



GRINDERS

COMPANY PROFILE

POWER MEETS PRECISION.



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OUR VISION

POWER MEETS PRECISION SINCE 1954

ST Grinders is the exclusive North American importer and supplier of premium CNC grinding machines from ST Grinders Taiwan, a world-renowned manufacturer with over 70 years of expertise, now proudly managed by the third generation of the founding family.

Founded in 1954 and known worldwide for its high-precision, high-efficiency solutions, ST Grinders Taiwan has sold over 15,000 units and built a reputation as Taiwan's top manufacturer of cylindrical, centerless, internal, vertical, and surface grinders—competing successfully on the global stage. Serving manufacturers throughout the United States, Canada, and Mexico, our experienced team delivers personalized sales support, expert engineering guidance, and responsive technical service to ensure your production operates at peak efficiency with reliable, advanced grinding technology that emphasizes exceptional accuracy, user-friendly operation, and long-term durability.

Customers choose ST Grinders because our imported grinders perform equal to or better than other world-class grinder manufacturers—delivering superior performance, extended service life, and significant cost savings—while backed by fast parts and knowledgeable local support. Whether your industry is in automotive, aerospace, medical, energy, or general manufacturing, ST Grinders partners with you to achieve flawless part quality, higher throughput, and lower overall production costs through state-of-the-art grinding solutions trusted globally for decades.

70+ YEARS

OF POWER & PRECISION

G SERIES OD CYLINDRICAL (CNC)

Plunge



		G20P/G25P-50 CNC			G32P/G38P/G45P-50/60/75/100/150/200 CNC					
General Capacity	Swing Over Table	mm	ø200	ø250	ø320 / ø380 / ø450					
	Distance Between Centers	mm	500		500	600	750	1000	1500	2000
	Maximum Grinding Diameter	mm	ø200	ø250	ø300 / ø360 / ø430					
	Maximum Load Between Centers	kg	80		150					
Grinding Wheel	Diameter x Width x Bore	mm	ø355x38xø127	ø405x50xø127	ø510 / ø50 / ø152.4					
	Wheel Speed	rpm	1940	1650	1390					
	Maximum Peripheral Speed	M/min	1800		1800					
Wheel Head	Sliding Angle Degree		90°		90°					
	Automatic Rapid Traverse	M/min	ø4		ø4					
	Infeed Travel	mm	150	160	225					
	Minimum Increment Infeed	mm			ø0.001					
Work Head	Spindle Speed (Variable)	rpm	50~500		30~350					
	Center Taper	MT	MT 3		MT 4 (Opt. MT 5)					
	Spindle Type		Fixed & Rotary		Fixed & Rotary					
	Diameter of Bore	mm	ø20		ø23					
Tailstock	Quill Travel	mm			25					
	Center Taper	MT	MT 3		MT 4 (Opt. MT 5)					
	Rapid Feedrate	M/min	8		8					
Table	Minimum Increment Feed	mm			0.001					
	Swivelling Angle (CCW)		7°		9°		7°		5°	3°
Motor	Wheel Spindle Motor	HP	5	5/7.5	7.5 (Opt. 10)					
	Workhead Motor	HP	1/2		2					
	Hydraulic Pump	HP	1/4		1/4					
	Spindle Pump	HP	N/A	N/A or 1/4	1/4					
	Lubrication Pump	HP	N/A	N/A or 1	1					
	Coolant Pump	HP	1/8	1/4	1/4 + 1/8					
	Wheel (X Axis) Motor	KW(Fanuc)			1.2					
	Wheel (Z Axis) Motor	KW(Fanuc)			1.2					
Machine	Net Weight (Semi Enclosed)	kg	2500	3100	5200	5600	5800	5800	6300	6700
	Gross Weight	kg	2800	3500	5600	6420	7000	7500	7800	8200
	Packing Dimensions (L x W x H)	mm	2700x2250x2220	2970x2250x2250	4250x2280x2260	4760x2280x2260	3780x2300x2040	5280x2280x2310	5610x2280x2310	6360x2280x2310

