

THE FINEST SOLUTION

Superette

**Precision
Grinding Machine**



STP-1428ADS



STP-2040ADS

DESCRIPTION / MODEL	
General capacity	Table size
	Max. grinding length
	Max. grinding width
	Distance from table surface to spindle center
	Max. table load (incl. chuck)
Longitudinal movement	Standard mag. chuck size
	Manual traverse
	Hydraulic traverse
Cross movement	Table speed (infi. variable)
	Manual travel
	Rapid traverse (60HZ / 50HZ)
	Automatic increment feeds
	Handwheel per graduation
Vertical downfeed	Handwheel per revolution
	Rapid traverse (60HZ / 50HZ)
	Automatic downfeed (ADH)
	Automatic downfeed (ADS)
	Handwheel per graduation
Grinding wheel	Handwheel per revolution
	Dia x width x bore
Motor	Spindle speed (60HZ / 50HZ)
	Spindle motor
	Crossfeed motor
	Elevating motor
Machine	Hydraulic motor
	Net Weight
	Gross Weight
	Packing dimension (L x W x H)

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)

STP-1022	STP-1428	STP-1834	STP-2040	STP-2060
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")
550 (22")	650 (26")	850 (34")	1050 (42")	1550 (62")
210 (8")	310 (12")	410 (16")	510 (20")	
415 (16")	510 (20")	510 (20")	600 (24")	
300 kgs (660 lbs)	400 kgs (880 lbs)	580 kgs (1300 lbs)	850 kgs (1870 lbs)	1100 kgs (2420 lbs)
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")
620 (24")	710 (28")	960 (38")	1200 (47")	1700 (67")
570 (22")	650 (26")	920 (36")	1150 (45")	1650 (65")
3-25 M / min (10-82 feet / min)				
250 (10")	345 (14")	460 (18")	560 (22")	
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)	
0.5 ~ 8 (0.02" ~ 0.32")		2 ~ 10 (0.08" ~ 0.4")		
0.02 (0.001")				
4 (0.2")		5 (0.2")		
190 / 160 mm / min (7.5 / 6.3 in / min)			285 / 240 mm / min (11.2 / 9.4 in / min)	
0.002 / 0.006 / 0.01 (0.0001" / 0.0003" / 0.0005")		0.001 / 0.003 / 0.005 (0.00005" / 0.00015" / 0.00025")		-
0.001 ~ 0.099 (0.0001" ~ 0.0999")				
0.002 (0.0001")		0.001 (0.00005")		
0.2 (0.01")		0.1 (0.005")		
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")		
3420 / 2850 rpm	1710 / 1425 rpm	1710 / 1425 rpm		
2 HP	3 HP	5 HP	7.5 HP	10 HP
1 / 5 HP			1 / 4 HP	
1 / 4 HP			1 / 2 HP	
1 HP	2 HP	3 HP		5 HP
1300 kgs (2860 lbs)	1750 kgs (3850 lbs)	3500 kgs (7700 lbs)	4700 kgs (10340 lbs)	6560 kgs (14432 lbs)
1500 kgs (3300 lbs)	2050 kgs (4510 lbs)	3800 kgs (8360 lbs)	5100 kgs (11220 lbs)	7000 kgs (15400 lbs)
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")



SURFACE GRINDER PLANOTE

**300 x 600 (12" x 24"), 400 x 800 (16" x 32")
and 500 x 1000 (20" x 40") three axes
fully automatic surface grinders**

Heavy duty 5/ 7.5 HP
spindle motor

Hydrodynamic oil
system on the
longitudanal and
crossfeed ways

Precision ballscrews
on the downfeed and
crossfeed

Metal telescoping way cover
on the front of the machine

Supertec

Minimum downfeed
increment of 0.0001mm

AC servo motor on
the downfeed

Mitsubishi menu driven
PLC control with color
LCD touch screen



PLANOTEC 1224NC

C SERIES

Unit:mm (inch)

DESCRIPTION / MODEL		1224NC	1632NC	2040NC
General capacity	Table size	300 X 600 (12" X 24")	400 x 800 (16" x 32")	500 X 1000 (20" x 40")
	Max. grinding length	600 (24")	800 (32")	1000 (40")
	Max. grinding width	300 (12")	400 (16")	500 (20")
	Standard mag. chuck size	300 X 600 (12" X 24")	400 x 800 (16" x 32")	500 x 1000 (20"x 40")
	Distance from table surface to spindle center	550 (22")		
Longitudinal movement	Hydraulic traverse	650 (26")	850 (34")	1150 (45")
	Manual traverse	700 (28")	900 (36")	1200 (47")
	Table speed (infi. variable)	3 ~ 25 M / min (10~82 feet / min)		
Cross movement	Rapid traverse	1000 mm / min (40 inch / min)		
	Automatic traverse increment	0.5 ~ 8 (0.02" ~ 0.32")		2 ~ 10 (0.08" ~ 0.39")
	Automatic cross traverse	360 (14")	460 (18")	550 (22")
	Manual cross traverse	370 (14.5")	470 (18.5")	560 (22")
	Handwheel per revolution	5 (0.2")		
	Handwheel per graduation	0.02 (0.001")		
Vertical downfeed	Automatic downfeed	0.0001 ~ 0.3 (0.000010" ~ 0.01")		
	Handwheel per revolution (MPG)	0.01 / 0.1 / 1 (0.001" / 0.01" / 0.1")		
	Handwheel per graduation (MPG)	0.0001 / 0.001 / 0.01(0.000010" / 0.0001" / 0.001")		
Grinding wheel	Dia. x width x bore	Ø355 x 50 x Ø127 (14" x 2" x 5")		
	Spindle speed (60HZ / 50HZ)	1800rpm / 1500 rpm		
Motor	Spindle motor	5 HP (opt. 7.5 HP)		7.5HP (opt. 10 HP)
	Crossfeed motor	1 / 4 HP (6 P)		
	Elevating motor	1 KW		
	Hydraulic motor	2 HP (6 P)		
Machine	Net weight	4050 kgs (8910 lbs)	4500 kgs (9900 lbs)	4800 kgs (10560 lbs)
	Gross weight	4500 kgs (9900 lbs)	5100 kgs (11220 lbs)	5400 kgs (11880 lbs)
	Packing dimension (L x W x H)	2850 x 2250 x 2550 (112" x 89" x 100")	3030 x 2280 x 2550 (119" x 90" x 100")	3330 x 2280 x 2550 (131" x 90" x 100")



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