The vertical permissible error of spindle axis to worktable plane	≤0.02mm
Positioning accuracy	0.02mm
Repeated positioning accuracy	0.01mm
Machine overall dimension (L×W×H)mm	2600×1950×2400
Machine net weight kg	2800
System configuration	Siemens 808D
External protection level	Full Closed

CRATOS -beta



Code MEKHAN:	XC200040
Worktable size	900×400mm
Travel (Longitudinal X/Horizontal Y/Vertical Z)	650×450×500mm
Spindle taper	BT40
Main motor power	7.5kw
Spindle max. rotating speed	Servo Spindle 8000rpm
Loading capacity	400kg
T slot	3-18-125mm
Distance from spindle end to worktable	120-620mm
Distance from spindle hole center to column	500mm
X axis rapid feed	20m/min
Y axis rapid feed	20m/min
Z axis rapid feed	18m/min
Positioning accuracy	0.007mm
Repeated positioning accuracy	0.005mm
Machine overall dimension (L×W×H)	2300×2200×2400mm
Machine net weight	3800kg



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CRATOS -gamma



Code MEKHAN:	XC200050
Table size	1000×500mm
X axis travel	800mm
Y axis travel	500mm
Z axis travel	500mm
Distance between spindle center and column surface	550mm
Distance between spindle nose and table surface	150-650mm
T slot	5-18×100mm
Spindle taper	BT40
Max. spindle speed	8000rpm (optional 10000rpm)
Main motor power	7.5kw
X/Y/Z axis servo motor torque	15/15/22n.m
X/Y/Z guide rail form	3 axis linear guide rail
Automatic tools changer	24 pcs
Max. tool diameter	80mm /150mm
X/Y/Z axis rapid traverse	24/24/20 m/min
Repeat positioning accuracy	±0.003mm/300mm
Machine dimension	2750×2300×2300mm
Machine weight	5000kg

CRATOS -delta



Code MEKHAN:	XC200060
Table size	1000×550mm
X axis travel	850mm
Y axis travel	550mm
Z axis travel	550mm
Distance between spindle center and column surface	595mm
Distance between spindle nose and table surface	120-670mm
T slot	5-18×100mm
Spindle taper	BT40
Max. spindle speed	8000rpm (optional 10000/20000rpm)
Main motor power	7.5/11kw
Max. table load	600kg
Automatic tools changer	24 pcs tool arm type (optional 20 carousel)
X/Y/Z axis rapid traverse	24/24/20 m/min
Cutting feed speed	10m/min
Position accuracy	±0.01mm
Repeat positioning accuracy	±0.003mm/300mm
Coolant	200l/120w; 50l/min
Air supply	0.6mpa
Machine dimension	2750×2300×2300mm

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CRATOS -epsilon



Code MEKHAN:	XC200070
Table size	1200×600mm
X axis travel	1000mm
Y axis travel	600mm
Z axis travel	600mm
Spindle nose to table surface	120-670mm
Spindle axis to column surface	650mm
T-slot	44699
Spindle taper	BT40
Max. spindle speed	8000rpm
Main motor power	11kw
Max. table load	800kg
Table size	1200×600mm
Automatic tools changer	24 pcs tool arm type (optional 20 carousel)
Max. tool weight	8kg
Max. tool length	200mm
Max. tool diameter	80mm /150mm
X/Y axis rapid movement rate	20000mm
Z axis rapid movement rate	18000mm
Position accuracy	+0.01mm
Cutting feed rate	1-10000mm/min
Repeat positioning accuracy	±0.003mm/300mm
Air supply	0.6mpa
Machine dimension	3350×2300×2550mm
Machine weight	5800kg

CRATOS -zeta



Code MEKHAN:	XC200080
Table size	1200×600mm
X axis travel	1100mm
Y axis travel	600mm
Z axis travel	600mm
Distance between spindle center and column surface	650mm
Distance between spindle nose and table surface	120-720mm
T-slot	5-18×100mm
Spindle taper	BT40
Max. spindle speed	8000rpm (optional 10000/20000rpm)
Main motor power	11kw
X/Y/Z axis servo motor torque	22/22/22N.m
Max. table load	800kgs
Automatic tools changer	24 pcs Manipulator
X/Y/Z axis rapid traverse	24/24/20m/min
Cutting feed rate	10m/min
Position accuracy	+0.01mm
Repeat positioning accuracy	+0.003mm/300mm
Machine dimension	3350x2300x2550mm
Machine weight	6500kgs

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CRATOS -eta



Code MEKHAN:	XC200090
Main motor power	11kw
Max. spindle speed	8000rpm (optional 10000/12000rpm)
Z motor torque	22n.m
X motor torque	22n.m
Y motor torque	22n.m
Spindle taper	BT40
Worktable size	1400×700mm
Max.table load	1000kgs
Travel(Longitudinal X/Horizontal Y/Vertical Z)	1300×700×700mm
Spindle nose to table surface	110-810mm
Spindle axis to column surface	750 mm
T-slot width	5-18*110mm
Magazine capacity	24(manipulator)
Positioning accuracy	0.008mm
Repeated positioning accuracy	0.003mm
X/Y/Z axis rapid traverse	24/24/20m/min
Cutting feed speed	10m/min
Air supply	0.6MPa
Machine overall dimension(L×W×H)	3800×2750×2800mm
Machine net weight	9200kg

CRATOS -theta



Code MEKHAN:	XC200100
Working tale size	800×1600mm
X/Y/Z travel	1500/800/700mm
Distance between spindle end and table	170/870mm
Distance between spindle center and column guide way	800mm
Maximum weight of working table	1500kg
Table-T-slot	5-22-135mm
X/Y/Z axis rapid feed	16000mm/min
Three axis working rapid speed	8000mm/min
Positioning accuracy	±0.005/300mm
repeat positioning accuracy	±0.005mm
Spindle speed	8000rpm
Spindle taper	BT50/155mm
Control system	MITSUBISHI-M70VA/FANUC0i-mate-MD
Torque force of spindle motor	95.5nm/18.5kw
Torque force of X.Y.Z motor	37.2-122nm
Pneumatic source requirement	6kg/cm²
Power consumption	30kva
Machine size	4100×3100×3200mm
Machine weight	12300kg

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ARES -alpha



Code MEKHAN:	EXC200120
Table size	400×1450mm
T slot (amount×width×distance)	3×12mm×40mm
Max. load	20kg
X travel	260mm
Y travel	152mm
Z travel	180mm
Spindle nose to table	60-240mm
Spindle center to column	200mm
Spindle taper	ISO20
Spindle motor	1000w
Spindle speed	5000r/min
The max moving speed	2000mm/min
The max feeding speed	500mm/min
Max.tool length	110mm
Max.tool weight	0.5kg
Time of tool changing	10s
Positioning accuracy	0.015mm
Repeatability accuracy	0.01mm
Pneumatic supply	0.6 mpa
Weight (N.W./G.W.)	390×470kg

ARES -beta



Code MEKHAN:	EXC200130
Max drill capacity	20mm
Table size	500×180mm
X/Y/Z travel	280/190/300mm
Main motor	1100w brushless
Spindle speed	50-3000rpm
T Slot	12mm×3
Torque of X/Y/Z motor	3/3/3nm
Precision	0.02mm
Spindle	MT2/MT3/R8
Packing size(L×W×H)	1350×1200×1850mm
Weight(N.W/G.W)	400/450kg

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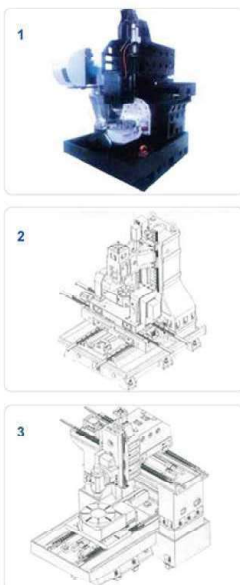
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SIVA



Figure: SIVA -gamma (code X5C200160)



-alpha -beta -gamma
X5C200140 - X5C200150 - X5C200160

Code MEKHAN:	
Worktable size	400/500/650mm
Longitudinal travel(X)	700mm
Cross travel(Y)	450mm
Vertical travel(Z)	400mm
Distance from spindle center to column	224mm
Distance from spindle nose to table	200-600mm
Spindle taper (style /diameter)	BT40/φ150mm
Max.spindle speed	10000mm
ATC style /station	Chain /32pcs
Tool change time	1.5sec
Max.tool diameter	φ76mm
Max.tool length	250mm
Max tool weight	7kg
Rapid moving speed	24/24/24m/min
Main motor	15kw
Feeding motor	50nm
Worktable loading capacity	200kg
Net weight(appox.)	11T
overall dimension(LxWxH)	2950x3150x2900mm

The data keeps on revising, please contact us by your customized request

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MIDA -alpha



Code MEKHAN:	XF200170
X/Y/Z axis travel	535mm/320mm/375mm
Distance from spindle nose to worktable surface	25-400mm
Distance from centre of spindle to surface of column ram	345mm
Tslot(width × num.)	16mm×3
Worktable size	1000×250mm
Max.loading of worktable	120kg
Power of spindle motor	1.5kw
Spindle speed range(low speed/high speed)	100-900/900-2500r/min
Spindle taper/Tool holder	ISO30/BT30
Feeding motor power(X/Y/Z)	1.5kw
Rapid traverse speed of 3 axes	X/Y/Z:12m/rmin(servo)
Cutting feeding rate	0-2000mm/min
Min.set unit & moving unit	0.001mm
Positioning accuracy	0.04
Repeatability accuracy	0.02
Changing way of tools	pneumatically
Air pressure	0.6mpa
Power of cooling pump for cutting	90w
Overall size	1516×1764×1708mm
Control system	GSK system
Net weight	1600kg

MIDA -beta



Code MEKHAN:	XF200180 - XF200190
Spindle taper	BT30
Table size	800×240mm (optional 900×240mm)
X/Y/Z travel	430/280/400mm (optional 530/280/400mm)
Spindle motor	3.7kw
Spindle speed	8000rpm
T slot (amount×width×distance)	3×16mm×80mm
Max. load on table	60kg
Spindle nose to table	60-460mm
Spindle center to column	297mm
Spindle motor	2.2kw
X/Y/Z feed motor	1/1/1kw
X/Y/Z rapid feed	6m/min
Feed speed	0-2m/min
Tool loose and clamping	pneumatically
Max load of tool	3.5kg
Packing size	1600×1200×2000mm

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OPTIONAL ACCESSORIES FOR MILLING MACHINE



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HORIZONTAL MACHINING CENTER

CRONO



Manipulator arm ATC



Chain type ATC



Taiwan Spindle

Working samples



CRONO	-alpha	-beta	-gamma	-delta
Code MEKHAN:	XA300010	XA300020	XA300030	XA300040
X-axis travel	800mm	1100mm	1600mm	2200mm
Y-axis travel	800mm	800mm	1000mm	1400mm
Z-axis travel	800mm	1100mm	1100mm	1200mm
Table size	500*500mm	630*630mm	800*800mm	1000*1000mm
Work table indexing	1°/360	1°/360	1°/360	1°/360
T slot size	5-18-100mm	5-18-100mm	6-22-125mm	125*22*6mm
Max. Loading of work table	800kg	1500kg	2500kg	6000kg
Spindle center to table	50-850mm	50-850mm	0-1000mm	350-1550mm
Spindle nose to table surface	125-925	125-1225	180-1180	100-1300mm
Spindle taper	BT-40	BT-50	BT-50	BT-50
Spindle range	8000rpm	6000rpm	6000rpm	6000rpm
Spindle power	11/15KW	15/18.5KW	15/18.5KW	15/18.5KW
Cutting speed	1-8000mm/min	1-8000mm/min	1-8000mm/min	1-8000 mm/min
X/Y/Z fast speed	24/24/24 m/min	24/24/24 m/min	24/24/24 m/min	24/24/24m/min
X/Y/Z position accuracy	±0.008	±0.008	±0.008	0.015
Repeatability	±0.005	±0.005	±0.005	0.008
Positioning accuracy of B axis	±10"	±10"	±10"	±10"
ATC	24pcs(optional 30pcs/40pcs 60pcs)	24 pcs(optional 30pcs/40pcs 60pcs)	24 pcs(optional 30pcs/40pcs 60pcs)	24 pcs(optional 30pcs/40pcs 60pcs)
Tool change time	2.7S	5S	5S	5S
Max. Tool weight	8kg	18kg	18kg	18kg
Max. Diameter of tool	75/125mm	112/200mm	125/230	φ80/φ150mm
Max. Length of tool	300mm	300mm	300mm	400mm
Machining weight	9500kg	12000kg	15000kg	20000Kg
Machine dimension	3800*3200*3280mm	4860*3600*3460mm	6200*4800*3800mm	6800*5200*3800mm



CRIO


CRIO	-alpha	-beta	-gamma	-delta	-epsilon
Code MEKHAN:	XA300050	XA300060-...70-...80	XA300090 - - 120	XA300130 - - 160	XA300170 - - 200
			Capacity		
Table size WXL	mm 820*1300	1000*2000/2500/3000	1300*2000/2500/3000	1600*2000/2500/3000	2000*3000/4000/5000
Loading capacity on table	ton 1	3.5	4	6/7/8/9	10/12/14/16
Distance from spindle surface to table surface	mm 70-670	150-950	250-1050	150-1150	280-1280
Table T slot	--- 5-18-160	7-22-170	7-22-170	9-22*180	9-22*200
X axis travel	mm 1000	2000/2500/3000	2000/2500/3000/3500	2000/2500/3000/3500	3000/4000/5000/6000
Y axis travel including travel a tool change	mm 1250	1650	1850	1850	2450
Z axis travel	mm 600	800	800	1000	1000
Gantry width	mm 1050	1400	1600	1800	2200
Spindle					
Spindle taper/diameter	--- BT50-155	BT50-190	BT50-190	BT50-155	BT50-190
Spindle speed-belt	rpm 6000/8000rpm	6000/8000rpm	6000/8000rpm	6000/8000rpm	6000/8000rpm
Main motor power	kw 11-15kw	15-18.5kw	15-18.5kw	15-18.5kw	22-
Cutting Speed					
Rapid feed speed	m/min X:15 Y:15 Z:10	X:15 Y:15 Z:10	X:15 Y:15 Z:10	X:15 Y:15 Z:10	X:10Y:15 Z:10
Cutting feeding speed	m/min 10	10	10	10	8
Accuracy					
Positioning accuracy	mm ±0.005	±0.005	±0.005	±0.005	±0.005
Repositioning accuracy	mm ±0.003	±0.003	±0.003	±0.003	±0.003
ATC					
Tool number	--- 24	24	24	24	24
Tool change time	s 2.7	2.7s	2.7s	2.7s	2.7s
Max tool weight	kg 8	8	8	8	8
Max tool diameter	mm 112/200	112/200	112/200	112/200	112/200
Max tool length	mm 400	400	400	400	400

Machine weight & dimension					
Machine weight	ton 10	15	19	21/23.5/26/28.5	28/32/36/40
Overall dimension	mm 3500*2400*3200	5000/5500/6000*3780*3568	5000/5500/6000/6500*4080*3668	6500/7500/8500/9500*4260*3868	8800/10800/12800/14800*4880*3868

