

## ADX -450

### Precision Automatic Surface Grinders



## ADX -700

### Precision Automatic Surface Grinders



## SPECIFICATIONS

MODEL		ADX450	ADX500	ADX600	ADX700	ADX800	ADX1000
Table size		203 x 460mm (8 x 18")	254 x 508mm (10 x 20")	300 x 600mm (11.81 x 23.63")	305 x 712mm (12 x 28")	406 x 813mm (16 x 32")	406 x 1020mm (16 x 40")
Max. grinding length	Longitudinal	480mm (19")	520mm (20.5")	600mm (23.63")	712mm (28")	813mm (32")	1020mm (40")
Max. grinding width	Crosswise	228mm (9")	280mm (11")	300mm (11.81")	330mm (13")	410mm (16")	
Max. distance from table surface to spindle centerline		460mm (18")	500mm (19.63")	585mm (23")	Standard column: 630mm ( 24.75"), optional high column:720mm ( 28.31)		
Standard magnetic chuck size		200 x 450mm (8 x 18")	250 x 500mm (10 x 20")	300 x 600mm (11.81 x 23.63)	300 x 600mm (11.75 x 27.5")	400 x 800mm (15.69 x 31.5)	400 x 1000mm (15.69 x 39.25)
Longitudinal movement of table	Max. travel, hydraulic	480mm (19")	580mm (22.75)	650mm (25.56)	760mm (30")	890mm (35")	1060mm (41.69)
	Max. travel, manual	510mm (20")	620 (24.38)	730mm (28.75)	830mm (32.56)	930mm (36.5")	1100mm (43.25")
	Table speed infinitely variable	60HZ, 5-25m/min; 50HZ, 5-20m/min					
Crossfeed transverse travel	Auto transverse increment (jog)	1-10mm (0.04-0.4")	1-13mm (0.04-0.5")	1-19mm (0.04-0.75")	1-25mm (0.04-1)		
	Auto constant feeding speed	60-320mm/min (2 1/ 2-13"/min)					
	Max. auto transverse travel	235mm (9.25")	270mm (10.63")	310mm (12.19")	350mm (13.75")	430mm (17")	
	Max. manual transverse travel	250mm (9.75)	300mm (11.75)	340mm (13.38)	380mm (15")	460mm (18")	
	Handwheel per revolution	5mm (0.2")	5mm (0.2")				
	Handwheel per graduation	0.02mm (0.0005")	0.02mm (0.001")				
Wheelhead vertical infeed	Auto matic infeed	Rough grinding: 0.001~0.050mm(1~25/10000") Finishing grinding :0.0005~0.0095mm(0.25~9.75 /10000")					
	Step feed(jog)	Jogging downfeed: 0.0005mm(0.000025") jogging step increment : 0.001~0.050mm(1~25/10000")					
	Manual pulse generator (per graduation)	0.001mm(0.00005")					
	Rapid travel, approx	250mm (10")/min	150mm(6")/min				
	Slow travel, approx	6mm (0.25")/min	6mm (0.25")/min				
	Handwheel per revolution	Min.display value: 0.001mm(1/10000") (No elevating handwheel)					
	Handwheel per graduation						
Grinding spindle drive	Speed	60HZ, 3450r.p.m. 50HZ, 2850r.p.m.			60HZ, 1750r.p.m. 50HZ, 1450r.p.m.		
	Power rating	2.0HP	3.0HP	5.0HP	Standard: 5.0HP, optional:7.5HP,10HP		
Standard grinding wheel	Diameter	203mm(8")		304mm(12")	355mm(14")		
	Width	12.7mm(0.5") max.19mm(0.75)	19mm(0.75") max.25mm(1")	31.75mm (1.25")	50mm(2")		
	Bore	31.75mm(1.25")		76.2mm(3")	127mm(5")		
Hydraulic motor	Power rating	1.0HP	2.0HP		3HP		
Crossfeed motor	Power rating	120W / DCV			120W / DCV		
Elevating motor	Power rating	120W / DCV	120W / DCV				
Total space required (L x W x H)		1810 x 1285 x 1680mm (71 x 50.5 x 66")	2400 x 1450 x 1750mm (94.5 x 57 x 68.13)	2700 x 1600 x 1850mm (106.5x 63x 73")	2950 x 1970 x 2050mm (116 x 78 x 81")	3290 x 1970 x 2050mm (116 x 78 x 81")	4020 x 2200 x 2050mm (158 x 87 x 81")
Weights	Net weight	1205KGS(2651LBS)	1810KGS(3982LBS)	1990KGS(4378LBS)	3020KGS(6644LBS)	3606KGS(7933LBS)	4040KGS(8888LBS)
	Gross weight	1375KGS(3025LBS)	2160KGS(4752LBS)	2290KGS(5038LBS)	3520KGS(7744LBS)	4256KGS(9363LBS)	4720KGS(10384LBS)
Rated power approx		4HP	5.5HP	8.25HP	9HP(Spindle motor : 5HP), 11.5HP(Spindle motor : 7.5HP),14HP(Spindle motor :10HP)		
Packing dimensions	L x W x H		200 x 154 x 193mm (79 x 61 x 76")	248 x 206 x 210mm (98 x 81 x 83")	248 x 214 x 210mm (98 x 84 x 83")	280 x 229 x 222mm (110 x 90 x 88")	325 x 229 x 222mm (128 x 90 x 88")