Angle Head

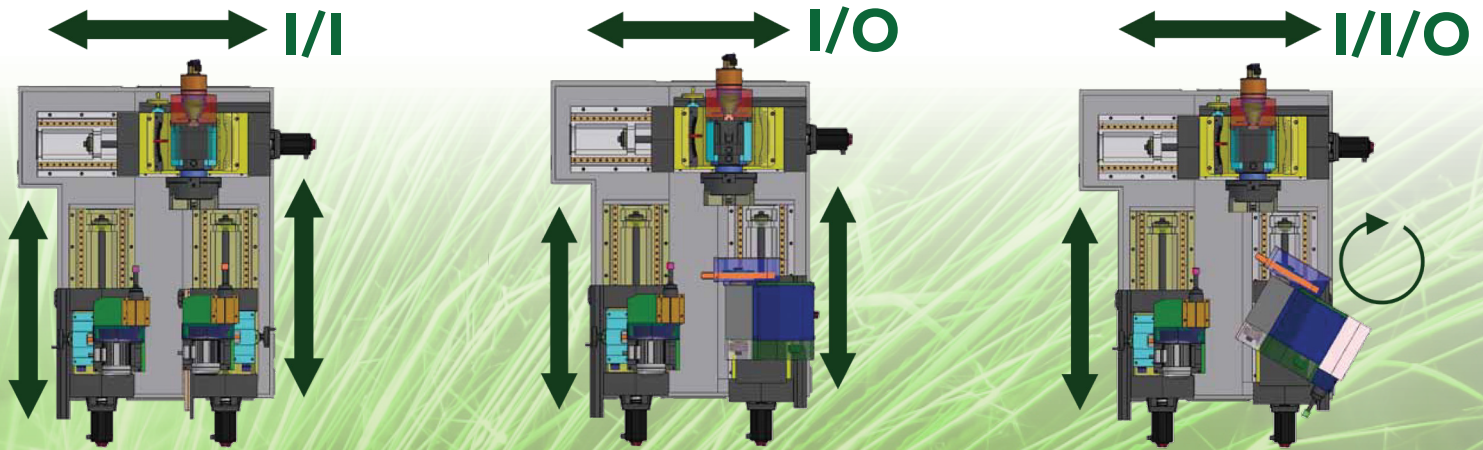


		G25A-35 CNC		G32A/G38A/G45A-35/50/80/120 CNC				
General Capacity	Swing Over Table	mm	ø250	ø320 / ø380 / ø450				
	Distance Between Centers	mm	350	350	500	800	1200	
	Maximum Grinding Diameter	mm	ø250	ø300 / ø360 / ø430				
	Maximum Load Between Centers	kg	80	150				
Grinding Wheel	Diameter x Width x Bore	mm	ø455x50xø127	ø510 / ø50 / ø152.4				
	Wheel Speed	rpm	1650	1390				
	Maximum Peripheral Speed	M/min	1800	1800				
Wheel Head	Sliding Angle Degree		60°	60°				
	Automatic Rapid Traverse	M/min	ø4	ø4				
	Infeed Travel	mm	160	225				
	Minimum Increment Infeed	mm	ø0.001					
Work Head	Spindle Speed (Variable)	rpm	50~500					
	Center Taper	MT	MT 3	MT 4 (Opt. MT 5)				
	Spindle Type		Fixed & Rotary	Fixed & Rotary				
	Diameter of Bore	mm	ø20	ø23				
Tailstock	Quill Travel	mm						
	Center Taper	MT	MT 3	MT 4 (Opt. MT 5)				
Table	Rapid Feedrate	M/min	8	8				
	Minimum Increment Feed	mm						
	Swivelling Angle (CCW)		7°	9°	7°	5°		
Motor	Wheel Spindle Motor	HP	7.5	7.5 (Opt. 10)				
	Workhead Motor	HP	1/2	2				
	Hydraulic Pump	HP	1/4	1/4				
	Spindle Pump	HP	1/4	1/4				
	Lubrication Pump	HP	1	1				
	Coolant Pump	HP	1/4	1/4 + 1/8				
	Wheel (X Axis) Motor	KW(Fanuc)	1.2					
	Wheel (Z Axis) Motor	KW(Fanuc)	1.2					
Machine	Net Weight (Semi Enclosed)	kg	3100	5200	5600	5800	6300	
	Gross Weight	kg	3500	5600	6420	7500	7800	
	Packing Dimensions (L x W xH)	mm	2970x2250x2250	4250x2280x2260	4760x2280x2260	5280x2280x2280	5610x2280x2310	