Working samples


-eta	-iota	-kappa	-lambda	-theta	-zeta
XA300210-...-250	XA300260-...-300	XA300310 - - 350	XA300360 - - 400	XA300410 - - 450	XA300460 - - 510
			Capacity		
30*3000/4000/5000	2500*4000/5000/6000	2800*4000/5000/6000	3200*4000/5000/6000	3600*5000/6000/8000	3800*5000/6000/8000
00/7000/8000	/7000/8000	/7000/8000	/10000/8000	/10000/12000	/10000/12000
17/20/23/26/29	18/21/24/27/30	20/23/26/29/32	22/25/28/31/34	35/40/45/50/55	37/42/47/52/57
1-1280	280-1480	280-1480	280-1780	280-1780	70-670280-1780
28-200	12-28-200	14-28-200	15-28-200	17-28-200	19-28-200
30/4000/5000/6000	3000/4000/5000/6000	4000/5000/6000/7000	4000/5000/6000/7000	5000/6000/7000/8000	5000/6000/7000/8000
00/8000	/7000/8000	/8000	/8000	/10000/12000	/10000/12000
30	3300	3500	3800	4400	4600
30	1200	1200	1500	1500	1500
30	3000	3200	3500	4000	4200
Spindle					
50-190	BT50-190	BT50-190	BT50-190	BT50-190	BT50-190
30/8000rpm	6000/8000rpm	6000/8000rpm	6000/8000rpm	6000/8000rpm	6000/8000rpm
26kw	22-26kw	22-26kw	30-37kw	30-37kw	30-37kw
Cutting Speed					
0Y:15 Z:10	X:10Y:15 Z:10	X:10Y:15 Z:10	X:10Y:12 Z:10	X:10Y:12 Z:10	X:10Y:12 Z:10
	6	6	6	6	6
Accuracy					
005	±0.005	±0.005	±0.005	±0.005	±0.005
003	±0.003	±0.003	±0.003	±0.003	±0.003
ATC					
	24	24	24	24	24
s	2.7s	2.7s	2.7s	2.7s	2.7s
	8	8	8	8	8
2/200	112/200	112/200	112/200	112/200	112/200
300	400	400	400	400	400
Machine weight & dimension					
36/41/47/54/64	39/45/52/60/68	42/49/57/66/76	46/54/62/71/81	78/85/100/115/130	82/90/105/120/135
300/12000/14000/1	12000/14000/16000/	12000/15000/17000/	12000/15000/17000/	15000/17000/23000/	15000/17000/23000/29000/
30/18000/20000*	18000/20000*6950	22000*5900*6650	22000*6200*6950	29000/32000*6900	32000*7100*6950
30*6400	*6650			*6950	

PROLASER CO2



Machine Feature:

- . DSP offline control system and USB interface. Software support windows XP, windows 7, compatible with artcut, CorelDRAW, Photo-shop, Auto CAD etc.
- . Front & Rear entry for super-long plate to pass through.
- . Safety Magnetic switch to make sure safety during work.
- . Imported Linear rail guide with high durability, stability, precision.
- . Optional two laser head and customized configuration is welcome.

Application Materials:

Acrylic, wood, bamboo, cloth, marble, organic glass, crystal, plastic, garments, paper, leather, rubber, ceramic, glass and other nonmetal materials.

Application Industry:

advertisement, arts and crafts, leather, toys, garments, model, building upholstery, computerized embroidery and clipping, packaging and paper industry



PROLASER CO2	-alpha	-beta	-gamma	-delta	-epsilon	-gamma
Code MEKHAN:	LCO400010	LCO400020	LCO400030	LCO400040	LCO400050	LCO400060
Working area(mm)	600×400	600×900	1300×900	1400×1000	1600×1000	1800×1000
Standard laser power	60w/80w/100w/130w/150w					
Laser type	CO2 sealed laser tube, water cooling					
Engraving speed	0-1000mm/s					
Cutting speed	0-600mm/s					
Resetting positioning accuracy	<0.01mm					
Maximum forming character	Figure/english: 1×1mm: 1.5×1.5mm					
Power supply	220V±10% 50Hz or 110V±10% 60Hz					
Software supported	Artcut, Photoshop (Conversion output) CorelDraw, AutoCAD (Direct output)					
Main graphic format supported	PLT/DXF/DST/BMP/AI etc. (Direct output)					
Standard parts	1) knife working table with funnel 2) air pump 3) exhaust fans 4) standard cooling system 5) tool box					
Optional part	1) honeycomb worktable for soft material 2) motorized up and down table 3) auto focus 4) red dot positioning 5) rotary					
Running environment	Temperature: 0-45°, Humidity: 5%-95%					
Warranty	One year, except consumable parts					
Support	by calling or email or training					

PROLASER



Applications Industry:

Applicable to aerospace, mechanical manufacturing, electrical appliances, elevator manufacturing, automobile and the ship, watches and jewelry, tools machining, diamond cutting tools, gear, decoration and advertising and laser processing services.

Machine Feature:

1. Adopt the world's advanced fiber laser, fixed optical circuit design, optical circuit maintenance low operation cost, good cutting quality, high processing efficiency.
2. Mechanical structure adopts gantry styles, cross girder and lathe bed are made of welding structure. Gear rack transmission, double servo motors and drivers in Y, with accelerate speed up to 0.8G, ensures machine high speed as well as high precision.
3. Stable and reliable laser path system and CNC control system is easy to learn and simple to operate.
4. Adopt top brand fiber laser source, excellent laser beam, stable laser output, and precise cutting.



PROLASER	-alpha	-beta	-gamma	-delta
Code MEKHAN:	LF400070	LF400080	LF400090	LF400100
Working area	1300*2500mm	1300*3000mm	1500*3000mm	customized table size
Laser style	Fiber laser			
Laser power	500w (500w-5000w optional)			
Cutting speed	<60m/min according to materials			
Auxiliary gas	O ₂ N ₂ or compressed air			
Re positioning accuracy	0.01mm			
Min line width	0.01mm			
Cutting depth	0.2-20mm according to materials			
Driving way	Imported servo motor and driving			
Transmission way	Imported gear rack and linear guide rail			
Power requirements	380V/220V 50Hz/60Hz			



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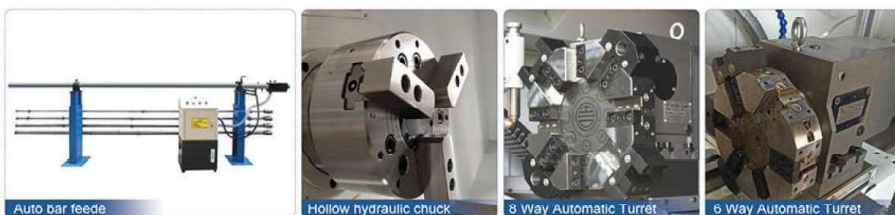


ACCESSORIES

* For vmc, cnc milling machine center



* For cnc lathe machine



* High quality parts we use



GEAR HEAD LATHE

HEAVYTURN



HEAVYTURN

Code MEKHAN:

	-alpha TP500010	-beta TP500020	-gamma TP500030	-delta TP500040
Max.weight of workpiece	8T			
Max.swing over bed	1000mm	1250mm	1400mm	1600mm
Max.swing over cross slide	620mm	870mm	1000mm	1200mm
Max swing over gap	1300mm	1550mm	1700mm	1900mm
Valid length of gap	450mm			
Center distance	1.5m 2m 3m 4m 5m 6m 8m 10m 12m			
Width of bed	780mm			
HEAD STOCK				
Spindle hole	Φ130mm			
Spindle taper	Metric 140#			
Spindle speeds	3.15-315r/min or 2.5-250r/mm forward 21 kinds, reverse 12kinds			
GEAR BOX-THREADS&FEEDS				
Metric threads range	44 kinds 1-120mm			
Inch threads range	31 kinds 1/4-24 T.P.I.			
Moudle threads range	45 kinds 0.5-60mm			
Diametral threads range	38 kinds 1/2-56DP			
Longitudinal feeds range	56 kinds 0.1-12mm			
Cross feed range	56 kinds 0.05-6mm			
Rapid feed: long/cross	3400mm/min, 1700mm/min			
TOOL POST				
Distance between Center & Tool	48mm			
Tool section	45°45mm			
CARRIAGE				
Cross slide travel	650mm			
Compound rest travel	280mm			
TAILSTOCK				
Sleeve diameter	Φ160mm			
Sleeve taper	Metric 80#			
Sleeve travel	300mm			
MOTOR				
Main motor	22kw			
Coolant motor	0.15kw			
Rapid feed motor	1.5kw			
Overall dimension SP2147-II (distance 1.5m/2m/3m/4m/5m/6m/8m/10m/12m)	4600/5100/6100/7100/8100/9100/11100/13100/15100x1900x2400mm			
Net weight SP2147-II (distance 1.5m/2m/3m/4m/5m/6m/8m/10m/12m)	10000/10800/11600/12400/13200/14000/15600/17200/18800kgs			

Standard accessories

Three-jaw Chuck Four-jaw Chuck Spindle Center Tailstock center Center sleeve
Square socket wrench Steady rest Follower rest Iron gasket



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GEAR HEAD LATHE HEAVYTURN



HEAVYTURN	-epsilon	-zeta	-eta	-theta
Code MEKHAN:	TP500050	TP500060	TP500070	TP500080
Max. swing over bed	630mm	800mm	1000mm	1200mm
Max. swing over cross slide	350mm	485mm	685mm	800mm
Distance between centers			1.5m/2m/3m/4m/5m/6m/7m/8m/9m/10m/11m/12m	
Max. swing over gap	830mm	1000mm	1200	1400mm
Valid length of gap				230mm
Bed width				550mm
HEADSTOCK				
Spindle hole		Ø105mm or Ø130mm (optional for SP2145-II, SP2145-III, SP2145-IV)		
Spindle nose				C-11 or D-11
Spindle taper		1:20 Ø120mm (Ø140mm optional for SP2145-II, SP2145-III, SP2145-IV)		
Spindle speeds (Number)				14-750rpm (18 steps)
GEAR BOX-THREADS & FEEDS				
Metric threads range (kinds)				1-240mm (54kinds)
Inch threads range (kinds)				28-1 inch (36kinds)
Module threads range (kinds)		Spindle speeds (number): 14-750rpm (18 steps)		
Diametrical threads range (kinds)		Lead screw size: diameter/Pitch: T48mm/12mm/		
Longitudinal feeds range (kinds)		0.048-24.3mm/r (72kinds)		
Cross feed range (kinds)		0.024-12.15mm/r (72kinds)		
Rapid feed: Long./Cross		4/2m/min		
Lead screw size: Diameter/Pitch		T48mm/12mm		
CARRIAGE				
Cross slide travel	350mm	420mm	520mm	620mm
Compound rest travel				200mm
Size of tool shank				32x32mm
TAILSTOCK				
Spindle diameter	Ø100mm	Ø100mm	Ø120mm	Ø120mm
Spindle taper				M18
Spindle traver				240mm
MOTOR				
Main drive motor				11kw
Coolant pump motor				0.09kw
Rapid feed motor				1.1kw
WEIGHT FLOOR SPACE (LxWxH)				
Center distance: (1500mm)			3452x1326x1390mm	SP2145-II
Net Weight	4300kg	4500kg	5000kg	5500kg

Standard accessories

Three-jaw Chuck	Four-jaw Chuck	Spindle Follower rest	Center Iron gasket	Tailstock center	Center sleeve
Square socket wrench	Steady rest				

GEAR HEAD LATHE HEAVYTURN

HEAVYTURN	-iota	-kappa
Code MEKHAN:	TP500090 ... TP500110	TP500120 ... TP500140
Swing over cross slide	Ø440 mm	Ø570 mm
Swing in gap	Ø900 mm	Ø1035 mm
Length of gap		250 mm
Center height	330 mm	400 mm
Distance between centers	1500/2000/3000 mm	
Width of bed	400 mm	
Max. section of tool	25x25 mm	
Max. travel of cross slide	368/420 mm	
Max. travel of compound rest	230 mm	
Spindle bore	Ø105 mm	
Spindle nose	D1.8	
Taper of spindle bore	Ø113 mm(1:20)/MT5	
Spindle speed step	16	
Range of spindle speed	25-1600 r/min	
Lead screw pitch	Ø40 mm x 2 T.P.I. or Ø40 mm x 12 mm	
Inch threads range	7/16-80 T.P.I. (54 kinds)	
Metric threads range	0.45-120 mm(54 kinds)	
Diametrical pitches range	7/8-60 DP(42 kinds)	
Module pitches range	0.25-60 MP(46 kinds)	
Dia. of tailstock sleeve	Ø90 mm	
Morse taper of tailstock	MT5	
Power of main motor	7.5 or 11 KW	
Power of coolant pump	0.09 kW(1/8HP)	



Cross feeds range in metric lead screw	0.044-1.48 mm/rev(25 kinds)
Longitudinal feeds range in metric lead screw	0.022-0.74 mm/rev(25 kinds)
Overall dimension (LxWxH)	3207/3707/4707x1230x1700 mm
Packing size (LxWxH)	3270/3770/4770x1140x1910 mm
Net weight	3200/3500/3900 kg
Gross weight	3700/4100/4600 kg

Standard accessories

Three jaw chuck	Four jaw chuck	Face plate
Steady rest	Thread chasing dial	Follow rest
One set of wrenches	Operation manual	Oil gun
Ø113mm(1:50)/MT5 sleeve and MT5 center		

HEAVYTURN

HEAVYTURN	-lambda
Code MEKHAN:	TP500150 - ... - TP500180
Max. swing over bed	660mm
Distance between centers	1000mm/1500mm/2000mm/2300mm/3000mm
Max. swing over cross slide	400mm
Width of bed	350mm
Max. swing over gap	885mm
Length of gap	200mm
Spindle nose	D1.8
Spindle bore	80mm 103mm
Taper bore of spindle	No.7 Morse Ø113 (1:20)
Steps of spindle speed	12 changes 25-1600r/min 25-1500r/min
Metric threads	47 kinds 0.2-14mm
Imperial threads	60 kinds, 2-12TPI
Module threads	34 kinds, 0.1-7MP
Diametrical threads	50 kinds, 4-12DP
Range of longitudinal feeds	35 kinds, 0.059-1.646mm/rev
Range of cross feeds	35 kinds, 0.020-0.573mm/rev
Dia of tailstock sleeve	75mm
Travel of tailstock sleeve	180mm
Taper of tailstock sleeve	No.5 Morse
Max travel of cross slide	355mm
Max. travel of compound rest	130mm
Main motor power	7.5kW
Overall dimensions (LxWxH)	240/285/336/370/435x115x151cm
Packing size (LxWxH)	245/290/340/375/440x115x182cm



Net weight	2420/2540/2800 /2880/3200kg
Gross weight	2430/2550/2810 /2890/3210kg
	2800/2930/3200 /3290/3680kg
	2810/2940/3210 /3300/3690kg



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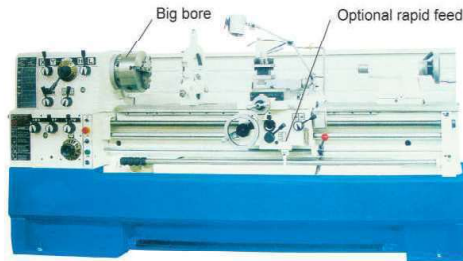
GEAR HEAD LATHE

HEAVYTURN

HEAVYTURN

Code MEKHAN:

	-mi TP500190 ... TP500220	-ni TP500230 ... TP500260
Swing over bed	510 mm	560 mm
Swing over cross slide	300 mm	350 mm
Swing in gap	738 mm	788 mm
Length of gap	200 mm	200 mm
Distance between centers	1000/1500/2000/3000 mm	
Center height	1135 mm	1160 mm
Width of bed		350 mm
Spindle nose		D1-8
Spindle bore		80 or 105 mm
Taper of spindle bore		MT7
Range of spindle speed	12 changes 25-1600 r/min	
Max. travel of compound rest		130 mm
Max. travel of cross slide		326 mm
Leadscrew pitch	6 mm or 4 T.P.I.	
Max. section of tool		25x25 mm
Longitudinal feeds range	35 kinds 0.059-1.646 mm/rev	
Cross feeds range	35 kinds 0.020-0.573 mm	
Metric threads range	47 kinds 0.2-14 mm	
Inch threads range	60 kinds 2-112 T.P.I.	
Diametrical pitches range	50 kinds 4-112 D.P.	
Module pitches range	39 kinds 0.1-7 M.P.	
Dia. of tailstock sleeve		75 mm
Travel of tailstock sleeve		180 mm
Morse taper of tailstock sleeve		MT5
Gross adjustment		±13mm
Power of main motor	7.5 kw(10HP), 3PH	
Power of coolant pump	0.1 kw(1/8HP), 3PH	



