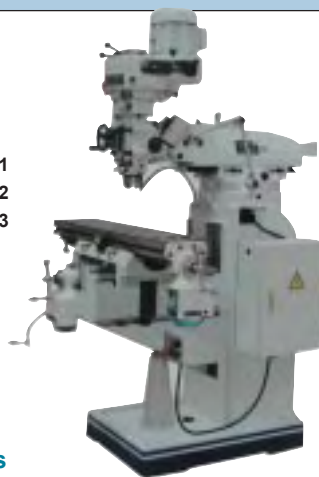


Universal Milling Machines

Order No.199-0201
Order No.199-0202
Order No.199-0203


Universal Turret NC Milling Machines

Order No.199-0211
Order No.199-0212
Order No.199-0213


Universal Milling Machines

Specification	Order No.199-0201	Order No.199-0202	Order No.199-0203
Table size/mm	230x1246(9"x49")	254x1270(10"x50")	305x1370(12x54")
Long travel/mm	840	850	870
Cross travel/mm	305	420	380
Vertical Travel/mm	400	420	430
T-slot No and size/mm	3x16	3x16	3x16
Ram travel/mm	312	470	500
Distance from spindle nose to table surface/mm	0-415	0-405	0-350
Spindle hole taper	Standard:R8, Optional: ISO30/40	Standard:R8, Optional: ISO30/40	Standard: ISO40
Spindle travel/mm	127	127	127
Spindle speed/rpm	Standard:16 shiftgrade, 65-4500(60Hz), 80-5440(50Hz), Optional:Variable:65-4500	Standard:16 shiftgrade, 65-4500(60Hz), 80-5440(50Hz), Optional:Variable:65-4500 or 65-3750	Standard:16 shiftgrade, 65-4500(60Hz), 80-3750(50Hz)
Auto quill feed/mm	three steps, 0.04/0.08/0.15 rpm	three steps, 0.04/0.08/0.15 rpm	three steps, 0.04/0.08/0.15 rpm
Spindle motor	2.25kW/3hp	2.25kW/3hp	3.75kW/5hp
Head swivel	90degree	90degree	90degree
Head tilting	45degree	45degree	45degree
Package size/mm	1400x1476x2030mm per case	1516x1550x2080mm per case	1566x1650x2080mm per case
Weight/kg	1160	1550	1700

Universal Turret NC Milling Machines

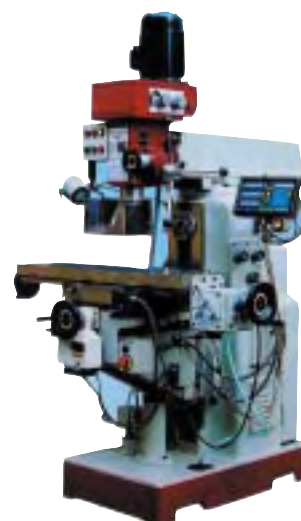
Specification	Order No.199-0211	Order No.199-0212	Order No.199-0213
Table size/mm	230x1067 230x1246	254x1270 254x1370	305x1370 305x1500
T slots	3x16	3x16	3x16
Table loading/kg	200	280	350
X axis travel/mm	550 740	750 850	800 900
Y axis travel/mm	300	400	360
Z axis travel/mm	127	127	127
X/Y/Z axis rapid feed/mm/min	5000	5000	5000
X/Y/Z axis servo motor/KW	1	1	1
Knee vertical travel/mm	380	400	410
Ram travel/mm	315	465	500
Distance from spindle to table/mm	0-380	0-400	0-410
Milling head			
Spindle speed/rpm	Standard:16steps, 50Hz:60-4500/ 60Hz:80-5440 Optional: Variable, 65-4200	Standard:16steps, 50Hz:60-4500/ 60Hz:80-5440 Optional: Variable, 65-4200	Standard:16steps, 50Hz:60-4500/ 60Hz:80-5440 Optional: Variable, 60-3750
Spindle taper	Standard: R8/Optional:ISO40	Standard: R8/Optional:ISO40	Standard: R8/Optional:ISO40
Motor power/hp	3hp	3hp	5hp
Head rotating	Swiveling:90degree, Tilting: 45 degree	Swiveling:90degree, Tilting: 45 degree	Swiveling:90degree
Packing Size/cm	165x190x200	190x200x223	200x200x225
G.W./kg	1200	1500	1900

H/V Milling Machine

Specification	Order No.199-0221
Max drilling dia/mm	50;30
Spindle taper	MT4, R8, ISO30
Max vertical milling dia/mm	25
Max boring dia/mm	120
Max tapping dia/mm	M16
Distance from spindle to table surface/mm	100-480
Spindle speeds range	
Vertical	115-1750(8)
Horizontal	40-1300(12)
Spindle travel/mm	120
Automatic spindle feeds/ mm/r	--
Table size/mm	1120x280;1000x280
Table travel/mm	600x260
Overall dimension/mm	1400x1630x2350
Motor/KW	
vertical	0.85
Horizontal	1.5/2.2
GW/kg	1350