GM SERIES INTERNAL (CNC)



		GM-45 CNC	GM-80 CNC	
General Capacity	ID Grinding Range	mm	ø6~ø400 (ø0.2"~ø15.7")	ø6~ø600 (ø0.2"~ø23.6")
	Max Grinding OD Diameter	mm	ø450 (17.7")	ø800 (31.5")
	Swing Over Work Head	mm	ø500 (19.7")	ø820 (32.3")
	Max Weight of Workpiece	kg	50	80
	Type of Wheel Head		Dual Independent Wheel Head (Y/Z)	
Work Head Closed Loop System	Type of Chuck	IN	6" 3-Jaw Chuck	8" 3-Jaw Chuck
	Travel (X)		600	600
	Rapid Feedrate	m/min	10 m/min	10 m/min
	Min. Infeed Increment		0.0001	0.0001
	X-Axis Servo Motor	kw	1.8 kw (Fanuc)	1.8 kw (Fanuc)
	Spindle Motor	kw	3 kw	3 kw
	Spindle Speed (Variable)	rpm	0~1000 rpm	0~1000 rpm
Swiveling Angle (Manual)		C.W. 30°/C.C.W. 30°	C.W. 30°/C.C.W. 30°	
ID/OD Wheel Head (Y-Axis)	ID Wheel Size		ø38 x 38 ø8.2 (ø1.5" x 1.5" x ø0.3")	
	ID Spindle Motor	kw	2.2 kw (2P)	2.2 kw (2P)
	ID Spindle Speed	rpm	8000/15,000/20,000/30,000 rpm	
	OD Wheel Size		Opt. ø405 x 50 x ø127 (ø16" x 2" x ø5")	
	OD Spindle Motor	kw	3.7 kw (4P)	3.7 kw (4P)
	Swiveling Mechanism (I/I/O)		N/A	Automatic Swivel
	B-Axis Swiveling Servo Motor	kw	1.2 kw (Fanuc)	1.2 kw (Fanuc)
	Angle		20° Fix	-30° +210°
	Travel (Y)	mm	500 (20")	500 (20")
	Y-Axis Servo Motor	kw	1.8 kw (Fanuc)	1.8 kw (Fanuc)
	Rapid Feedrate	m/min	10 m/min	10 m/min
Min. Infeed Increment		0.0001	0.0001	
ID Wheel Head (Z-Axis)	ID Wheel Size	HP	ø38 x 38 ø8.2 (ø1.5" x 1.5" x ø0.3")	
	ID Spindle Motor	kw	2.2 kw (2P)	2.2 kw (2P)
	ID Spindle Speed	rpm	8000/15,000/20,000/30,000 rpm	
	Travel (Z)	mm	500 (20")	500 (20")
	Z-Axis Servo Motor	kw	1.8 kw (Fanuc)	1.8 kw (Fanuc)
	Rapid Feedrate	m/min	10 m/min	10 m/min