Overall dimension (LxWxH)	2350/2850/3350/4350x1150x1500mm
Packing size (LxWxH)	2400/2900/3400x1150x1600mm
Net weight	2040/2370/2720/3430kg
Gross weight	2400/2750/3150/4000kg

Standard accessories

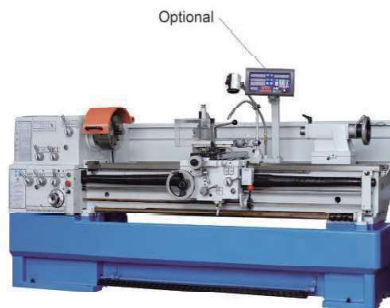
Face plate	One set of wrenches	Operation manual
Follow rest	Three jaw chuck and adapter	Thread chasing dial
Oil gun	Four jaw chuck and adapter	
Steady rest	MT 7/5 sleeve and MT 5 center	

HEAVYTURN

HEAVYTURN

Code MEKHAN:

	-xi TP500270 ... 310	-omicron TP500320 ... 360
Max. swing over bed	510mm	560mm
Max. swing over cross slide	305mm	355mm
Width of bed	350mm	350mm
Max. swing over gap	735mm	705mm
Length of gap		200mm
Spindle nose		D1-8
Spindle bore		80mm or 103mm
Taper bore of spindle		No.7 Morse φ113 (1:20)
Steps of spindle speed	12 changes 25-1600r/min/25-1500r/min	
Metric threads	47 kinds 0.2-14mm	
Imperial threads	60 kinds, 2-112TPI	
Module threads	34 kinds, 0.1-7MP	
Range of longitudinal feeds	35 kinds 0.059-1.646mm/rev	
Range of cross feeds	35 kinds 0.020-0.573mm/rev	
Dia. of tailstock sleeve		75mm
Travel of tailstock sleeve		180mm
Taper of tailstock sleeve		No.5 Morse
Size of tool shank		25x25mm
Max travel of cross slide		326mm
Max. travel of compound rest		130mm
Main motor power		7.5kw
Overall dimensions (LxWxH)	2400/2850/3350/3700/4350x1150x1460mm	
Packing size (LxWxH)	2450/2900/3400/3750/4400x1150x1740mm	



Net weight	2150/2270/2530/2610/2930kg 2280/2410/2670/2750/3070kg 2300/2420/2680/2760/3080kg
Gross weight	2530/2660/2930/3020/3410kg 2670/2800/3070/3160/3550kg 2000/2010/3000/3170/3500kg

GEAR HEAD LATHE

PROTURN -alpha

Code MEKHAN:

Max. swing over bed	500mm
Max. swing over cross slide	270mm
Swing in gap	700mm
Length of gap	357mm
Distance between centers	1000/1500/2000mm
Width of bed	340mm
Spindle nose	C6
Spindle bore	φ52mm
Taper of spindle bore	MT6
Range of spindle speed (stepless)	22-2000rpm
Eric threads - number/pitch	29/0.5-40 Nr/mm
Whitworth threads - number/pitch	38/1-80 Nr/TPI
Modular threads - number/pitch	26/0.25-20 Nr./mm
Diametral Pitch threads - number/number of DP threads	31/2-72 Nr./Nr.
Cross slide travel	300mm
Top slide travel	140mm
Max. section of tool	32x32mm
Tailstock sleeve diameter	φ70mm
Travel of tailstock	180mm
Taper of tailstock sleeve	MT5
Main motor power	5.5kw



Coolant pump power	120w
Parking size (LxWxH)	2700/3200/3720x1120x1905mm
Net weight	1735/1835/1950kg
Gross weight	1935/2035/2250kg



PROTURN

HEAVYTURN

Code MEKHAN:

	-beta TP500400 ... TP500420	-gamma TP500430 ... TP500450
Swing over bed	410 mm	460 mm
Swing over cross slide	224 mm	274 mm
Swing in gap	640 mm	690 mm
Length of gap		165 mm
Max. length of workpiece	1000/1500/2000 mm	
Bed width		300 mm
Spindle nose		D1-6
Spindle bore	58 or 82 mm	
Taper of spindle bore		MT6
Range of spindle speed	12 changes 25-2000 r/min	
Max. travel of compound rest		128 mm
Max. travel of cross slide		290 mm
Leadscrew pitch	6 mm/4 T.P.I.	
Max. section of tool		25x25 mm
Longitudinal feeds range	42 kinds 0.031-1.7 mm/rev	
Cross feeds range	42 kinds 0.014-0.784 mm	
Metric threads range	41 kinds 0.1-14 mm	
Inch threads range	60 kinds 2-112 T.P.I.	
Diametrical pitches range	50 kinds 4-112 D.P.	
Module pitches range	34 kinds 0.1-7 M.P.	
Dia. of tailstock sleeve	80 mm	
Travel of tailstock sleeve	120 mm	
Taper of tailstock sleeve		MT4
Cross adjustment		±13 mm
Power of main motor	4 KW (5.4HP), optional 5.5 KW (7.5HP) 3PH	
Power of coolant pump	0.1 KW (1/8 HP) 3HP	



Overall dimension (LxWxH)	nm
Packing size (LxWxH)	nm
Gross Weight	1980/2320/2450 kg 2045/2385/2515 kg

Standard accessories

3-jaw chuck (200mm) and adapter	Face plate (350mm)	Oil gun
4-jaw chuck (320mm) and adapter	Follow rest (20-80mm)	
Operation manual	MT6/4 sleeve and MT4 center	One set of wrenches
Thread chasing dial	Steady rest (20-140mm)	



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GEAR HEAD LATHE PROTURN -delta

Code MEKHAN:

	TP500460 - 470
Swing over bed	410 mm
Swing over cross Slide	255 mm
Swing in gap	580 mm
Length of gap	205 mm
Distance between centers	1000/1500 mm
Center height	205 mm
Width of bed	250 mm
Spindle nose	MT6
Spindle bore	52 mm
Taper of spindle bore	MT6
Range of spindle speed	16 step 45-1800 r/min
Max. travel of top slide	140 mm
Max. travel of cross slide	210 mm
Leadscrew pitch	4 T.P.I.
Max. section of tool	20x20 mm
Longitudinal feeds range	0.05-1.7 mm/rev
Cross feeds range	0.025-0.85 mm/rev
Metric threads range	30 kinds 0.2-14 mm
Inch threads range	45 kinds 2-72 T.P.I
Diametrical pitches range	21 kinds 8-44 D.P.I
Module pitches range	18 kinds 0.3-3.5 M.P.
Dia. of tailstock sleeve	50 mm
Travel of tailstock sleeve	120 mm
Morse taper of tailstock sleeve	MT4
Cross adjustment	±13 mm
Loading	4 pcs/20' container
Power of coolant pump	0.1 KW (1/8 HP), 3 HP

Variable speed is available



Power of main motor 2.2/3.3KW: or 5.5KW variable speed
Overall dimension(LxWxH) 1940/2450x850x320mm
Packing size(LxWxH) 2060/2560x900x1640mm
Weight(Net/Gross) 1550/1750; 1600/1755 kg

Standard accessories

300mm face plate Follow rest Thread chasing dial Steady rest Oil gun
Operation manual MT 6/4 sleeve and MT 4 center One set of wrenches
200mm three jaw chuck and adapter 320mm four jaw chuck and adapter



Optional for all gear head lathe

PROTURN

PROTURN

-epsilon

-zeta

Code MEKHAN:

	TP500480-490	TP500500-510
Max.swing over bed	330 mm	360 mm
Max.swing over cross slide	198 mm	212 mm
Max.swing over gap	476 mm	491 mm
Distance between centers	750/1000 mm	
Spindle bore	38 or 52mm(optional)	
Taper of spindle bore	MT5	
Range of spindle speed	70-2000 rpm(2 speed motor)	
Range of horizontal feeds	20 Nos.0.052-1.392 mm/r	
	16 Nos.0.078-1.044 mm/r	
Range of cross feeds	20 Nos.0.014-0.38 mm/r	
	16 Nos.0.018-0.238 mm/r	
Range of metric threads	26 Nos.0.4-7 mm	
	32 Nos.0.45-10 mm	
Range of inch threads	34 Nos.56-4T/inch	
	20 Nos.40-2.5T/inch	
Max. travel of tailstock quill	100 mm	
Taper of tailstock quill	MT3	
Power of motor	1.5 or 2.2 KW	
Packing Size (LxWxH)	1740/1950x750x1510 mm	
Net Weight	570/640 kg	620/690 kg
Gross Weight	620/690 kg	670/740 kg

Norton lever gearbox Available!!



Optional for all gear head lathe



Standard accessories

Tool box with tools Oil tray Oil gun
MT#3 dead centers Foot stands Splash guard
MT3/3 sleeve 3-jaw Chuck(Ø100mm)
Change gears set

GEAR HEAD LATHE PROTURN

PROTURN

-eta

-theta

Code MEKHAN:

	TP500520	TP500530
Max. swing over bed	360mm	400mm
Max. swing over cross slide		220mm
Max. swing over gap		506mm
Width of bed		208
Distance between center		1000mm
Taper of spindle hole		M.T.NO.6
Hole through spindle	38mm OR 52mm(optional)	
Step of spindle speed		8 or 16 steps
Range of spindle speeds		90 or 45-1800 rpm
Spindle nose		D1-5
Metric thread range		(37) 0.4-7mm
Inch threads range		(28) 4-56T.P.I
Range of longitudinal feeds	(42) 0.043-0.653mm/rev	
	(42) 0.0017-0.0257in/rev	
	(42) 0.015-0.22mm/rve	
	(42) 0.0006-0.0087in/rev	
Range of cross feeds		4mm
Pitch and diameter of leadscrew		840mm
Travel of carriage		178mm
Travel of cross slide		92mm
Travel of top slide		115mm
Travel of tailstock quill		45mm
Diameter of tailstock quill		M.T.NO.3
Taper of tailstock quill		2/3.3HP
Motor power		750KG/780KG
Net weight		1950x760x1480mm
Packing size		

52mm spindle bore optional



Standard accessories

3-jaw chuck(160mm) Change gears set
MT#3 dead centers Oil gun
Foot stands Splash guard
Oil tray Work Light

PROTURN -iota

Code MEKHAN:

ETP500540 - 550

Max.swing over bed	320 mm
Max.swing over gap	450 mm
Max.turning dia. over cross slide	198 mm
Max.length to be turned	880/1000 mm
Spindle: speed steps/range	8/70-2000 rpm
Spindle: spindle bore dia./taper	38 mm MT5
Feedrates: longitudinal(36kinds)	0.079-1.291 mm/rev
Feedrates: transverse(36kinds)	0.017-0.276 mm/rev
Thread-chasing: metric threads(36kinds)	0.4-7 mm
Thread chasing: inch threads(36kinds)	4-60 TPI
Turret: cross slide travel	160 mm
Turret: top slide travel	80 mm
Turret: swiveling angle of turret	±45°
Distance from the tool bearing surface to the centerline	13 mm
Tailstock: movement of tailstock quill	100 mm
Tailstock: taper of tailstock quill bore	MT3
Power of main drive motor	1.1/1.5 KW
Packing size	1680/1850x750x1400 mm
Net/Gross weight	520/560 kg 560/600 kg
Loading (unitary/asunder packing)	9/23 pcs/20'

Standard accessories

3-jaw Chuck(Ø160mm) Tool box with tools
MT#3 dead centers Foot stands
Change gears set Oil gun
Splash guard MT5/3 sleeve
Oil tray



Variable speed gear head lathe with DRCD
Other specifications are the same as SP2111

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BENCH LATHE PICOTURN

PICOTURN	-alpha	-beta
Code MEKHAN:	ETP500560	ETP500570
Swing over bed		ø305mm
Swing over carriage		ø173mm
Swing over gap		ø440mm
Width of bed-way		182mm
Distance between centers	530mm	940mm
Spindle taper		M.T.5
Spindle bore		ø36mm
Step of spindle speed		12 step
Range of spindle speed		50~1200rpm
Metric thread	15kinds (0.25~7.5mm)	
Inch thread	40kinds (4~112T.P.I)	
Range of feed amount	0.12~0.42 (0.0047~0.0165)mm/r	
Diameter of lead screw		ø22 (7/8")mm
Pitch of lead screw		3mm or 8T.P.I
Saddle travel	510mm	810mm
Cross travel		150mm
Compound travel	90mm	90mm
Barrel travel	100mm	100mm
Barrel diameter		ø32mm
Taper of center		M.T.3
Motor power		1.1KW
Coolant power		0.04KW
Machine (LxWxH)	1420x750x760mm	1780x750x760mm
Stand (LxWxH)		400x370x700mm
Stand (LxWxH)		300x370x700mm
Main machine (N.W/G.W)	365/415KG	385/435KG
Machine stand (N.W/G.W)	60/65KG	60/65KG
Loading quantity/20" container	27pcs	24pcs



Optional
Standard accessories
3-jaw chuck Dead center
Chip tray Toolbox&tools
Splash guard

PICOTURN -gamma

VARIABLE SPEED BENCH LATHE

Code MEKHAN:	ETP500580-590
Swing over bed	320mm
Distance between center	600/750mm
Swing over cross slide	200mm
Spindle bore	38mm
Spindle taper	MT5
Max. travel of cross slide	160mm
Max. travel of top slide	100mm
Metric threads range	22kinds 0.2- 7mm
Module threads range	21kinds 0.2- 3.5mm
Diametral threads range	31 kinds 8-120 1/n"
Longitudinal feeds range	0.1 1.4mm/r
Cross feeds range	0.045-0.60mm/r
Tailstock quill travel	80mm
Tailstock taper	MT3
Spindle speed step/range	12/60-1600 r.p.m
Motor	750V
Overall dimension	1370x685x1360mm



Packing size 1470x770x650mm
G/N Weight 345/320kg
Standard attachment
160mm 3-jaw chuck V-belt Dead centers Chuck wrench
Open end wrench MN gears Work lamp Allen key

BENCH LATHE PICOTURN -delta

VARIABLE SPEED BENCH LATHE

Code MEKHAN:	ETP500600
Swing over bed	320mm
Swing over cross slide	200mm
Distance between centers	900mm
Width of bed	180mm
Hole through spindle	38mm
Taper in spindle nose	MT5
Number of spindle speeds	6
Range of spindle speeds	125-2000rpm
Metric threads range	18kinds 0.2-3.5mm
Inch threads range	21kinds 8-56T.P.I
Cross feeds range	0.017-0.25mm/r
Longitudinal feeds range	0.07-0.52mm/r
Tool post type	4-Way
Top slide travel	85mm
Cross slide travel	165mm
Tailstock quill travel	80mm
Taper in tailstock spindle	MT3
Main Motor	1.5KW
Packing size	1650x750x700mm
Weight	260kg



Standard attachment

Splash guard Oil tray Thread chasing dial 3 jaw chuck
Follow rest Steady rest Lamp Toolbox and tools
4 jaw chuck

PICOTURN -epsilon

VARIABLE SPEED BENCH LATHE

Code MEKHAN:	ETP500610
Distance between centers	700mm
Swing over bed	300mm
Swing over cross slide	180mm
Width of bed	182mm
Taper of spindle bore	MT5
Spindle bore	38mm
Number of spindle speed	Variable speed
Range of spindle speed	80-2000r/min
Range of cross feed	0.01 0.10mm/rev
Range of longitudinal feed	0.085~0.832mm/rev
Range of imperial thread	8~56 T.P.I.
Range of metric thread	0.2~3.5mm
Top slide travel	70mm
Cross slide travel	190mm
Tailstock quill travel	70mm
Taper of tailstock quill	MT3
Main Motor	1.5KW
Packing size	1500x750x700mm
Net weight	280kg



