



**SUPERTEC<sup>®</sup>** *Since 1954*

# CENTERLESS GRINDER



DESCRIPTION		MODEL	STC-12	STC-18/18CNC	STC-20/20CNC	STC-24/24CNC	
GRINDING CAPACITY	Work diameter (with standard workrest)		Ø 1~30mm (0.04"~1.18")	Ø 1~80mm (0.04"~3.15")	Ø 1~80mm (0.04"~3.15")	Ø 1~80mm (0.04"~3.15")	
	Work diameter (with special workrest)		Ø 30~50mm (1.18"~2")	Ø 80~100mm (3.15"~4")	Ø 80~120mm (3.15"~4.72")	Ø 80~150mm (2.36"~6")	
	Auto infeed increment (CII model)		0.001~99.999	0.001~99.999	0.001~99.999	0.001~99.999	
GRINDING WHEEL	Wheel size (d x w x b)		305 × 150 × 120mm (12" × 6" × 5")	455 × 205/255/305 × 228.6mm (18" × 8/10/12" × 9")	508 × 205/255/305 × 255mm (20" × 8/10/12" × 10")	610 × 205~500 × 305mm (24" × 8~20" × 12")	
	Spindle speeds		1900rpm	1520rpm	1350rpm	1050rpm	
	Dressing increment	per graduation		0.02mm (0.0005")	0.01mm (0.0005")	0.01mm (0.0005")	0.01mm (0.0005")
		per revolution		2mm (0.05")	2mm (0.0625")	2mm (0.0625")	2mm (0.0625")
REGULATING WHEEL	Wheel size (d x w x b)		205 × 150 × 90mm (8" × 6" × 3.5")	255 × 205/255/305 × 111.2mm (10" × 8/10/12" × 4-3/8")	305 × 205/255/305 × 127mm (12" × 8/10/12" × 5")	355 × 205~500 × 152.4mm (14" × 8~20" × 6")	
	Spindle speeds (Infinitely variable)		10~300rpm	10~300rpm	10~300rpm	10~300rpm	
	Handwheel	per graduation		0.04mm (0.002")	0.05mm (0.002")	0.05mm (0.002")	0.05mm (0.002")
		per revolution		4mm (0.2")	3.5mm (0.2")	3.5mm (0.2")	3.5mm (0.2")
	Swivelling angle		±5°	±5°	±5°	±5°	
	Inclining angle		+5° ~ -3°	+5° ~ -3°	+5° ~ -3°	+5° ~ -3°	
	Dressing increment	per graduation		0.02mm (0.0005")	0.01mm (0.0005")	0.01mm (0.0005")	0.01mm (0.0005")
		per revolution		2mm (0.05")	2mm (0.0625")	2mm (0.0625")	2mm (0.0625")
	Rapid feeding of saddle handwheel	per graduation		0.02mm (0.00125")	0.05mm (0.002")	0.05mm (0.002")	0.05mm (0.002")
		per revolution		7mm (0.25")	9mm (0.25")	9mm (0.25")	9mm (0.25")
Micro feeding of saddle handwheel	per graduation		0.001mm (0.00005")	0.001mm (0.00005")	0.001mm (0.00005")	0.001mm (0.00005")	
	per revolution		0.2mm (0.005")	0.2mm (0.00625")	0.2mm (0.00625")	0.2mm (0.00625")	
MOTORS	Grinding wheel motor		7.5 HP / 10 HP	15 HP / 20 HP	20 HP / 25 HP	20 / 30 / 40 HP	
	Hydraulic motor		2 HP	2 HP	2 HP	3 HP	
	Regulating Wheel Servo Motor (S model)		2 kw	3 kw	3 kw	3 kw	
	Infeed servo motor (CII model)		1 kw / 8 P	1 kw / 8 P	1 kw / 8 P	1 kw / 8 P	
WEIGHT	Net (Approx.)		1200 kg (2640 lb)	2850 kg (6270 lb)	3000 kg (6600 lb)	5900 kg (12980 lb)	
	Gross (Approx.)		1500 kg (3300 lb)	3150 kg (6930 lb)	3400 kg (7480 lb)	6300 kg (13860 lb)	
PACKING	Length x Width x Height		1700 × 1460 × 1550mm (67" × 58" × 61")	2730 × 2240 × 1850mm (108" × 89" × 73")	2730 × 2240 × 1850mm (108" × 89" × 73")	3060 × 2240 × 1900mm (120" × 89" × 75")	

\* Figures of weight & packing are for conventional machine only.

\* Catalogue contents are for reference only and specifications are subject to change without any further notice.

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