	GM-I/I Type	GM-I/O Type	GM-I/I/O Type	GI Type
FANUC CNC Controller	Oi-TD			0iM-TD
Coolant System	Coolant System w/Mag. Separator & Paper Filter (260L)			Coolant Sys. w/ Mag. Separator & Paper Filter (140L)
Oil Mist Separator	Standard			Optional
Operation Manual & Parts List	Standard			Standard
Balancing Stand + Arbor	N/A	Standard		Standard
Diamond Dresser w/ Stand	Single Point x4	Single Point x2 + Axe Style x1	Single Point x4 + Axe Style x1	Single Point x2
Z Axis: 10,000rpm ID Spindle w/ Shaft	Standard			Z&X Axis: 30,000rpm w/ Shaft
Y Axis: 20,000rpm ID Spindle w/ Shaft	Standard	N/A	Standard	
Swivelling Wheelhead (B Axis) w/ Rotary Encoder	N/A	N/A	Standard	N/A
OD Grinding Wheel 405x50x127mm	N/A	Standard		N/A
Wheel Flange (5")	N/A	Standard		N/A
A2-5 Spindle Nose + 6"Hyd. Chuck	Standard for GM-45		N/A	Standard
A2-6 Spindle Nose + 8"Hyd. Chuck	Standard for GM-45		N/A	N/A
A2-6 Spindle Nose + 8"Hyd. Chuck	Standard for GM-80			N/A
A2-8 Spindle Nose + 10"Hyd. Chuck	Optional for GM-80			N/A
Touch Probe	Optional	Standard		Optional
ID: Current Type Gap/Crash Control	Standard			N/A
OD: Gap/Crash Control	N/A	Optional		N/A

GI SERIES INTERNAL (CNC)



GI-150 CNC			
General Capacity	ID Grinding Range	mm	ø6~ø150 (ø0.25"~ø6")
	Max Grinding Depth	mm	125 (5")
	Max Swing to Dresser	mm	ø220 (8.6")
	Swing of Chuck Cover	kg	ø260 (10.2")
	Spindle Center Height		1050 (41.3")
	Type of Chuck	in	6" Hydraulic Chuck (Opt. 8")
	Max Loading		50 kg
Work Head	Spindle Speed (Variable)	rpm	0~1000 rpm
	Swiveling Angle		C.W. 15° ~ C.C.W. 5°
	Spindle Motor	kw	1.5 kw
X-Axis	Feedback System		Closed Loop
	Stroke	rpm	200 (7.9")
	Rapid Traverse Speed	m/min	10 m/min
	Min. Infeed Increment		0.0001
	X-Axis Servo Motor (X)	kw	1.2 kw
Z-Axis	ID Spindle Motor	kw	2.2 kw (2P)
	ID Spindle Speed		8000/15,000/20,000/30,000 rpm
	Stroke	kw	560 (22")
	Z-Axis Driven by Z	kw	Servo Motor 1.8 kw
	Rapid Traverse Speed	m/min	10 m/min
	Min. Infeed Increment		0.0001
Coolant System	Equipments		Electro Magnet Separator (Opt. Paper Filter)
	Tank Volume	L	120 L
	Capacity	L/min	40 L/min
	Motor	kw	0.1 kw (4P)
Lubricant System	Tank Volume	L	2 L
	Motor	w	45 w
Hydraulic System	Tank Volume	L	26 L
	Motor	HP	1 HP (4P)
Dimension /Weight	Machine Cover Type	kw	Full Enclosure Splash Guard / Manual Door
	Net Weight	kgs	3500 kgs
	Gross Weight	kgs	4000 kgs
	Packing (L x W x H)	mm	2980 x 2280 x 2250mm

PMG UNIVERSAL CYLINDRICAL (CNC)