Standard attachment

3-jaw chuck Dead center Splash guard
Chip tray Toolbox&tools



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BENCH LATHE PICOTURN -zeta

VARIABLE SPEED BENCH LATHE

Code MEKHAN:	ETP500620
Distance between centers	700mm
Swing over bed	290mm
Swing over cross slide	180mm
Width of bed	182mm
Taper of spindle bore	MT5
Spindle bore	38mm
Number of spindle speed	Variable speed
Range of spindle speed	50-1800r/min
Range of cross feed	0.01~0.10mm/rev
Range of longitudinal feed	0.085~0.832mm/rev
Range of Imperial thread	8~56T.P.I.
Range of metric thread	0.2~3.5mm
Top slide travel	65mm
Cross slide travel	150mm
Taper of tailstock quill	MT3
Main Motor	1.5KW
Packing size	1450x700x680mm
Net weight	260kg

Standard attachment

3-jaw chuck	Dead center	Splash guard
Chip tray	Toolbox&tools	



BENCH LATHE PICOTURN - theta

VARIABLE SPEED IS AVAILABLE

Code MEKHAN:	ETP500640 - 50 - 60
Distance between centers	550/610/815mm
Swing over bed	260/280mm
Bed width	150mm
Swing over slide	140 mm
Spindle bore	26mm
Spindle taper	MT4
Max. travel of cross slide	130mm
Max. travel of top slide	65mm
Max. travel of tailstock quill	60mm
Taper of tailstock quill	MT3
Step of spindle speed	12
Range of spindle speed	80~1600/40~2000r/min
Motor	750W
Packing size (LxWxH)	1200x650x600mm
N.W./G.W	140/160kg

Features

1. With extended wider bed 150mm, the machine is more stable.
2. With induction hardened bedway, it is more wear-resistant.
3. The spindle are all gear driven, with up to 12 speeds sequential gearbox. It's convenient to change speeds
4. big spindle MT4



PICOTURN -eta

VARIABLE SPEED IS AVAILABLE

Code MEKHAN:	ETP500630
Swing over bed	280mm
Distance between center	500/750mm
Swing over cross slide	165mm
Spindle bore	38mm
Spindle taper	MT5
Max. travel of cross slide	160mm
Max. travel of top slide	75mm
Metric threads range	18kinds 0.20-3.5mm
Inch threads range	34 kinds 41/2~48 1/11"
Module pitches range	16 kinds 0.2-1.75MP
Diametrical pitches range	24 kinds 16-120P/DP"
Longitudinal feeds range	0.05-0.035mm/r
Cross feeds range	0.025-0.18mm/r
Tailstock quill travel	60mm
Tailstock Taper	MT3
Spindle speed step/range	8/90-1800rpm



Motor	750W
Overall dimension	1200/1450x850x1200mm
Packing size	1250/1500x700x1300mm
N.W./G.W	240/300kg 360/320kg

Standard accessories

160mm 3 jaw chuck	A type bolt
Dead center	Wrench
Gears	Toolbox

PICOTURN -iota

VARIABLE SPEED IS AVAILABLE

Code MEKHAN:	ETP500670
Swing over bed	250mm
Distance between center	500mm
Swing over cross slide	100mm
Spindle bore	26mm
Spindle taper	MT4
Max. travel of cross slide	130mm
Max. travel of top slide	60mm
Metric threads range	15kinds 0.25-2.5mm
Longitudinal feeds ranges	0.03-0.375mm/r
Cross feeds range	0.015-0.18mm
Tailstock quill travel	60mm
Tailstock taper	MT3
Spindle step/speed	12/80-1600 r.p.m
Motor	750W
Overall Dimension	1130x550x405mm
Packing Size	1200x620x600mm
N/G. Weight	180/163kgs



Standard accessories

125mm 3-jaw chuck	V-belt
Dead center Tools wrench	Allen Key
Open end wrench Splash guard	Splash guard



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BENCH LATHE PICOTURN -kappa

**VARIABLE SPEED
BENCH LATHE**

Code MEKHAN:

Distance between centers
Swing over bed
Swing over cross slide
Width of bed
Taper of spindle bore
Spindle bore
Number of spindle speed
Range of spindle speed
Range of longitudinal feed
Range of Imperial thread
Range of metric thread
Top slide travel
Cross slide travel
Tailstock quill travel
Taper of tailstock quill
Main Motor
Packing size
Net weight

ETP500680-90

550/750mm
250mm
150mm
135mm
MT4
26mm
0/ variable speed
125-2000/50-2500r/min
0.07~0.20mm/rev
8~56 T.P.I
0.2~3.5mm
60mm
130mm
60mm
MT2
750W
1250/1450x560x570mm
120/140kg



Standard attachment

3-jaw chuck
Chip tray
Dead center
Toolbox&tools
Splash guard

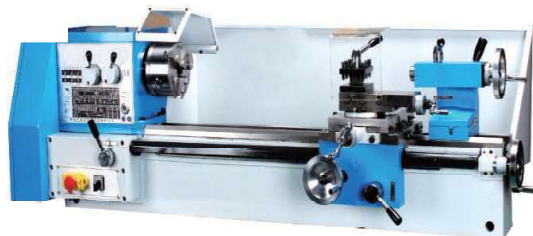
PICOTURN -lambda

**VARIABLE SPEED
BENCH LATHE**

Code MEKHAN:

ETP500700 - 710

Max.distance between two centers
Max.Swing over bed
Max.Swing over carriage
Taper of spindle nose
Spindle speed range (6steps)
Metric thread cutting
Inch thread cutting
Range of longitudinal feeds
Max.travel of tool post
Taper of tailstock sleeve
Motor
Overall dimension
Net weight



Standard attachment

3-jaw chuck
Chip tray
Dead center
Toolbox&tools
Splash guard

BENCH LATHE PICOTURN -mi

**VARIABLE SPEED
BENCH LATHE**

Code MEKHAN:

Distance between centers
Swing over bed
Swing over cross slide
Spindle taper
Tailstock taper
Chuck diameter
Spindle bore
Number of steps of spindle speeds
Range of spindle speeds
Metric threads
Imperial threads
Range of longitudinal feeds
Motor
Overall dimension
Net weight

ETP500720

500mm
200mm
115mm
MT3
MT2
80mm
20mm
6
140-1710rpm
0.4-3mm (11 kinds)
8-28 TPI (11 kinds)
0.05 0.15mm/rev
550W
1050x580x550mm
105kg



Standard attachment

3-jaw chuck
Chip tray
Dead center
Toolbox&tools
Splash guard

PICOTURN -ni

**VARIABLE SPEED
BENCH LATHE**

Code MEKHAN:

Swing over bed
Swing over cross slide
Distance between centers
Width of bed
Spindle bore
Taper of spindle bore
Step
Range of spindle speeds (steps)
Step of metric thread
Range of metric threads
Step of inch thread
Range of inch threads
Range of Longitudinal Feed
Tool Post
Top slide travel
Cross slide travel
Max. carriage travel
Tailstock quill travel
Taper of tailstock quill
Motor
Brushless Motor
Weight
Machine size
Package size

ETP500730

210mm
110mm
400mm
100mm
21mm
MT3
Variable speed
50-2500rpm
10
0.5-0.3mm
8
0-44T.P.I
0.1-0.20mm
4-Way
55mm
75mm
276mm
60mm
MT2
450W/600W 230V/1PH/50Hz
550W 230V/1PH/50Hz
70Kgs
840x390x370mm
900x480x450mm



Standard attachment

3-jaw chuck
Chip tray
Dead center
Toolbox&tools
Splash guard

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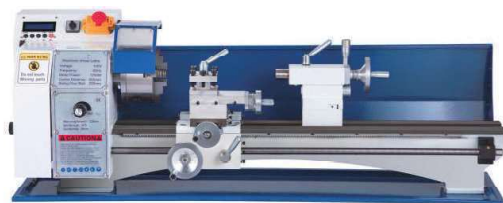
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BENCH LATHE PICOTURN



PICOTURN

Code MEKHAN:

Swing over bed
Motor type
Motor power
Spindle bore
Distance between centers
Chuck diameter
Taper of spindle
Taper of tailstock
Spindle speed
Spindle accuracy
Gear material
Inch thread
Metric thread
Machine dimension
Packing size
N.G weight

-xi

ETP500740

220mm
Brushless
1000W
38mm
450mm
125mm
MT5
MT2
2500RPM
0.01mm
Metal
10-44T.P1
0.5-3mm
1020*490*510mm
65/72kg

-omicon

ETP500750

220mm
Brushless
1100W
38mm
600mm
125mm
MT5
MT2
U-125U/U-250URPM
0.01mm
Metal
10-44T.P1
0.5-3mm
1020*345*430mm
1120*490*510mm
72/80kg

PICOTURN -pi

VARIABLE SPEED BENCH LATHE

Code MEKHAN:

TP500760 - 70 - 80

Distance between centers 200/300/350 mm
Swing over bed 180 mm
Swing over cross slide 110 mm
Spindle taper MT3
Tailstock taper MT2
Chuck diameter 80 mm
Spindle bore 20 mm
Cross slide travel 65 mm
Tool slide travel 35 mm
Range of metric threads 0.5-2.5 mm
Range of imperial threads 12-52 TPI
Spindle accuracy 0.01 mm
Spindle speed 50-2500/100-2500 RPM
Power of motor 400W/550W
Voltage/Frequency 230V/50Hz or 120V/60Hz
Net weight 35Kg/38Kg/40Kg
Gross weight 38Kg/42Kg/45Kg
Packing size 660/760/810*310*320mm



Features

- Safety Switch
- Variable speed
- Four position turret post
- Complete set of changing gear
- High accurate

Standard attachment

3-jaw chuck
Dead center
Chip tray
Toolbox&tools
Splash guard

OPTIONAL ACCESSORIES FOR LATHES



Quick change cutter rest



4-Jaw chuck



Face plate



DRCO kit



cutter 5 pcs set



Headstock center



Tailstock chuck



Drill chuck + Drill arbor



Rolling center



Follow rest



Steady rest



Tin coated cutter 9 pcs set



Cutter 9 pcs set



Sorow guard



Cooling



Work light



Taper modeling



stand



stand



3-axis DRCO



2-axis DRCO



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MULTI-PURPOSE MACHINE

COMBI -alpha

MULTI -PURPOSE MACHINE

Specifications

Code MEKHAN:	COM500790
Swing over bed	140 mm
Distance between centers	250 mm
Hole through spindle	10 mm
Spindle taper	MT1
Tailstock taper	MT1
Spindle speed	100-2000 rpm ±10%
Cross slide travel	50 mm
Range of threads Metric 0.5-1.25 mm (5 thread pitches)	
or Imperial 16-24 TPI (5 thread pitches)	

Drilling and milling

Max. drilling/milling capacity	10 mm
Travel of drilling/milling spindle	30 mm
Drilling/milling	
Spindle speed Low Range	100-1000 ±10% rpm
High Range	100-2000 ±10% rpm
T-slot	8 mm
Motor output power	150 W
Overall dimension (LxWxH)	620x330x570 mm
Net/Gross weight	45/61 kg
Packing size (LxWxH)	690x430x615 mm
Loading	160 pcs/20'

Standard attachment

Ø80 mm Three chuck Ø10 mm Drill chuck Wrench set
Oil can



COMBI - beta

Code MEKHAN:

COM500800

Swing over bed	300mm
Swing over cross slide	170mm
Distance between centers	500mm
Taper of spindle bore	M14
Spindle bore	26mm
Spindle speed	160- 1600rpm
Metric threading	0.5-3mm
Inch threading	40- 11TPI
Worktable size	150x425mm
Travel of cross slide	200mm
Travel of compound slide	80mm
Tailstock quill travel	40mm
Taper of tailstock quill	MT3
Motor for lathe	550W
Drilling capacity	20mm
End milling capacity	25mm
Face milling capacity	63mm
Spindle speed	315-2000rpm
Spindle taper	MT3
Spindle travel	80mm
Spindle nose to table	320mm
Mill-drill head swivels	360°
Motor for drill/mill	550W
Net weight	230kg
Packing Size	1170x580x980mm



MULTI-PURPOSE MACHINE

COMBI -gamma

Code MEKHAN:

COM500810

Cutting (Lathe)

Swing over bed	210 mm
Distance between centers	410 mm
Spindle bore	20 mm
Spindle taper	MT#3
Tailstock taper	MT#2
Spindle speed	100-2000rpm ±10%
Compound travel	70 mm
Cross slide travel	100 mm
Motor output power	1000W
Thread range Metric 0.25-3.0 mm (17 threads pitches)	
or Inch 8-24 TPI (10 threads pitches)	
Packing Size (LxWxH)	1070x710x530 mm
Weight (Net/Gross)	94/125 kg

Drilling & Milling

Drilling capacity	10 mm
End milling capacity	10 mm
Face milling capacity	20 mm
Spindle taper	MT#2
Spindle speed Low range	100-1000 rpm ±10%
High range	100-2000 rpm ±10%
Headstock travel	230 mm
Head tilt	45°L, 45°R
Motor	150 W
Packing Size (LxWxH)	480x400x630 mm
Weight (Net/Gross)	40/50 kg
Loading	60 pcs/20'

Feature

Brushless motor Touch switch Quick lock tailstock
Spindle speed read out Cut metric and Inch screw
Cross and longitudinal auto feed



Standard attachment

Ø100mm 3-jaw Chuck Dead center Oil can
Change gear set Wrench set

COMBI -delta

MULTI -PURPOSE MACHINE

Code MEKHAN:

COM500820 - COM500830

Lathe machine

Bed width	135 mm
Max. swing over bed	250 mm
Max. swing over cross slide	140 mm
Distance between centers	550/750 mm
Spindle speed(variable)	100-2000rpm.
Spindle bore	21 mm
Spindle taper	MT3
Tailstock taper	MT2
Max. travel of tailstock quill	65 mm
Range of metric threads	18@0.5-2.5 mm
Range of inch threads	27@8-56TPI
Range of longitudinal feeds	0.05-0.5 mm
Max. travel of saddle	460 mm
Range of transverse feeds	0.02-0.22 mm
Max. travel of cross slide	100 mm
Max. travel of top slide	60 mm
Max. tool dimension	14x14 mm
Power of motor	750 W

Milling & drilling machine

Max. drilling capacity	16 mm
Max. end milling capacity	16 mm
Max. face milling capacity	50 mm
Table size	250x110 mm
T-slot size	2-7 mm
Longitudinal travel	460 mm
Vertical travel	210 mm
Taper of spindle bore	MT2
Sleeve travel	50 mm
Max. distance from spindle end to table	240 mm
Range of spindle speeds	50-2250 rpm

Head rotation	±45°
Power of motor	500 W
Net weight	185 kg
Shipping weight	205 kg
Grate size(LxWxH)	1400x680x1000 mm

Standard accessories

3-jaw chuck
4-way tool post
MT1# dead center
MT3# dead center
Cutting depth readout
Draw bar
Tool kits & tools
Drill chuck with arbor:3-16 mm



