

PRECISION GRINDING MACHINES

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Surface Grinders - STP Series



STP-2040ADS



STP-1428ADS

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M : Manual downfeed, rapid up & down

ADH : Auto downfeed by hydraulic

ADS : Auto downfeed by stepping motor & Mitsubishi PLC control with touch screen

NC : Auto downfeed by servo motor & Mitsubishi PLC control with touch screen & MPG

Unit:mm (inch)

DESCRIPTION/MODEL		STP-1022	STP-1428	STP-1834	STP-2040	STP-2060
General Capacity	Table Size	200x500(8"x20")	300x600(12"x24")	400x800(16"x32")	500x1000(20"x40")	500x1500(20"x60")
	Max. grinding length	550(22")	650(26")	850(34")	1050(42")	1550(62")
	Max. grinding width	210(8")	310(12")	410(16")	510(20")	
	Dis. table surface to spindle center	415(16")	510(20")	510(20")	600(24")	
	Max. table load(incl.chuck)	300kgs(660 lbs)	400kgs(880 lbs)	580kgs(1300 lbs)	850kgs(1870 lbs)	1100kgs(2420 lbs)
	Standard mag. chuck size	200x500(8"x20")	300x600(12"x24")	400x800(16"x32")	500x1000(20"x40")	500x1500(20"x60")
Longitudinal movement	Manual traverse	620(24")	710(28")	960(38")	1200(47")	1700(67")
	Hydraulic traverse	570(22")	650(26")	920(36")	1150(45")	1650(65")
	Table speed(infi. variable)	3-25 M/min(10-82 feet/min)				
Cross movement	Manual travel	250(10")	345(14")	460(18")	560(22")	
	Rapid traverse(60HZ/50HZ)	960/800mm/min (37.8/31.5 in/min)		1200/1000mm	1710/1425mm/min(67.3/56.1in/min)	
	Automatic increment feeds	0.5-8(0.02"-0.32")			2-10(0.08"-0.4")	
	Handwheel per graduation	0.02(0.001")				
	Handwheel per revolution	4(0.2")		5(0.2")		
Vertical downfeed	Rapid traverse(60HZ/50HZ)	190/160mm/min(7.5/6.3in/min)			285/240mm/min(11.2/9.4 in/min)	
	Automatic downfeed (ADH)	0.002/0.006/0.01(0.0001"/0.0003"/0.0005")		0.001/0.003/0.005 (0.00005"/0.00015"/0.00025")		
	Automatic downfeed (ADS)	0.001-0.099 (0.0001"-0.0999")				
	Handwheel per graduation	0.002(0.0001")		0.001(0.00005")		
	Handwheel per revolution	0.2(0.01")		0.1(0.005")		
Grinding wheel	Dia x width x bore					Ø355x50xØ127(14"x2"x5")
	Spindle speed(60HZ/50HZ)	3420/2850 rpm	1710/1425 rpm	1710/1425 rpm		
Motor	Spindle motor	2 HP	3 HP	5HP	7.5 HP	10 HP
	Crossfeed motor	1/5 HP			1/4 HP	
	Elevating motor	1/4 HP			½ HP	
	Hydraulic motor	1 HP	2 HP	3HP		5 HP
Machine	Net Weight	1300kgs (2860 lbs)	1750kgs (3850 lbs)	3500kgs (7700 lbs)	4700kgs (10340 lbs)	6560kgs (14432 lbs)
	Gross Weight	1500kgs (3300 lbs)	2050kgs (4510 lbs)	3800kgs (8360 lbs)	5100kgs (11220 lbs)	7000kgs (15400 lbs)
	Packing dimension (L x W x H)	1820x2250x2250 (72"x89"x89")	1970x2250x2250 (78"x89"x89")	2730x2250x2250 (107"x89"x89")	3340x2280x2550 (131"x90"x100")	4520x2280x2550 (178"x90"x100")