		PMG-60 / 100 CNC		PMG-150 CNC		
General Capacity	Swing Over Table	mm	ø360 mm			
	Distance Between Centers	mm	600 mm	1000 mm	1500 mm	
	Max Grinding Length	mm	500 mm	800 mm	1200 mm	
	Max Grinding Diameter	mm	ø300mm			
	Max Weight Between Centers	kg	150 kg			
Wheel Head	Wheel Size - LH (D x W x B)	mm	ø455 x 50 x 127 mm			
	Wheel Size - RH (D x W x B)	mm	ø355 x 38 x 127 mm			
	OD Spindle Speed 50/60 Hz	rpm	1575 / 1795 rpm			
	Wheel Peripheral Speed	m/sec	33 m/sec			
	ID Spindle Speed	rpm	24,000 rpm (High Frequency Built-in)			
	Feed Angle		90°			
	Max Traverse Speed	m/min	6 m/min (236 in/min)			
	Min Programmable Increment	mm	ø0.001 mm			
Work Head	Total Stroke	mm	246 mm			
	Spindle Speed (Variable)	rpm	30~350 rpm			
Tailstock	Center Taper		MT4 (Opt. MT5)			
	Quill Stroke	mm	50 mm			
Table	Center Taper		MT4 (Opt. MT5)			
	Swiveling Angle (CCW)		5°	3°	5°	3°
	Max Traverse Speed	m/min	10 m/min (393 in/min)			
	Min. Feed Unit Set	mm	0.001 mm			
Motors	Controller		Fanuc Oi-TF			
	OD Spindle Motor	HP	7.5 HP			
	B-Axis Servo Motor	kw	2.7 kw			
	Workhead Spindle Motor	kw	1.5 kw	3 kw		
	Frequency Spindle Motor	kw	6 kw			
	Hydraulic Motor	HP	1 HP (4P)			
	Coolant Pump	HP	1/2 HP (4P)			
	X-Axis Feed Servo Motor (X)	kw	1.6 kw	2.7 kw		
	Z-Axis Feed Servo Motor (Z)	kw	1.6 kw			
Machine	Packing Dimensions (L x W x H)	mm	4663 (100=5273, 150=5973) x 2225 x 2134 mm			
	Machine Net Weight	kgs	5600 kgs	6200 kgs	7000 kgs	

STC SERIES CENTERLESS (S - Manual)



			STC-1206 S
Grinding Capacity	Part Diameter (std. workrest)	mm	ø2-30 mm
	Part Diameter (special workrest)	mm	ø30-50 mm
	Size (OD x Width x Bore)	mm	ø305 x 150 x ø120 mm
	Spindle Speed	rpm	1900 rpm
	Dressing Increment (Gra. / Rev.)	mm	0.01 / 1.5 mm
Regulating Wheel	Size (OD x Width x Bore)	mm	ø205 x 150 x ø90 mm
	Spindle Speed (Infinte Variable)	rpm	15-300 rpm
	Upper Slide Handwheel	mm	gra. 0.02 / rev. 4 mm
	Upper Slide Micro-Feed Handwheel	mm	gra. 0.001 / rev. 0.1 mm (Opt.)
	Swiveling Angle (Left/Right)		±5°
	Inclining Angle (Front/Rear)		±5° ~ -3°
	Dressing Increment	mm	gra. 0.01 / rev. 1.5 mm
	Lower Slide Handwheel	mm	gra. 0.05 / rev. 7 mm
	Lower Slide Micro-feed Handwheel	mm	gra. 0.001 / rev. 0.2 mm
Motor	Grinding Wheel Motor	kw	5.5 kw
	Regulating Wheel Servo Motor	kw	2 kw
	Hydraulic Motor	kw	0.75 kw
Weight	Net Weight	kg	1800 kg
	Gross Weight	kg	2200 kg
Packing Size	Length x Width x Height	cm	226 x 195 x 182 cm

STC SERIES CENTERLESS (S - Manual)