Optional Stand



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MULTI-PURPOSE MACHINE

COMBI -epsilon

MULTI-PURPOSE MACHINE

Code MEKHAN:	COM500840 - COM500850
Swing over bed	420 mm
Distance between centers	500/800 mm
Max. longitudinal travel	440/740 mm
Max. cross travel	200 mm
Taper of spindle	M.T.4
Spindle hole	Ø28 mm
Step/Range of speed	7/160-1360 rpm
Barrel travel	70 mm
Taper of center	M.T.3
Metric/Inch thread range	0.2-6 mm/4-120 T.P.I.
Longitudinal range of automatic feeding	0.05-0.35 mm
Cross range of automatic feeding	0.05-0.35 mm
Drilling capacity	Ø22 mm
Table size (LxW)	475x160 mm ²
End/Face mill capacity	Ø28/Ø80 mm
Max. distance between spindle center and column	285 mm
Max. distance between spindle nose and table	306 mm
Spindle travel	110 mm
Spindle taper	M.T.3
Steps/range of spindle speed	16/120-3000 rpm
Swivel angle of headstock	±180°
Main motor power/Drill and mill main motor	0.55/0.55 KW
Packing size	1130/1430x580x1100 mm
Weight (Net/Gross)	245/280(275/325) kg
Loading amount	40 pcs/26 pcs/20 container



Optional Stand

COMBI -zeta

MULTI-PURPOSE MACHINE

Code MEKHAN: COM500860 - COM500870

Cutting

Max. swing over bed	Ø300 mm
Max. swing over cross slide	Ø180 mm
Max. swing over gap	430 mm
Distance between centers	910/1000 mm
Spindle bore	Ø38 mm
Taper of spindle bore	MT#5
Range of spindle speed	65-1400rpm (or 65-1810 rpm)
Stations of tool carrier	4
Range of longitudinal feeds	0.079-1.291 mm/rev
Range of cross feeds	0.017-0.276 mm/rev
Range of metric threads	0.4-7 mm
Range of inch threads	4-60 TPI
Max. travel of tailstock quill	100 mm
Taper of tailstock bore	MT#3
Motor power	1.1/1.5 KW
Unitary packing of lathe	1680/1850x750x1400 mm
Asunder packing of lathe	1680/1850x750x740 mm
	700x460x380/300 mm

Drilling and milling

Max. drilling capacity	25 mm
Distance from bench to spindle nose	232 mm
Spindle speed steps	Variable speed
Spindle speed scope	Low: 100-1000 r/min
	High: 100-1000 r/min
Size of worktable	340x120 mm
Taper of milling spindle bore	MT#3
Max. travel of spindle quill	80 mm
Max. end milling capacity	25 mm
Max. face milling capacity	50 mm
Headstock stroke (Z)	230 mm
Motor	600 W
Net weight	130 kg
Asunder packing of mill head	1000x800x740 mm
Unitary packing of mill combo	1680/1940x850x1850 mm



Packing Size (LxWxH)	Model 910	1680x750x1400 mm
	Model 1000	1910x750x1400 mm
Weight (Net/Gross)	Model 910	520/560 kg
	Model 1000	580/630 kg

Standard accessories	
3-jaw Chuck (Ø160mm)	MT#3 dead centers
Taper lever of drill chuck	Tool box with tools
Foot stands	Splash guard
	Change gears
	Oil gun
	MT5/3 sleeve
	Oil tray
	Tapered drift
	Drill chuck

MULTI-PURPOSE MACHINE

COMBI - eta

MULTI-PURPOSE MACHINE

Code MEKHAN: COM500880

Cutting (Lathe)

Distance between centers	700mm
Swing over bed	300mm
Swing over cross slide	180mm
Width of bed	162mm
Taper of spindle bore	MT5
Spindle bore	38mm
Range of spindle speed	80-2000r/min
Taper of tailstock quill	MT3
Range of metric thread	0.2-3.5mm
Range of imperial thread	8-56 T.P.I.
Main Motor	1.5KW

Milling and drilling

Drilling capacity	20mm
Face milling capacity	63mm
End milling capacity	20mm
Spindle taper	MT2/R8
Sleeve travel	50mm
Spindle speed	50-2250rpm
Distance spindle to table	380mm
Spindle manual travel	190mm
Motor	750W
Packing size	1450X770X1050mm
Net weight	315Kg

Standard accessories
3 jaw chuck Drill chuck Dead center
Splash guard Oil can Wrench set Toolbox & tools



COMBI -theta

Code MEKHAN:

COM500890 - COM500900

Swing dia. over bed	330mm
Swing dia. over table	100mm
Distance between centers	610mm/1000mm
Spindle bore	28mm
Spindle speed	50 ~ 3000r/min
Longitudinal stroke	510mm/890mm
Cross stroke	185mm
Small toolpost stroke	70mm
Metric pitch/grade	0.35~6.5mm/24
Inch pitch/grade	7~52T.P.I./21
Longitudinal feed/grade	0.067~0.5mm/r/21
Cross feed/grade	0.021~0.157mm/r/21
Milling-drilling spindle taper	MT3
Milling-drilling shaft stroke	127mm
Milling-drilling box stroke	110mm
Table size	450x170mm
Drilling dia.	24mm
Power of motor	1.1kw
Case dimensions of machine	1260x570x1110mm/1640x570x1110mm
Case dimensions of stand	1540x560x550mm



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MILLING MACHINE PICOMILLv -alpha

VARIABLE SPEED MILL

Code MEKHAN:	TF600010
Drilling capacity	10 mm
End milling capacity	10 mm
Face milling capacity	16 mm
Headstock travel (Z)	195 mm
Cross axis (Y)	105 mm
Longitudinal axis (X)	200 mm
Throat	140 mm
Head tilt	45°L, 45°R
Max. distance spindle to table	265 mm
Spindle taper	MT2
Motor output power	150 W
Spindle speed	Low range 0-1000 rpm High range 0-2000 rpm
Table effective size	240x145mm/400x145 mm
T-slot size	8 mm
Overall dimension (LxVxH)	480x380x110 mm
Weight (Net/Gross)	44/53 kg
Packing size (LxWxH)	380x480x630 mm



PICOMILLv -beta

VARIABLE SPEED MILL

Code MEKHAN:	TF600020
Drilling capacity	13 mm
End milling capacity	16 mm
Face milling capacity	30 mm
Headstock travel (Z)	180 mm
Cross axis (Y)	100 mm
Longitudinal axis (X)	220 mm
Throat	167 mm
Max. distance spindle to table	280 mm
Head tilt	45°L, 45°R
Spindle taper	MT3 or R8
Motor output power	350 W
Spindle speed	Low range 100-1100 rpm±10% High range 100-2500 rpm±10%
Table effective size	390x92/460x120/400x145 mm
T-slot size	12 mm
Overall dimension (LxWxH)	520x500x700 mm
Weight (Net/Gross)	50/68 kg
Packing size (LxWxH)	550x550x730 mm
Loading	132 pcs/20



**Optional Large Worktable
Available**

MILLING MACHINE PICOMILLv -gamma

VARIABLE SPEED MILL

Code MEKHAN:	TF600030
Drilling capacity	16mm
Max. face mill capacity	30mm
Max. end mill capacity	13mm
Spindle stroke	180mm
Longitudinal travel	250/300mm
Cross travel	100/130mm
Spindle rotary angle	-45°~+45°
Working table size	410/460x112mm
Motor power	550W
Max. distance spindle to table	220mm
Spindle taper	MT3
Spindle speed	50-2500RPM
Net weight	62kg
Gross weight	80kg
Packing size	570x510x740/640x565x720mm



PICOMILLv -delta

Code MEKHAN:	TF600040
Max. drilling dia.	50mm
Max. horizontal milling dia.	100mm
Max. vertical milling dia.	25mm
Max. boring dia.	120mm
Max. tapping dia.	M16
Max. distance from spindle nose to worktable	0-420mm
Spindle taper	MT4, ISO30
Spindle speeds range	(8step) 115-1750rpm
Spindle travel	120mm
Table size	800x240mm
Table travel	400x230x380mm
Main motor power	0.85/1.5kw
N.W./G.W.	500/600kg



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MILLING MACHINE

PICOMILLv -epsilon

VARIABLE SPEED MILL

Code MEKHAN:	TF600050
Max. drilling capacity	16 mm
Max. end milling capacity	16 mm
Max. face milling capacity	50 mm
Table size	400x120 mm
T-slot size	10 mm
Longitudinal travel	220 mm
Cross travel	160 mm
Vertical travel	210 mm
Taper of spindle bore	MT2
Spindle stroke	50 mm
Range of spindle speeds	50-2250 rpm
Head tilt left & right	±90°
Power of motor	500 W
Packing size	500x450x760 mm
N.W./G.W	70/90 kg



PICOMILLv -zeta

VARIABLE SPEED MILL

Code MEKHAN:	TF600060
Drilling capacity	20 mm
Face milling capacity	63 mm
End milling capacity	20 mm
Spindle taper	MT2
Sleeve travel	50 mm
Spindle speed	50-2250 rpm
Head rotation	±90°
Table size	500x180/700x180 mm
X-axis travel	280/480 mm
Y-axis travel	175 mm
Z-axis travel	380 mm
T-slot	12 mm
Motor	750 W
Packing size	670/870x550x860 mm
Net weight	110/122 kg
Gross weight	135/147 kg



PICOMILLv -eta

VARIABLE SPEED MILL

Code MEKHAN:	TF600070
Drilling capacity	25 mm
Face milling capacity	63 mm
End milling capacity	20 mm
Spindle taper	MT3/R8
Sleeve travel	50 mm
Spindle speed	50-2250 rpm
Head rotation	±90°
Table size	500x180/700x180 mm
X-axis travel	280/480 mm
Y-axis travel	175 mm
Z-axis travel	380 mm
T-slot	12 mm
Motor	750 W
Packing size	670/870x550x860 mm
Net weight	113/125 kg
Gross weight	138/150 kg

Brushless Motor
Available



MILLING MACHINE

PICOMILLv -theta

VARIABLE SPEED MILL

Code MEKHAN:	TF600080
Drilling capacity	32 mm
Face milling capacity	80 mm
End milling capacity	25 mm
Spindle taper	MT3 or R8
Sleeve	70 mm
Spindle speed	50-2250 rpm
Head rotation	±90°
Table size	700x210/840x210 mm
X-axis travel	425/625 mm
Y-axis travel	220 mm
Z-axis travel	370 mm
T-slot	14 mm
Motor	1100 W
Packing size	710/850x890x1150 mm
Net weight	220/240 kg



PICOMILL -alpha

Universal milling machine

Code MEKHAN:	TF600090
End mill capacity	10 mm
Face mill capacity	30 mm
Table longitudinal travel(X)	300 mm
Table cross travel(Y)	90 mm
Spindle box travel(Z)	205 mm
Longitudinal milling tilting angle	45°L, 45°R
Spindle taper	MT3 or R8
Max. distance spindle to table	265mm
Motor output power	350 W
Brushless motor	500 W
Spindle speed (variable speed)	0-2000 rpm
Spindle speed (brushless motor)	0-2500 rpm
Max. sawing cutter diameter	Ø63
Table effective size	460x120 mm
T-slot size	12 mm
Overall dimension (LxWxH)	590x870x800 mm
Packing size (LxWxH)	880x870x810 mm
Weight (Net/Gross)	105/125 kg



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MILLING MACHINE

PICOMILL



-beta



-gamma



-delta

PICOMILL	-beta	-gamma	-delta
Code MEKHAN:	TF600100	TF600110	TF600120
Max.drilling capacity	16mm	20mm	25mm
Width of face milling	50mm	50mm	63mm
Diameter of vertical milling	12mm	12mm	13mm
Spindle travel	115mm	115mm	90mm
Distance spindle axis to column surface	240mm	240mm	202mm
Max. distance spindle nose to worktable	440mm	440mm	300mm
Spindle taper:	MT.2	MT.2	MT.3
Spindle speed range:	235~2050RPM	185~2400RPM	100~2150RPM
Spindle speeds:	5	12	12
Table Size:	585x195mm	585x195mm	585x195mm
Travel of worktable:	330x175mm	330x175mm	330x145mm
Overall height:	1040mm	1040mm	930mm
Headstock travel:	350mm	350mm	300mm
Motor:	550W	750W	750W
G.W./N.W.:	200/160KG	200/160KG	260/220KG
Packing Size:	730x920x1050mm	730x920x1050mm	760x850x1050mm

MILLING MACHINE

PICOMILL



- epsilon



- zeta



- eta

-epsilon	-zeta	-eta
TF600130	TF600140	TF600150
32mm	40mm	45mm
80mm	80mm	80mm
22mm	28mm	28mm
130mm	120mm	120mm
202mm	280mm	280mm
450mm	450mm	475mm
MT.3 or R8	MT.3 or R8	MT.4
100~2150RPM	95~1600RPM	95~1600RPM
12	6	6
730x210mm	730x210mm	820x240mm
500x175mm	500x175mm	550x200mm
1100mm	1110mm	1040mm
315mm	350mm	410mm
1500W	750W	750W
330/286KG	340/276KG	340/270KG
845x745x1150mm	870x770x1130mm	870x770x1130mm



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MILLING MACHINE

PICOMILL

GEAR HEAD MILLING & DRILLING MACHINE



SP2207 Features

- Gear-driven and square column
- Milling, drilling, tapping, boring and reaming
- Head swivels $\pm 90^\circ$ Vertically
- Micro feed precision
- Adjustable gibs on table precision.
- Strong rigidity, powerful cutting and precisely positioning

SP2208 Features

- Cyclical spindle speed changing
- Spindle auto-feed
- Cyclical spindle feed rate changing
- Tapping function

Figure: PICOMILL -theta (code TF600160)

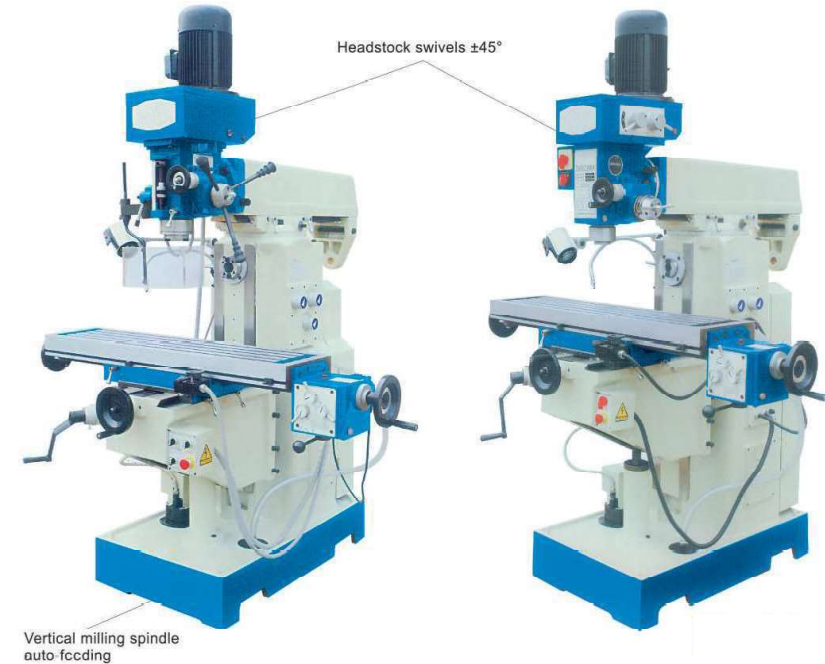
Figure: PICOMILL -iota, -kappa, -lambda, -mi -ni, -xi

