

THE FINEST SOLUTION

PS&J
Supertec

**Precision
Grinding Machine**



G20P-50NC



G32P-60NC

DESCRIPTION

General capacity

Grinding wheel

Wheelhead

Workhead

Tailstock

Table

Internal grinding

Motor

Machine

VENTIONAL SERIES

Unit:mm (inch)

MODEL	G20P-50M / NC	G25P-50H / NC	G32P / G38P / G45P-60 / 100 / 150 / 200 H / NC			
Distance between centers	500 (20")	500 (20")	600 (24")	1000 (40")	1500 (60")	2000 (80")
Swing over table	Ø220 (Ø8.8")	Ø260 (Ø10.2")	Ø320 / Ø380 / Ø450 (Ø12.6" / Ø15" / Ø18")			
Max. grinding diameter	Ø200 (Ø8")	Ø250 (Ø10")	Ø300 / Ø360 / Ø430 (Ø12" / Ø14" / Ø17")			
Max. load held between center	80 kgs (176 lbs)		150 kgs (330 lbs)			
Diameter X width X bore	Ø355 x 38 x Ø127 (Ø14" x 1.5" x Ø5")		Ø405 x 50 x Ø127 (Ø16" x 2" x Ø5")			
spindle speed (60HZ / 50HZ)	1620 / 1960	1800	1650			
Swivelling angle(R&L)	Fixed	±30°	±30°			
Infeed travel	160 (6.3)	135 (5.3")	245 (9.6")			
Hand feed travel	160 (6.3)	90 (3.5")	200 (7.9")			
Top slide travel			180 (7")			
Automatic rapid travel			45 (1-3 / 4")			
Auto increment infeed (NC model)			Ø0.001 ~ Ø0.999 (Ø0.001" ~ Ø0.0999")			
Handwheel per graduation	Ø0.005 (Ø0.0002")		Ø0.004 (Ø0.0002")			
Handwheel per revolution			Ø2 (0.1")			
Swivelling angle(R&L)	± 45°		90°			
Center taper	MT 3 (opt. 5C)		MT 4 (opt. MT5, 5C)			
Spindle speed	150 / 264 / 156 / 480 rpm		30 ~ 350 rpm (variable speeds)			
Center taper	MT 3		MT 4 (opt. MT5)			
Quill travel			25 (1")			
Swivelling angle (R&L)	± 8°		± 9°	± 7°	± 5°	± 3°
Traverse speed	80 / 140 / 230 (3" / 5.5" / 9")	30 ~ 7000 mm / min (1 - 1 / 5 ~ 275 in / min)				
Handwheel per revolution	9 (0.35")		10 (4")			
Spindle speed	14000 rpm or 25000 rpm		12000 / 18000 rpm or 25000 rpm			
Max. grinding bore	Ø24 ~ 70 (Ø0.95" ~ 2.76")		Ø30 ~ 100 (Ø1.18" ~ 3.94") or Ø20 ~ 50 (Ø0.79" ~ 1.97")			
Max. grinding length	70 (2.8")		110 (4.3") or 55 (2.2")			
Max. chucking length	275 (10.8")		315 (12.4")			
Max. chucking diameter	Ø110 (Ø4")		Ø150 (Ø6")			
Wheel spindle motor	3 HP (4P)	5 HP (4P)	7.5 HP (4P)			
Workhead motor	1 / 2 HP (4P)		2 HP (4P)			
Coolant pump	1 / 8 HP (4P)		1/4 HP (2P)			
Hydraulic pump	-		2 HP (4P)			
Internal grinding motor	1 / 2HP (2P)		2 HP (4P)			
Net weight	1850 kgs (4070 lbs)	2800 kgs (6160 lbs)	3500 kgs (7700 lbs)	3600 kgs (7920 lbs)	4700 kgs (10340 lbs)	6000 kgs (13200 lbs)
Gross weight	2250 kgs (4950 lbs)	3200 kgs (7040 lbs)	4000 kgs (8800 lbs)	4700 kgs (10340 lbs)	5600 kgs (12320 lbs)	6780 kgs (14916 lbs)
Packing dimension (L X W X H)	2220 X 1370 X 1880 (87" X 54" X 74")	2280 X 2280 X 1940 (90" X 90" X 76")	3030 X 2250 X 2030 (119" X 89" X 80")	3030 X 2250 X 2030 (119" X 89" X 80")	4030 X 2250 X 2030 (159" X 89" X 80")	5220 X 2250 X 2030 (206" X 89" X 80")



TAIWAN SUPERTEC MACHINERY, INC.

No. 96, Sec. 1, Chung-Teh 2nd Rd.,
Taichung 406, Taiwan,
Tel:(886-4)22 45 30 68 Fax:(886-4)22 43 90 58
E-mail: sales@supertec.com.tw
<http://www.supertec.com.tw>

U.S.A. SUPERTEC MACHINERY, INC.

6435 Alondra Blvd., Paramount, CA, 90723
Tel:(562)220-1675 Fax:(562)220-1677
[http:// www.supertecusa.com](http://www.supertecusa.com)
E-mail: info@supertecusa.com