Specification	Order No.199-0222
Max drilling dia/mm	50;30
Spindle taper	MT4, R8, ISO30, ISO40
Max vertical milling dia/mm	25
Max boring dia/mm	120
Max tapping dia/mm	M16
Distance from spindle to table surface/mm	140-490
Spindle speeds range	
Vertical	60-1500(8)
Horizontal	40-1300(12)
Spindle travel/mm	120
Automatic spindle feeds/ mm/r	0.08,0.15,0.25
Table size/mm	1120x280;1000x280
Table travel/mm	600x260
Overall dimension/mm	1400x1630x2650
Motor/KW	
vertical	1.5
Horizontal	2.2
GW/kg	1350



Specification	Order No.199-0223
Spindle Taper	ISO40
Distance from spindle nose to table/mm	90-370
Distance from Horizontal spindle nose to table/mm	0-280
Distance between spindle and column/mm	200-550
Vertical quill speed/rpm	8 steps:60-1500rpm(vertical)
Spindle travel/mm	12 steps:40-1300rpm(horizontal)
Feeding of quill/mm/r	120mm
Max drilling capacity of auto-feeding/mm	3 steps:0.08,0.15,0.25mm/r
Table size/mm	dia 12mm(iron), dia 8mm(steel)
Table travel	1250x320mm
Horizontal/mm	600mm
Cross/mm	300mm
Vertical/mm	280mm
distance from spindle axis to arm/mm	170mm
Feeding range of longitudinal, cross travel/mm/min	8steps:30-740mm/min
Auto-feeding of Z-axis/mm/min	560mm/min
T-lot(No.-width-distance)/mm	3-14-70
Main motor/KW	1.5KW(V)/2.2KW(H)
Motor for repaid device of table/W	750W
Motor for vertical device of table/W	750W
Overall dimension/mm	1700x1480x2150
GW/kg	1550kg



Milling & Drilling Machines

Specification	Order No. 199-7550	Order No. 199-7551
Worktable size/mm	800x240	900x250
Table travel/mm	400x230	500x240
Vertical travel/mm	380	380
Vertical milling capacity/mm	30	30
Face milling capacity/mm	120	120
Drilling capacity/mm	50	50
Longitudinal feeds travel/mm/min	24-720	24-720
Vertical milling spindle travel/mm	120	150
Spindle nose to worktable/mm	0-380	0-380
Travel of movable arm/mm	300	300
Vertical milling spindle taper	ISO40	MT4
Horizontal milling spindle taper	--	--
Vertical milling spindle speed/rpm	6 steps: 120-1520rpm/8 steps:115-1750rpm	6 steps: 120-1520rpm/8 steps:115-1750rpm
Horizontal milling spindle speedrpm	--	--
Vertical milling motor/KW	0.85/1.5KW	1.3/1.8KW
Main motor/KW	--	--
Overall size/mm	1340x1200x2360mm	1340x1200x2360mm
GW/kg	900kgs	900kgs



Specification	Order No. 199-7552	Order No. 199-7553
Worktable size/mm	800x230	900x250
Table travel/mm	400x230	500x240
Vertical travel/mm	380	380
Vertical milling capacity/mm	30	30
Face milling capacity/mm	120	120
Drilling capacity/mm	50	50
Longitudinal feeds travel/mm/min	24-720	24-720
Vertical milling spindle travel/mm	120	150
Spindle nose to worktable/mm	0-380	0-380
Travel of movable arm/mm	300	300
Vertical milling spindle taper	ISO40	MT4
Horizontal milling spindle taper	ISO40	MT4
Vertical milling spindle speed/rpm	6 steps: 120-1520rpm/8 steps:115-1750rpm	6 steps: 120-1520rpm/8 steps:115-1750rpm
Horizontal milling spindle speedrpm	230-1825rpm	65-1790rpm
Vertical milling motor/KW	0.85/1.5KW	1.3/1.8KW
Main motor/KW	2.2KW	1.5W
Overall size/mm	1340x1200x2360mm	1340x1200x2360mm
GW/kg	950kgs	950kgs



Specification	Order No. 199-7555
Max. Drilling Dia.(mm)	50
Max. Horizontal Milling Dia.(mm)	120
Max. Vertical Milling Dia.(mm)	25
Max. Tapping Dia.(mm)	M16
Spindle Speeds Range(R.P.M)	230-1825
Distance. Spindle to Column Surface (mm)	320
Distance. Spindle to Table Surface (mm)	
Spindle Travel (mm)	120
Table Travel (mm)	400x230
Table Size(mm)	800x240
Motor(KW)	.85-1.5
Overall Dimensions (mm)	1000x970x1650