PICOMILL	-theta	-iota / -kappa	-lambda / -mi	-ni / -xi
Code MEKHAN:	TF600160	TF600170 / TF600180	TF600190 / TF600200	TF600210 / TF600220
Drilling capacity	25 mm	32 mm	40 mm	45 mm
Face milling capacity	63 mm	63 mm	80 mm	80 mm
End milling capacity	20 mm	20 mm	32 mm	32 mm
Distance from spindle nose to table	445 mm	450 mm	450 mm	450 mm
Min. distance from spindle axis to column	203 mm	260 mm	260 mm	260 mm
Spindle travel	80 mm	130 mm	130 mm	130 mm
Spindle taper	MT3 or R8	MT3 or R8	MT4 or R8	MT4 or R8
Step of spindle speed	6	6	6	6
Range of spindle speed 50Hz	95-1420 r.p.m	80-1250 r.p.m	80-1250 r.p.m	80-1250 r.p.m
60Hz	115-1700 r.p.m	95-1500 r.p.m	95-1500 r.p.m	95-1500 r.p.m
Swivel angle of headstock (vertically)	90°	90°	90°	90°
Table size	520x160 mm	800x240 (optional 1000x240mm)		
Forward and backward travel of table	140 mm	175 mm	175 mm	175 mm
Left and right travel of table	290 mm	500 mm	500 mm	500 mm
"Motor Power"	0.37 KW	0.75 KW(1HP)	1.1 KW(1.5HP)	1.5 KW(2HP)
Net weight/Gross weight	180 kg/240 kg	320 kg/370 kg	320 kg/370 kg	323 kg/373 kg
Packing size	680x750x1000 mm	770x880x1160 mm	770x880x1160 mm	770x880x1160 mm
Loading amount	48 pcs	36 pcs	36 pcs	36 pcs

MILLING MACHINE

MILL -alpha

MILL -beta



MILL

Code MEKHAN:

	-alpha	-beta
Code MEKHAN:	TF600230	TF600240
Max. drilling dia.	50,30 mm	50,30 mm
Spindle taper	MT4,R8,ISO30,ISO40 mm	MT4,R8,ISO30,ISO40 mm
Max. vertical milling dia.	25 mm	25 mm
Max. boring dia.	120 mm	120 mm
Distance. spindle to table surface	140-490 mm	100-480 mm
Spindle speed range (Vertical/Horizontal)	90-2000/38-1310 r.p.m	115-1750/40-1300 r.p.m
Spindle travel	120 mm	120 mm
Table size	1120x280 mm	1120x280 mm
Table travel	600x260 mm	600x260 mm
Packing size	1400x1600x2220 mm	1400x1630x2350 mm
Main motor power (vertical/Horizontal)	2.2; 2.2 kw	0.85/1.5; 2.2 kw
N.W./C.W.	1200/1350 kg	1200/1350 kg



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MILLING MACHINE

MILL -gamma



Figure: Head of MILL -gamma (code TF600250)

MILL -delta



Figure: MILL -delta (code TF600260)

MILL	-gamma	-delta
Code MEKHAN:	TF600250	TF600260
Max.drilling dia.	50(2") mm	50(2") mm
Max.horizontal milling dia.	100 mm	100 mm
Max.vertical milling dia.	25 mm	25 mm
Max. boring dia.	120 mm	120 mm
Max.tapping dia.	M16	M16
Spindle taper	ISO30.R8.MT4	ISO30.R8.MT4
Spindle speed range(Vertical/Horizontal)	V:230-1825(8) H:60-1350(8)	V:115-1750(8) H:60-1350(8)
Spindle travel	120 mm	120 mm
Table size	800X240 mm	800X240 mm
Table travel	400X230X350 mm	400X230X350 mm
Main motor power(vertical/Horizontal)	V:0.85/1.5 H:2.2kw	V:0.85/1.5 H:2.2kw
Packing size	1200X1300X2220 mm	1200X1300X2220 mm
N.W./G.W.	850/1000 kg	850/1000 kg

MILLING MACHINE

MILL -epsilon



Figure: Head of MILL -epsilon (code TF600270)

Rotary table and head

MILL -zeta



Figure: MILL -zeta (code TF600280)

MILL	-epsilon	-zeta
Code MEKHAN:	TF600270	TF600280
Max.drilling dia.	50 mm	50 mm
Max.horizontal milling dia.	100 mm	100 mm
Max.vertical milling dia.	32 mm	32 mm
Max. boring dia.	100 mm	100 mm
Spindle taper	M14.R8	M14.R8
Spindle speed range	270-2400 r/min	115-1750 r/min
Spindle travel	125 mm	125 mm
Table size	260x1000 mm	260x1000 mm
Table travel	450x280x380 mm	450x280x380 mm
Main motor power	1.5 kw	0.85/1.5 kw
Packing size	1250x1100x2000 mm	1250x1100x2000 mm
N.W./G.W.	700/760 kg	700/760 kg



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MILLING MACHINE

MILL -eta

TURRET MILLING MACHINE

Code MEKHAN:	TF600290
Spindle taper	ISO40(V) ISO40(H)
Diameter of quill	95mm
Distance from spindle to table	90-370mm
Distance from horizontal spindle to table	0-280mm
Distance from spindle to column	200-700mm
Spindle speeds (16 step) 80-5440 r.p.m(V) 40-1300 r.p.m(H)	
Spindle travel	127mm
Feeding of quill (3 step) 0.04 0.08 0.15	
Max.drilling capacity of auto-feeding	Ø10
Head movement	±45°
Table size	1270x280mm
Table travel(horizontal/Cross/Vertical)	800/350/400mm
Max.weight of workpiece	200kg
T-slot Number/width/distance	3/14mm / 60mm
Milling head moving (Vertical)	Dovetail rail
Cross slide way	Dovetail rail
Longitudinal slide way	Dovetail rail
Main motor	3HP(V) 2.2KW(H)
Overall dimension	1600x1450x2100mm
Packing size	1600x1550x2250mm
N.W. / G.W.	1250/1350kg



MILL -theta

TURRET MILLING MACHINE

Code MEKHAN:	TF600300
Table size	264x1270/306x1370
Longitudinal travel	850mm
Cross travel	400mm
Vertical travel	420mm
T-slot No. and size	3x16
Ram travel	470mm
Distance from spindle nose to table surface	0-420mm
(standard): R8	
Spindle hole taper	(optional): ISO30/ISO40
Spindle travel	127mm
(standard) 16 steps 50HZ: 80-5440	
(optional) stepless 65-4200	
Spindle speed (three steps): 0.04(0.0015")/0.08(0.003")	
Auto.quill feed	0.15(0.006")mm/revolution
Main motor	2.25KW or 3.75KW
Swivel	90°
Head tilting	45°
Dimension of package	1616/1766X1550X2080mm
Net weight	1420/1650 kg
Gross weight	1380/1590 kg



MILLING MACHINE

MILL -iota

UNIVERSAL MILLING MACHINE

Code MEKHAN:	FU600310
Head movement	±360°
Spindle speeds (11 step) 35-1600 r.p.m	
Table size	1120x260mm
Table travel(horizontal/ cross/ vertical)	600/270/400mm
Feeding range of longitudinal.cross travel	22-555mm/min
X,Y-axis rapid feed speed	1080mm/min
Z-axis rapid feed speed	590mm/min
Z-axis motor power	750W
Max.weight of workpiece	200kg
T-slot Number/width/distance	3/14mm / 60mm
Milling head moving (vertical)	55° Dovetail rail
Cross slide way	Dovetail rail
Longitudinal slide way	Dovetail rail
Main motor	2.2KW
X,Yaxis driving motor	750W
Overall dimension	1655x1500x1730mm
Packing size	1680x1600x2250mm
N.W./G.W.	1300/1400kg



MILL -kappa

UNIVERSAL MILLING MACHINE

Code MEKHAN:	TF600320
Spindle taper	ISO40
Distance from spindle to table	0-450mm
Spindle speeds (12 step) 40-1300 r.p.m	
Table size	1200x280mm
Table travel(horizontal/ cross/ vertical)	720/300/450mm
Feeding range of longitudinal.cross travel	22- 430mm/min
X-axis Rapid feed speed	430mm/min
Max.weight of workpiece	300kg
T-slot Number/width/distance	3/14mm / 70mm
Milling head moving (vertical)	Dovetail rail
Cross slide way	Dovetail rail
Longitudinal slide way	Dovetail rail
Main motor	1.6KW
X axis driving motor	370W
Overall dimension	1700x1500x2000mm
Packing size	1750x1650x2250mm
N.W./G.W.	1750/1900kg



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OPTIONAL ACCESSORIES FOR MILLING MACHINE



MOVABLE TOOL CABINET

TROLLEY -alpha

Code MEKHAN: ACC999010
Size 700*350* 670mm
Size with wheels 700*350* 760mm
Package size 710*370* 250mm
N.W/G.W 15/16.5kg
Wheels 3"



TROLLEY -beta



Code MEKHAN: ACC999020
Size 630*400* 720mm
Size with wheels 630*400* 820mm
Package size 650*420* 740mm
N.W/G.W 19/ 22kg
Wheels 3"



TROLLEY -gamma

Code MEKHAN: ACC999030
Size 960* 460*850mm
Size with wheels 960* 460*975mm
Package size 980*480*1015mm
N.W/G.W 53/55kg
Wheels 4"



TROLLEY -delta

Code MEKHAN: ACC999040
Size 960*460* 850mm
Size with wheels 960*460*97 5mm
Package size 980*480* 1015mm
N.W/G.W 57/ 60kg
Wheels 5"

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BAND SAW

METAL CUTTING BAND SAW

SAW -alpha

SAW -gamma

SAW -delta

SAW -beta

SAW -epsilon

SAW -zeta

SAW -eta

SAW	-alpha	-beta	-gamma	-delta
Code MEKHAN:	S700010	S700020	S700030	S700040
Motor power	550W (110V/230V single phase) (220V/400V three phase)	1100W (110V/230V single phase) (220V/400V three phase)	1100/1500W (230V 4pole single phase) (400V 2pole or 4pole three phase)	1100/1500W 220v/400v 4pole or 8pole three phase
Reduce gear rate			18:1 (1~ motor) 36:1 (3~ motor)	25:1
Saw blade size	1636x12,7x0.64mm	2360x20x0.9mm	2450x27x0.9mm	3160x27x0.9mm
Blade speed	20/29/50 m/min	22 / 33 / 45 / 65 m/min	75m/min (1~motor) 37.5 or 75 m/min (3~ motor)	34 or 68 m/min
Cutting capacity max	128mm round 100mm square 127x150mm rectangle	205mm round 205mm square 215x205mm rectangle	220mm round 200mm square 260x140mm rectangle	270mm round 260mm square 220x370mm rectangle
Cutting angle	0°/45°/60°/90°	0°/45°/90°	0°/30°/45°/60°	0°/15°/30°/45°/60°
Coolant pump			70W	25W
Packing size	650x445x255mm	770x520x320mm	1320x760x950mm	1770x765x1120mm
N.W./G.W.	152/190kgs	180/215kgs	218/290kgs	365 / 415kgs

Code MEKHAN:	S700050
Cutting capacity	●220mm ■400x100mm 45°/135mm
Saw blade size	27x0.9x3045mm
Blade speed	21/34/43/60m/min
Blade tension	manual
Blade cleaning	wire brush/flood coolant
Main motor	1.5kw
Coolant power	0.06kw
Workpiece clamping	manual
N.W./G.W.	380/420kgs
Packing size	1780x790x1180mm

Code MEKHAN:	S700060
Cutting capacity	●280mm ■300x220mm
Saw blade size	27x0.9x3505mm
Blade speed	25/35/45/60/80m/min
Blade tension	manual
Blade cleaning	wire brush/flood coolant
Main motor	2.2kw
Hydraulic motor	0.75kw
Coolant power	0.06kw
Workpiece clamping	hydraulic
N.W./G.W.	720/770kgs
Packing size	1850x1200x1350mm

Code MEKHAN:	S700070
Cutting capacity	●380mm ■400x250mm
Saw blade size	34x1.1x4115mm
Blade speed	20/40/60/75m/min
Blade tension	manual
Blade cleaning	wire brush/flood coolant
Main motor	3.0kw
Coolant power	0.06kw
Hydraulic motor	0.75kw
Workpiece clamping	hydraulic
N.W./G.W.	1000/1050kgs
Packing size	2070x1360x1485mm

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METAL CUTTING BAND SAW



SAW -iota

Code MEKHAN:	S700090
Cutting Capacity	•300/ ■350 x 300mm
Blade speed	45°-•260/ ■260 x 300mm
Blade Size	20-80m/min
Guides	34x1.1x4420mm
Cleaning	Carbide and bearing blade guides
Tension	Wire brush & flood coolant
Blade motor output	Manual
Hydraulic motor output	3kw
Coolant motor output	0.75kw
Multiple feed	0.06kw
Work vice	400mm x 9 times
Machine Weight	Hydraulic
Packing Size(LxWxH)	2190kg
	2250x2460x1920mm

Full automatic Band saw



SAW -kappa

Code MEKHAN:	S700100
Cutting capacity	Round 330mm
	Rectangle 330x 330mm
Saw blade	Speed 20- 80m/min inverter control
	Size 34x1.1x4115 mm
Guides	Carbide and bearing blade guides
Cleaning	Wire brush & flood coolant
Tension	Hydraulic
Motor	Blade 4KW
	Hydraulic 0.75KW
	Coolant 0.136KW
Multiple feed	500mm x 10 times
Work Vice	Hydraulic
Machine Size	2350x 2220x 1500mm
N/G Weight	2100/2200kg

METAL CUTTING BAND SAW



SAW -lambda

Code MEKHAN:	S700110
Cutting capacity	350 - 350 X 350mm
Blade speed	27. 45. 69 m/min
Blade size	4115 X 34 X 1.1mm
Main motor	3kw
Hydraulic motor	0.55kw
Coolant motor	40w
Workpiece clamping	Hydraulic vice
Main drive structure	Worm gear
Feeding type	Roller sliding
Overall size	1980 X 1110 X 1750mm
Packing size	2100 X 1160 X 1850mm
Weight	900KG



SAW -mi

Code MEKHAN:	S700120
Cutting capacity	400 -400 X 400mm
Blade speed	27. 45. 69 m/min
Blade size	5800 X 41 X 1.3mm
Main motor	4kw
Hydraulic motor	0.75kw
Coolant motor	90w
Workpiece clamping	Hydraulic vice
Main drive structure	Worm gear
Feeding type	Roller sliding
Overall size	2380 X 1200 X 1850mm
Packing size	2460 x 1270 X 2000mm
Weight	1400KG



SAW -ni

Code MEKHAN:	S700130
Cutting capacity	500 - 500 X 500mm
Blade speed	27. 45. 69 m/min
Blade size	5800 X 41 X 1.3mm
Main motor	5.5kw
Hydraulic motor	0.75kw
Coolant motor	90w
Workpiece clamping	Hydraulic vice
Main drive structure	Worm gear
Feeding type	Roller sliding
Overall size	2780 X 1300 X 2000mm
Packing size	2960 x 1470 X 2200mm
Weight	1800KG



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HACK SAW



aSAW -alpha

aSAW -beta ... -epsilon

- ★ It has different speeds and a wide cutting scope.
- ★ It has a high-efficiency arc-push saw which is one and a half times more efficient than that of normal sawing machines.
- ★ It has a new style V-shaped transmission belt which is very quiet(no louder than 74db)
- ★ Its main electrical components are installed inside,thus giving it an elegant outer appearance and rendering it extremely safe.
- ★ Automatic cutting process except gripping device and feeding mechanism.With Protective System.
- ★ Hydraulic transmission simple running Easy upkeep.

aSAW	-alpha	-beta	-gamma	-delta	-epsilon
Code MEKHAN:	SA700140	SA700150	SA700160	SA700170	SA700180
Model	SP7025B	SP7125	SP7132	SP7140	SP7150
Round bar	250	250mm	320mm	400mm	500mm
Square bar	220*220 mm	220*220 mm	290*290 mm	330*330 mm	400*400 mm
Oblique saw	45°	45°	45°	45°	45°
Sawing speed (time/min)	75;90;108	43;50;60;86;100;120	39;60;84	34;60;84	34;60;84
Blade size	450*40*2.5 mm	450*45*2.25 mm	600*50*2.5 mm	650*55*2.5 mm	750*63*2.5 mm
Main motor	2.24kw	3.22 kw	3.44kw	4.34 kw	4.34kw
N.W./G.W.	600kg	600 kg	1100 kg	1200 kg	1450kg

HYDRAULIC PRESS

PRESS



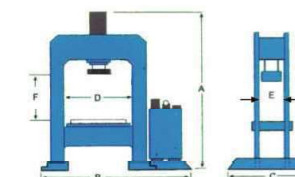
-100

-500 / -630

-200

-300

Model	A	B	C	D	E	F
SP- 20	1400	1100	450	500	140	490
SP-30	1460	1100	450	500	160	490
SP-50	1750	1300	550	800	200	540
SP-100	1950	1550	750	1000	270	540
SP-1 50	2250	1600	750	1000	270	790
SP-200	2250	2100	850	1000	300	790
SP- 300	2450	2450	1200	1200	350	600
SP-500	2790	2700	1300	1200	400	600



- ★ It has different speeds and a wide cutting scope.
- ★ It has a high-efficiency arc-push saw which is one and a half times more efficient than that of normal sawing machines.
- ★ It has a new style V-shaped transmission belt which is very quiet(no louder than 74db)
- ★ Its main electrical components are installed inside,thus giving it an elegant outer appearance and rendering it extremely safe.
- ★ Automatic cutting process except gripping device and feeding mechanism.With Protective System.
- ★ Hydraulic transmission simple running Easy upkeep.