			STC-1808 / 1810 / 1812 S	STC-2008 / 2010 / 2012S
Grinding Capacity	Part Diameter (std. Workrest)	mm	ø2-60 mm	ø2-60 mm
	Part Diameter (Special Workrest)	mm	ø60-100 mm	ø60-100 mm
Grinding Wheel	Size (OD x Width x Bore)	mm	ø455 x 205 x ø228.6 mm (08)	ø508 x 205 x ø304.8 mm (08)
		mm	ø455 x 255 x ø228.6 mm (10)	ø508 x 255 x ø304.8 mm (10)
		mm	ø455 x 305 x ø228.6 mm (12)	ø508 x 305 x ø304.8 mm (12)
	Spindle Speed	rpm	1400 rpm	1300 rpm
	Dressing Increment	mm	gra. 0.01 / rev. 2 mm	gra. 0.01 / rev. 2 mm
Regulating Wheel	Size (OD x Width x Bore)	mm	ø255 x 205 x ø111.2 mm (08)	ø305 x 205 x ø127 mm (08)
		mm	ø255 x 255 x ø111.2 mm (10)	ø305 x 225 x ø127 mm (10)
		mm	ø255 x 305 x ø111.2 mm (12)	ø305 x 305 x ø127 mm (12)
	Spindle Speed (Infinite Variable)	rpm	15-300 rpm	15-300 rpm
	Upper Slide Handwheel	mm	gra. 0.05 / rev. 3.5 mm	gra. 0.05 / rev. 3.5 mm
	Upper Slide Micro-Feed Handwheel	mm	gra. 0.001 / rev. 0.07 mm	gra. 0.001 / rev. 0.07 mm
	Swiveling Angle (Left/Right)		±5°	±5°
	Inclining Angle (Front/Rear)		±5° ~ 3°	±5° ~ 3°
	Dressing Increment	mm	gra. 0.01 / rev. 2 mm	gra. 0.01 / rev. 2 mm
	Lower Slide Handwheel	mm	gra. 0.05 / rev. 9 mm	gra. 0.05 / rev. 9 mm
Lower Slide Micro-Feed Handwheel	mm	gra. 0.001 / rev. 0.2 mm	gra. 0.001 / rev. 0.2 mm	
Motor	Grinding Wheel Motor	kw	11 kw	15 kw
	Regulating Wheel Servo Motor	kw	3 kw	3 kw
	Hydraulic Motor	kw	0.75 kw	0.75 kw
Weight	Net Weight	kg	3300 kg	3400 kg
	Gross Weight	kg	3600 kg	3700 kg
Packing Size	Length x Width x Height	cm	275 x 225 x 185 cm	275 x 225 x 185 cm

STC SERIES CENTERLESS (NC)

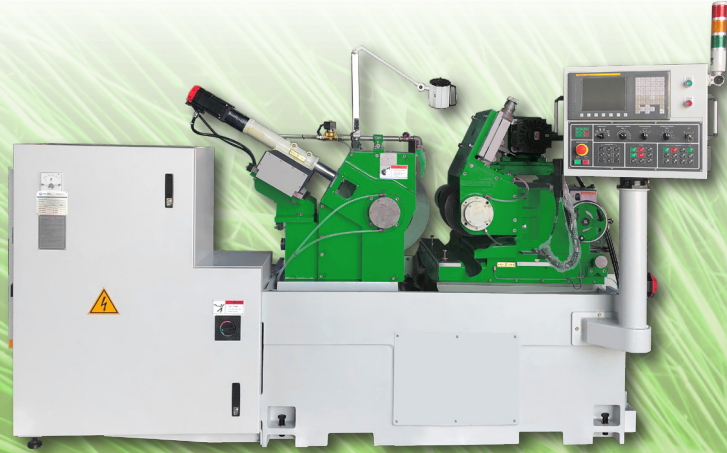


			STC-1206 NC
Grinding Capacity	Part Diameter (std. workrest)	mm	ø2-30 mm
	Part Diameter (special workrest)	mm	ø30-50 mm
	Size (OD x Width x Bore)	mm	ø305 x 150 x ø120 mm
	Spindle Speed	rpm	1900 rpm
	Dressing Increment (Gra. / Rev.)	mm	0.01 / 1.5 mm
Regulating Wheel	Size (OD x Width x Bore)	mm	ø205 x 150 x ø90 mm
	Spindle Speed (Infinite Variable)	rpm	15-300 rpm
	Upper Slide Handwheel	mm	gra. 0.02 / rev. 4 mm
	Upper Slide Micro-Feed Handwheel	mm	gra. 0.001 / rev. 0.1 mm (Opt.)
	Swiveling Angle (Left/Right)		±5°
	Inclining Angle (Front/Rear)		±5° ~ -3°
	Dressing Increment	mm	gra. 0.01 / rev. 1.5 mm
	Lower Slide MPG x1, x10, x100	mm	0.001 / 0.01 / 0.1 mm
	Grinding Wheel Motor	mm	5.5 kw
Motor	Regulating Wheel Servo Motor	kw	2 kw
	Lower Slide Infeed Servo Motor	kw	1 kw
	Hydraulic Motor	kw	0.75 kw
Weight	Net Weight	kg	1800 kg
	Gross Weight	kg	2200 kg
Packing Size	Length x Width x Height	cm	226 x 195 x 182 cm



