



SURFACE GRINDER STP SERIES



STP-1428ADS



STP-2040ADS

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

SPECIFICATIONS

Unit:mm (inch)

DESCRIPTION / MODEL		STP-1022	STP-1428	STP-1834	STP-2040	STP-2060
General capacity	Table size	200 x 500 (8" x 20")	300 x 600 (12" x 24")	400 x 800 (16" x 32")	500 x 1000 (20" x 40")	500 x 1500 (20" x 60")
	Max. grinding length	550 (22")	650 (26")	850 (34")	1050 (42")	1550 (62")
	Max. grinding width	210 (8")	310 (12")	410 (16")	510 (20")	
	Distance from table surface to spindle center	415 (16")	510 (20")	510 (20")	600 (24")	
	Max. table load (incl. chuck)	300 kgs (660 lbs)	400 kgs (880 lbs)	580 kgs (1300 lbs)	850 kgs (1870 lbs)	1100 kgs (2420 lbs)
	Standard mag. chuck size	200 x 500 (8" x 20")	300 x 600 (12" x 24")	400 x 800 (16" x 32")	500 x 1000 (20" x 40")	500 x 1500 (20" x 60")
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 / 800 mm / min (37.8 / 31.5 in / min)		1200 / 1000 mm / min (47.2 / 40 in / min)	1710 / 1425 mm / min (67.3 / 56.1 in / 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 / 160 mm/ min (7.5 / 6.3 in / min)			285 / 240 mm / 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	Ø205 x 22 x Ø32 (8" x 7/8" x 1 - 1/4")	Ø305 x 31 x Ø76 (12" x 1 - 1/4" x 3")	Ø355 x 50 x Ø127 (14" x 2" x 5")		
	Spindle speed (60HZ / 50HZ)	3420 / 2850 rpm	1710 / 1425 rpm	1710 / 1425 rpm		
Motor	Spindle motor	2 HP	3 HP	5 HP	7.5 HP	10 HP
	Crossfeed motor	1 / 5 HP			1 / 4 HP	
	Elevating motor	1 / 4 HP			1 / 2 HP	
	Hydraulic motor	1 HP	2 HP	3 HP		5 HP
Machine	Net Weight	1300 kgs (2860 lbs)	1750 kgs (3850 lbs)	3500 kgs (7700 lbs)	4700 kgs (10340 lbs)	6560 kgs (14432 lbs)
	Gross Weight	1500 kgs (3300 lbs)	2050 kgs (4510 lbs)	3800 kgs (8360 lbs)	5100 kgs (11220 lbs)	7000 kgs (15400 lbs)
	Packing dimension (L x W x H)	1820 x 2250 x 2250 (72" x 89" x 89")	1970 x 2250 x 2250 (78" x 89" x 89")	2730 x 2250 x 2250 (107" x 89" x 89")	3340 x 2280 x 2550 (131" x 90" x 100")	4520 x 2280 x 2550 (178" x 90" x 100")