TECHNICAL SPECIFICATION

PRESS	-100	-200	-300	-500	-630
Code MEKHAN:	P990010	P990020	P990030	P990040	P990050
CAPACITY (KN)	100	200	300	500	630
PRESSURE (MPa)	25	25	25	25	30
TRAVEL (mm)	200+200	200+250	200+270	220+405	220+405
TALE SIZE (mm)	260 X 300	260 X 300	300 X 400	480 X 360	400 X 500
DIMENSION (mm)	1000 X 450X 1200	1160X550X1500	1160X 550X 1600	1500X 650X 1950	1500X 650X 1950
WEIGHT (KG)	220	320	420	980	1020



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SURFACE GRINDER

GRINDER -alpha



Code MEKHAN:	R800010
Longitudinal stroke	340mm
cross stroke	170mm
vertical stroke	210mm
Table size	152mmx304mm
Width of T-slot	1-12mm
Cross feed per graduation	0.02mm
Cross feed per round	2.54mm
Vertical feeds per graduation	0.025mm
Vertical feed per round	1.25mm
Roughness	1.6µm
Size to grinding wheel	180mmx32mmx13mm
Power of motor	0.55kw
N. W. / G.W. of machine	210/258kgv
N. W. / G.W. of stand	30/54kg
Overall dimension of machine LxWxH	930x780x730mm
Case dimension of machine LxWxH	1100x760x860mm
Case dimension of stand LxWxH	750x580x630mm

GRINDER -beta

Code MEKHAN:	R800020
Max. workpiece to be Ground (L x W x H)	500x190x335mm
Max. Grinding Length	500mm
Max. Grinding Width	190mm
Distance From Table Surface To Spindle Center	335mm
Slide way	V-type rail with Steel-ball
V-type rail with Steel-ball	200kg
Table Size (L x W)	460x180mm
Number of T-Slot	14x1mmxn
Cross Feed On Handwheel	0.02/Graduation
	2.5/revolution
	0.01/Graduation
Vertical Feed On Handwheel	1.25/revolution
Wheel Size (dia x width x bore)	180x13x31.75mm
Spindle speeds 50HZ	2850rpm
Spindle Motor	1.1kw
Coolant Pump	0.04kw
Paraller Level	300:0.005mm
Machine Size (L x W x H)	1240x1080x1680mm
Packing Size (L x W x H)	750/650kg
Gross/Net weight	



GRINDER -gamma



Code MEKHAN:	R800030
Max. workpiece to be Ground (L x W x H)	560x250x490mm
Max. Grinding Length	560mm
Max. Grinding Width	250mm
Distance From Table Surface To Spindle Center	490mm
Slide way	V-type rail with Steel-ball
V-type rail with Steel-ball	250kg
Table Size (L x W)	500x250mm
Number of T-Slot	14x1mmxn
Cross Feed On Handwheel	0.02/Graduation
	2.5/revolution
	0.01/Graduation
Vertical Feed On Handwheel	1.25/revolution
Wheel Size (dia x width x bore)	200x20x31.75mm
Spindle speeds 50HZ	2850rpm
Spindle Motor	1.5kw
Coolant Pump	0.04kw
Paraller Level	300:0.005mm
Machine Size (L x W x H)	1800x1400x1800mm
Packing Size (L x W x H)	1280x1250x1880mm
Gross/Net weight	1100/1000kg

SURFACE GRINDER

GRINDER -delta

Specifications	R800040
Code MEKHAN:	630x310x390mm
Max. workpiece to be Ground (L x W x H)	630mm
Max. Grinding Length	320mm
Max. Grinding Width	550mm
Distance From Table Surface To Spindle Center	V-type rail with Steel-ball
Slide way	200kg
V-type rail with Steel-ball	600x300mm
Table Size (L x W)	14x1mmxn
Number of T-Slot	0.02/Graduation / 2.5/revolution
Cross Feed On Handwheel	0.01/Graduation / 1.25/revolution
Vertical Feed On Handwheel	300x30x75mm
Wheel Size (dia x width x bore)	1440rpm
Spindle speeds 50HZ	3.79kw
Totale Power	4kw
Spindle Motor	4Mpa
Working Pressure	20L/min
Max. Capacity	100L
Oil tank capacity	Ra0.32µm
Surface Roughness	300:0.005mm
Paraller Level	1960x1480x1850mm
Machine Size (L x W x H)	2000x1040x2020mm
Packing Size (L x W x H)	1600/1500kg
Gross/Net weight	



GRINDER -epsilon



Code MEKHAN:	R800050
Max. workpiece to be Ground (L x W x H)	520x250x490mm
Distance From Table Surface To Spindle Center	450mm
Slide way	V-type rail with Steel-ball
V-type rail with Steel-ball	200kg
Table Size (L x W)	560x260mm
Number of T-Slot	14x1mmxn
Speed of working table	3-20m/min
Cross Feed On Handwheel	0.02/Graduation / 4/revolution
Vertical Feed On Handwheel	0.01/Graduation / 2/revolution
Wheel Size (dia x width x bore)	200x20x31.75mm
Spindle speeds 50HZ	2850rpm(0-6000)
Spindle Motor	1.5kw
Hydraulic station motor	1.5kw
Working Pressure	3Mpa
Hydraulic capacity	18L/min
Tank capacity	80L
Coolant Pump	0.04kw
Paraller Level	300:0.004mm
Machine Size (L x W x H)	1680x1220x1720mm
Packing Size (L x W x H)	1750x1350x1960mm
Gross/Net weight	1350/1250kg

Code MEKHAN:	R800060
Table size	305x600mm
Longitudinal/cross/vertical travel	630/340/540mm
Magnetic chuck size	300x600mm
Table longitudinal move speed	7-23m/min
Table cross move auto feed	0.1-8mm/min
Table cross move rapid feed	990mm/min
Table cross move hand wheel feed	0.02mm/div
Grinding head vertical move auto feed	(H/R mode) 0.005/0.01/0.02/0.03/0.04/0.05(only for D model)
Grinding head vertical move rapid feed	(H model) 610(only for R model) 480(only for D model)
Grinding head vertical move hand wheel feed	0.005mm/div
Grinding wheel speed	50HZ 1440 60HZ 1750
Grinding wheel size(ODxWxD)	360x40x127mm
Spindle motor	5.5kw
Hydraulic motor	2.2kw
Cooling motor	0.09kw
Max. Loading capacity of table (include magnetic chuck)	270kg
Cross feed motor	0.04kw
Total rated motor	9kw
Crossweight	2800
Packing size	2315X2220X2230mm



GRINDER -zeta

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SURFACE GRINDER

GRINDER -eta



Code MEKHAN:

R800070
 Table size 406x800mm
 Longitudinal/cross/vertical travel 830/440/540mm
 Magnetic chuck size 400x800mm
 Table longitudinal move speed 7-23m/min
 Table cross move auto feed 0.1-8mm/min
 Table cross move rapid feed 990mm/min
 Table cross move hand wheel feed 0.02mm/div
 Grinding head vertical move auto feed (H/R mode) 0.005/0.01/0.02/0.03/0.04/0.05 (only for D model)
 Grinding head vertical move rapid feed (H model) 610 (only for R model) 480 (only for D model)
 Grinding head vertical move hand wheel feed 0.005mm/div
 Grinding wheel speed 50HZ 1440 60HZ 1750
 Grinding wheel size(ODxWxD) 350x40x127mm
 Spindle motor 5.5kw
 Hydraulic motor 2.2kw
 Cooling motor 0.09kw
 Max. Loading capacity of table (include magnetic chuck) 500kg
 Cross feed motor 0.04kw
 Total rated motor 9kw
 Grossweight 3600kg
 Packing size 2720X2265X2250mm

GRINDER -theta

Code MEKHAN:

R800080
 Table size 305x1003mm
 Longitudinal/cross/vertical travel 1030/340/540mm
 Magnetic chuck size 300X1000mm
 Table longitudinal move speed 7-23m/min
 Table cross move auto feed 0.1-8mm/min
 Table cross move rapid feed 990mm/min
 Table cross move hand wheel feed 0.02mm/div
 Grinding head vertical move auto feed (H/R mode) 0.005/0.01/0.02/0.03/0.04/0.05 (only for D model)
 Grinding head vertical move rapid feed (H model) 610 (only for R model) 480 (only for D model)
 Grinding head vertical move hand wheel feed 0.005mm/div
 Grinding wheel speed 50HZ 1440 60HZ 1750
 Grinding wheel size(ODxWxD) 350x40x127mm
 Spindle motor 5.5kw
 Hydraulic motor 2.2kw
 Cooling motor 0.09kw
 Max. Loading capacity of table (include magnetic chuck) 400kg
 Cross feed motor 0.04kw
 Total rated motor 9kw
 Grossweight 3200
 Packing size 2960X2210X2220mm



GRINDER -iota

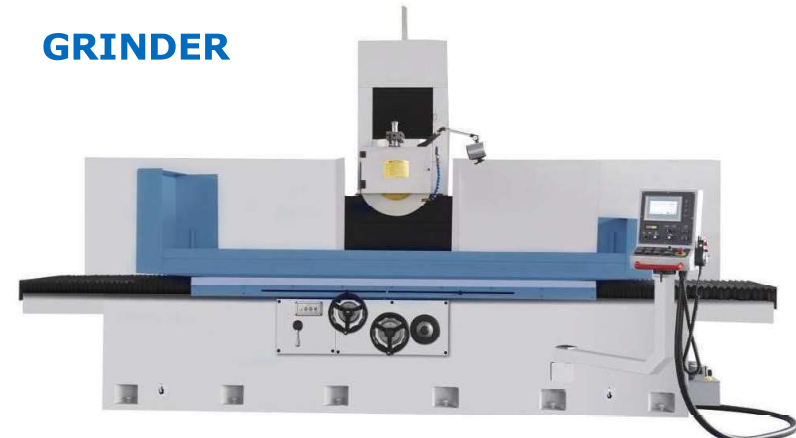


Code MEKHAN:

R800090
 Table size 406x1005mm
 Longitudinal/cross/vertical travel 1030/440/540mm
 Magnetic chuck size 400X1000mm
 Table longitudinal move speed 7-23m/min
 Table cross move auto feed 0.1-8mm/min
 Table cross move rapid feed 990mm/min
 Table cross move hand wheel feed 0.02mm/div
 Grinding head vertical move auto feed (H/R mode) 0.005/0.01/0.02/0.03/0.04/0.05 (only for D model)
 Grinding head vertical move rapid feed (H model) 610 (only for R model) 480 (only for D model)
 Grinding head vertical move hand wheel feed 0.005mm/div
 Grinding wheel speed 50HZ 1440 60HZ 1750
 Grinding wheel size(ODxWxD) 350x40x127mm
 Spindle motor 5.5kw
 Hydraulic motor 2.2kw
 Cooling motor 0.09kw
 Max. Loading capacity of table (include magnetic chuck) 600kg
 Cross feed motor 0.04kw
 Total rated motor 9kw
 Grossweight 3900
 Packing size 3420X2250X2230mm

SURFACE GRINDER

GRINDER



GRINDER

Code MEKHAN:

			-kappa R800100	-lambda R800110	-mi R800120
Working Surface of Table	mm		500×1000(20"×40")	600×1500(24"×60")	600×2000(24"×80")
Max. Table Travel	mm		1140	1600	2230
Max. Cross Travel	mm		540	650	650
Distance Between Table Surface and Spindle Center	mm		590	600	600
Max. Table Load	kgs		800	1200	1200
T-Slot (Number×Width)	mm		3×16	3×16	3×16
Table Speed	m/min		5~25	5~25	5~25
Crossfeed Handwheel	1 grad	mm	0.02	0.02	0.02
	1 rev	mm	5	5	5
Automatic Crossfeed of Saddle	mm		0.5~12	0.5~12	0.5~12
Automatic Crossfeed Rate	mm/min		1250	1250	1250
Power Cross Feed	mm/min		1500	1500	1500
Grinding Wheel Dimensions	mm		355×40×127	400X50X127	400X50X127
Spindle Speed	50Hz	rpm	1450	1450	1450
	60Hz	rpm	1740	1740	1740
Vertical Handwheel	1 grad	mm	0.001/0.1	0.001/0.1	0.001/0.1
	1 rev	mm	0.1/1	0.1/1	0.1/1
Automatic Down Feed Rate	mm		0.001~0.1	0.001~0.1	0.001~0.1
Power Head Increment	mm		600	600	600
Spindle Motor	kw		7.5	7.5	7.5
Coolant system	w		90	90	90
Hydraulic motor	kw		2.2	2.2	2.2
Transvcrac motor	kw		1.5	1.5	1.5
Floor Space	mm		4445×2445	5000X2500	6200X2700
Packing Dimensions	mm		3400×2265×2250	5800X2300X2250	5800X2300X2250
Net Weight	kgs		5000	7300	8500



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DRILLING MACHINE

DRILL -CC32



DRILL -CC40



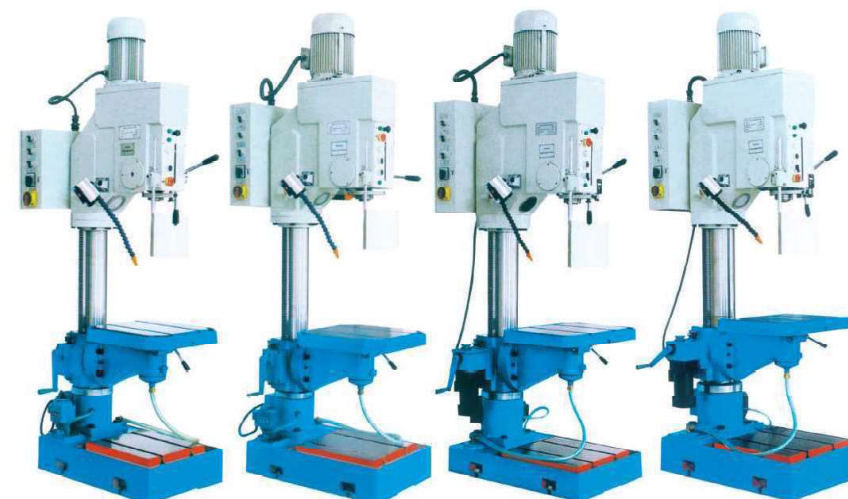
DRILL

Code MEKHAN:

	-CC32 TC900010	-CC40 TC900020
Max.drilling capacity	32 mm	40 mm
Distance from spindle axis to generating line of column	290 mm	290 mm
Max.distance from spindle nose to working surface of work table	790 mm	540 mm
Max.distance from spindle nose to working surface of base plate	1300 mm	965 mm
Spindle stroke	115 mm	115 mm
Max.adjustment of work table and table rest	790 mm	500 mm
Swivel of table and table rest	±45°	NA
Spindle bore taper	MT3	MT4
Spindle speed L	55-350 r.p.m	60-350 r.p.m
W	350-2300 r.p.m	350-2300 r.p.m
Column diameter	Ø140 mm	Ø140 mm
Effective working area of table(LxW)	320x320 mm	Ø420 mm
Effective working area of base plate(LxW)	380x380 mm	560x370 mm
Dimension of T-slot of table and base plate	2-12 mm	2-12 mm
3 phase two speed ac motor Y2 909	Power 1.1 Kw	1.5 Kw
Speed	1440 r/min	1440 r/min
3-phase pump motor DB-4TH	Power 0.06 Kw	0.06 Kw
Flow rate	4 L/min	4 L/min
Packing dimension(LxWxH)	900x590x1980 mm	900x590x1980 mm
Net/gross weight	310/360 Kg	310/360 Kg

DRILLING MACHINE

DRILL



-C30

-C35

-C40

-C50

DRILL

Code MEKHAN:

	-C30 TC900030	-C35 TC900040	-C40 TC900050	-C50 TC900060
Model	SP31003	SP31123	SP31213	SP31133
Max.drilling capacity	30 mm	35 mm	40 mm	50 mm
Max.tapping capacity	M18 mm	M20 mm	M24 mm	M24 mm
Distance from spindle axis to generating line of column	315 mm	330 mm	360 mm	360 mm
Max.distance from spindle nose to working surface of work table	520 mm	610 mm	600 mm	600 mm
Max.distance from spindle nose to working surface of base plate	1080 mm	1150 mm	1205 mm	1215 mm
Spindle stroke	135 mm	150 mm	180 mm	180 mm
Max.adjustment of work table and table rest	400 mm	540 mm	520 mm	500 mm
Swivel of table and table rest	±45°	±45°	±45°	±45°
Spindle bore taper(Morse)	3	4	4	4
Spindle speed steps	12	12	12	12
Spindle speed	70-2600 r/min	70-2600 r/min	42-2050 r/min	42-1965 r/min
Spindle feed steps	3	3	4	4
Spindle feed range	0.1, 0.2, 0.3 mm/r	0.1, 0.2, 0.3 mm/r	0.07, 0.15, 0.26, 0.4 mm/r	0.07, 0.15, 0.26, 0.4 mm/r
Column diameter	Ø125 mm	Ø140 mm	Ø160 mm	Ø170 mm
Effective working area of table(LxW)	374x374 mm	424x424 mm	370x500 mm	370x500 mm
Effective working area of base plate(LxW)	370x380 mm	420x380 mm	460x450 mm	460x450 mm
Dimension of T-slot of table and base plate	2-14, 2-16 mm	2-14, 2-16 mm	2-14, 2-16 mm	2-14, 2-16 mm
3-phase two-speed ac motor	Power 1.1/1.5 Kw	1.5/2.2 Kw	2.2/2.8 Kw	2.2/2.8 Kw
Voltage	220 V, 380 V, 420 V, 440 V	220 V, 380 V, 420 V, 440 V	220 V, 380 V, 420 V, 440 V	220 V, 380 V, 420 V, 440 V
Speed	960/1450 r/min	960/1450 r/min	960/1450 r/min	960/1450 r/min
3-phase pump motor	Power 0.09 Kw	0.09 Kw	0.09 Kw	0.09 Kw
Voltage	220 V, 380 V, 420 V, 440 V	220 V, 380 V, 420 V, 440 V	220 V, 380 V, 420 V, 440 V	220 V, 380 V, 420 V, 440 V
Flow rate	6 L/min	6 L/min	6 L/min	6 L/min
Packing dimension(LxWxH)	650x1050x1950 mm	700x1150x2150 mm	700x1150x2150 mm	700x1150x2150 mm
Net/gross weight	410/600 Kg	670/730 Kg	710/800 Kg	800/860 Kg



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RADIAL DRILLING MACHINE



DRILL -R32

Specifications

Code MEKHAN:	TC900070
Max. drilling diameter	32mm
Column diameter	200mm
Distance between spindle axis and column	200-910mm
Distance of spindle box movement	710mm
Distance spindle nose and table surface	330-1060mm
Rocker lift distance	730mm
Spindle travel	120mm
Spindle taper	MT4
Range of spindle speeds	108-1000r/min
Range of spindle feeds	0.10-0.25mm/r
Rocker rotary angle	360°
Motor power	1.5/2.2kw
Movement motor power	0.55kw
Cooling motor power	0.04kw
Machine weight	1080kg
Overall dimension	1400x660x2060mm

Specifications

Code MEKHAN:	TC900080
Max. drilling diameter	40mm
Column diameter	280mm
Distance spindle nose and table surface	260-1050mm
Distance between spindle axis and column	360-1300mm
Spindle travel	200mm
Spindle taper	MT4
Range of spindle speeds	75-1200r/min
Number of spindle speeds	6 step
Range of spindle feeds	0.10-0.56mm/r
Number of spindle feeds	3 step
Rocker rotary angle	360°
Motor power	2.2kw
Movement motor power	0.75kw
Machine weight (SP3126x13/16)	2000/3800kg
Overall dimension (SP3126x13)	2000x800x2240mm
(SP3126x16)	2400x980x2580mm



DRILL -R40

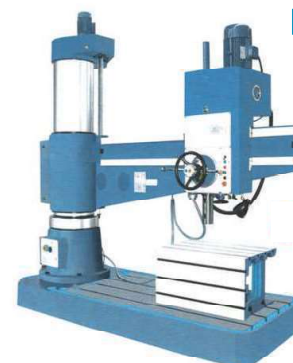
Specifications

Code MEKHAN:	TC900090
Max. drilling diameter	50mm
Distance between spindle axis and column	350-1600mm
Distance spindle nose and table surface	320-1220mm
Rocker arm lifting distance	580mm
Rocker arm lifting speed	0.02m/s
Spindle travel	315mm
Spindle taper	MT5
Range of spindle speeds	25-2000r/min
Number of spindle speeds	16 step
Range of spindle feeds	0.04-3.20mm/r
Number of spindle feeds	16 step
The maximum torque of the spindle	500 N.M
Spindle maximum feed resistance	18000 N
Table size	630x500mm
The spindle box of horizontal moving distance	1250mm
Spindle motor power	4kw
Hydraulic clamping motor power	0.75kw
Cooling pump motor power	0.09kw
Arm lift motor power	1.5kw
Machine weight	3500kg
Overall dimension	2500x1070x2840mm



DRILL -R50

RADIAL DRILLING MACHINE



DRILL -R63

Code MEKHAN:

Max. drilling dia(mm)	63mm
Distance from spindle nose to table surface	500-1300mm
Distance between spindle axis and column surface	400-2000
Spindle travel	400mm
Spindle Cone	MT5
Spindle speeds range	20-1600r.p.m
Spindle speed step	16
Spindle feeding range	0.04-3.2 r.p.m
Spindle feeding step	16
Rocker rotary angle	360°
Main motor power	5.5 kw
Movements motor power	1.5 kw
Weight	6500kg
Overall dimensions	3000x 1250x 3300mm

TC900100

DRILL -R80

Code MEKHAN:

Max. drilling dia(mm)	80mm
Distance from spindle nose to table surface	550-2000mm
Distance between spindle axis and column surface	500-2500mm
Spindle travel	400mm
Spindle Cone	MT6
Spindle speeds range	16-1250 r.p.m
Spindle speed step	16
Spindle feeding range	0.04-3.2 r.p.m
Spindle feeding step	16
Rocker rotary angle	360°
Main motor power	7.5 kw
Movement motor power	1.6 kw
Weight	11000kg
Overall dimensions	3780x 1400x 3790mm

TC900110

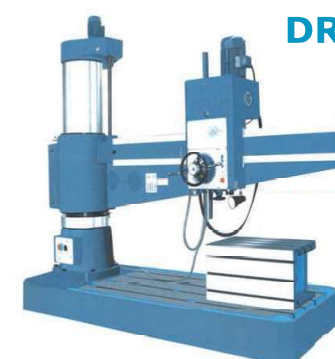


DRILL -R100

Code MEKHAN:

Max. drilling dia(mm)	100mm
Distance from spindle nose to table surface	750-2500mm
Distance between spindle axis and column surface	570-3150mm
Spindle travel	500mm
Spindle Cone	MT6
Spindle speeds range	8-1000 r.p.m
Spindle speed step	22
Spindle feeding range	0.06-3.2 r.p.m
Spindle feeding step	16
Rocker rotary angle	360°
Main motor power	15 kw
Movements motor power	3 kw
Weight	20000kg
Overall dimensions	43780x 1630x 4720mm

TC900120



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DRILL PRESS

DRILL



Laser Chuck guard Front switch Keyless drill chuck Key type drill chuck Vice

• Laser, Chuck guard, Front switch, Keyless drill chuck, Key type drill chuck, Vice, as optional



-B13A

-B13B

-B16A

DRILL	-B13A	-B13B	-B16A
Code MEKHAN:	TB900130	TB900140	TB900150
Model	SP5213A	SP5213B	SP5216A-I
Drilling Cap.	13mm(1/2")	13mm(1/2")	16mm(5/8")
Motor Power	250/350W	250W	350/550W
Spindle Travel	50mm	65mm	65mm
Class of Speed	5	5	5
Spindle Taper	B16	B16	B16
Swing	210mm	260mm	260mm
Table Size	160x160mm	190x190mm	190x190mm
Base Size	290x190mm	340x210mm	340x210mm
Column Dia.	Ø46	Ø58	Ø58
Height	580mm	680mm	840mm
N.W./G.W.	10/20kgs	27/20kgs	32/34kgs
Packing Size	435X340X230mm	570x410x265mm	680x430x265mm

DRILL PRESS

DRILL



Laser Chuck guard Front switch Keyless drill chuck Key type drill chuck Vice

• Laser, Chuck guard, Front switch, Keyless drill chuck, Key type drill chuck, Vice, as optional



-B16B

-B16CB

-B16D

DRILL	-B16B	-B16C	-B16D
Code MEKHAN:	TB900160	TB900170	TB900180
Model	SP5216A-II	SP5216B-II	SP5216B-I
Drilling Cap.	16mm(5/8")	16mm(5/8")	16mm(5/8")
Motor Power	350/550W	550W	550W
Spindle Travel	65mm	85mm	85mm
Class of Speed	12	16	16
Spindle Taper	MT#2	MT#2	MT#2
Swing	310mm	360mm	325mm
Table Size	Ø 260mm	290x290mm	290mm
Base Size	420x250mm	400x272mm	420x250mm
Column Dia.	Ø58	Ø70-72	Ø70-72
Height	900mm	1000mm	980mm
N.W./G.W.	4U/4.2kgs	6U/6.3kgs	5U/5.2kgs
Packing Size	780x450x280mm	825x490x290mm	780x450x280mm



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DRILL PRESS

DRILL



Laser Chuck guard Front switch Keyless drill chuck Key type drill chuck Vice

• Laser, Chuck guard, Front switch, Keyless drill chuck, Key type drill chuck, Vice, as optional



-B20A **-B20B** **-B16E** **-B16F**

DRILL	-B20A	-B20B	-B16E	-B16F
Code MEKHAN:	TB900190	TB900200	TB900210	TB900220
Model	SP5220A	SP5220B	SP5216C-II	SP5216C-I
Drilling Cap.	20mm(3/4")	20mm(3/4")	16mm(5/8")	16mm(5/8")
Motor Power	750W	750W	560W	560W
Spindle Travel	85mm	85mm	85mm	85mm
Class of Speed	16	16	16	16
Spindle Taper	MT#2	MT#2	MT#2	MT#2
Swing	360mm	360mm	360mm	325mm
Table Size	Ø290mm	290x290mm	290x290mm	Ø290mm
Base Size	460x272mm	460x272mm	460x272mm	460x272mm
Column Dia.	Ø70 72	Ø70 72	Ø70 72	Ø70 72
Height	1200mm	1600mm	1600mm	1580mm
N.W./G.W.	63/66kgs	70/74kgs	70/74kgs	60/63kgs
Packing Size	1000x500x300mm	1140x500x300mm	1140x500x300mm	1140x460x280mm

DRILL PRESS

DRILL



Laser Chuck guard Handle Keyless drill chuck Key type drill chuck Vice

• Laser, Chuck guard, Handle, Keyless drill chuck, Key type drill chuck, Vice, as optional



-B25A **-B25B** **-B32A** **-B32B**

DRILL	-B25A	-B25B	-B32A	-B32B
Code MEKHAN:	TB900230	TB900240	TB900250	TB900260
Model	SP5225A	SP5225B	SP5232A	SP5232B
Drilling Cap.	25mm(1")	25mm(1")	32mm(1-1/4")	32mm(1-1/4")
Motor Power	750/1100W	1110W	1100/1500W	1100/1500W
Spindle Travel	85mm	120mm	120mm	120mm
Class of Speed	12	12	12	12
Spindle Taper	MT#3	MT#3	MT#4	MT#4
Swing	360mm	450mm	450mm	510mm
Table Size	290x290mm	350x350mm	360x360mm	420x480mm
Base Size	400x272mm	470x300mm	470x300mm	500x450mm
Column Dia.	Ø80	Ø92	Ø92	Ø92
Height	1600mm	1710mm	1710mm	1710mm
N.W./G.W.	80/84kgs	120/128kgs	130/138kgs	145/153kgs
Packing Size	1140x490x280mm	1420x650x310mm	1420x650x310mm	1420x650x310mm



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DRILL PRESS

DRILL -B65

Code MEKHAN:	TB900270
Motor(W)	550W
Column Dia	65mm
Swing	305mm
Max.drilling capacity	16mm
Chuck capacity(mm)	3-16mm
Taper	JT3/B16
Spindle travel	80mm
No. of speed	Variable
Speed range 50Hz	450-2500rpm
Speed range 60Hz	530-3100rpm
Table size	240*245mm
Base size	395*250mm
Overall height	930mm
Measurement	750*500*280mm
N.W/G.W	35/33kg



DRILL -B60

Code MEKHAN:	TB900280
Model	SP5216VS/90
Feature	Dilling(Vario speed)
Drill chuck	1 6mm
Column Diameter	60mm
Spindle Travel	90mm
Swing	300mm
Spindle Taper	MT2
Speed Range	280-3000RPM
No. Of speed	various
Table Size	243x243mm
Base Table size	413x246mm
Height	910mm
Motor	550W
Weight	42/45kg
Packing Size	545x325x950mm



MAGNETIC DRILL

DRILL -M50B

Code MEKHAN: TM900330



DRILL -M45

Code MEKHAN: TM900290



DRILL -M55

Code MEKHAN: TM900340



DRILL -M16

Code MEKHAN: TM900310



DRILL -M50A

Code MEKHAN: TM900320



DRILL -M40

Code MEKHAN: TM900300



Specifications

Code MEKHAN:	Twist drill	Hole drill	Rated voltage	Rated input power	No-load speed	Max. attraction	N.W
TM900290	23mm	45mm	230-240V/110V-120V 50HZ 60HZ	1200W	100-500r/min	>13000N	19.8kg
TM900300	28mm	40mm	230-240V/110V-120V 50HZ 60HZ	1200W	120-550r/min	>15000N	24kg
TM900310		16mm	230-240V/110V-120V 50HZ 60HZ	900W	600r/min	>9500N	10.7kg
TM900320	25mm	50mm	230-240V/110V-120V 50HZ 60HZ	1350W	480r/min	>15000N	19.2kg
TM900330	32mm	50mm	230-240V/110V-120V 50HZ 60HZ	1600W	170r/min	>17000N	47kg
TM900340	35mm	55mm	230-240V/110V-120V 50HZ 60HZ	900W	600r/min	>9500N	10.9kg



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