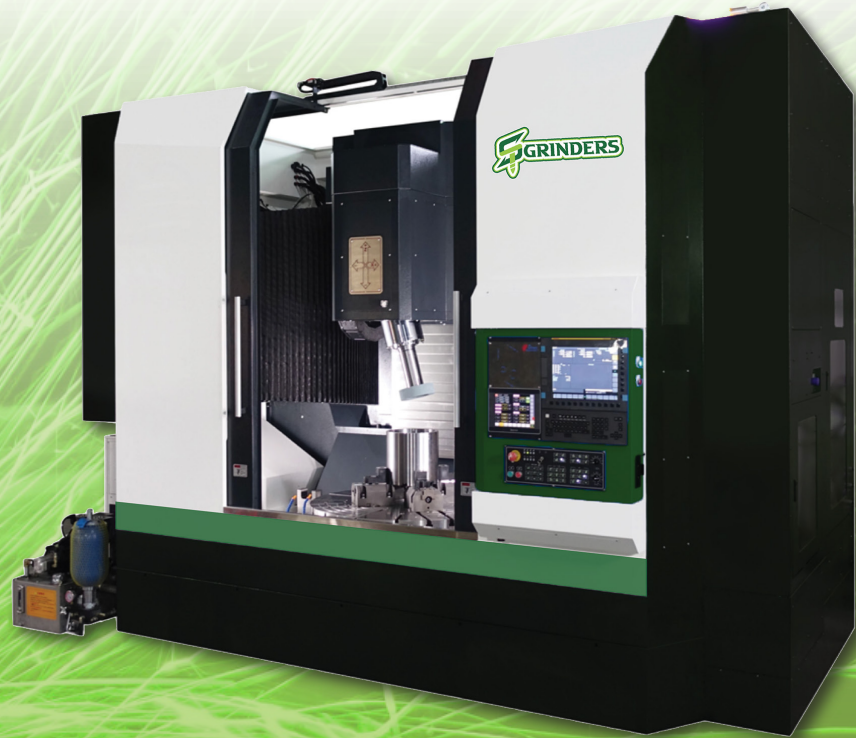
			STC-1808 / 1810 / 1812 NC	STC-2008 / 2010 / 2012 NC
Grinding Capacity	Part Diameter (std. Workrest)	mm	ø2-60 mm	ø2-60 mm
	Part Diameter (Special Workrest)	mm	ø60-100 mm	ø60-100 mm
Grinding Wheel	Size (OD x Width x Bore)	mm	ø455 x 205 x ø228.6 mm (08)	ø508 x 205 x ø304.8 mm (08)
		mm	ø455 x 255 x ø228.6 mm (10)	ø508 x 255 x ø304.8 mm (10)
		mm	ø455 x 305 x ø228.6 mm (12)	ø508 x 305 x ø304.8 mm (12)
	Spindle Speed	rpm	1400 rpm	1300 rpm
	Dressing Increment	mm	gra. 0.01 / rev. 2 mm	gra. 0.01 / rev. 2 mm
Regulating Wheel	Size (OD x Width x Bore)	mm	ø255 x 205 x ø111.2 mm (08)	ø305 x 205 x ø127 mm (08)
		mm	ø255 x 255 x ø111.2 mm (10)	ø305 x 225 x ø127 mm (10)
		mm	ø255 x 305 x ø111.2 mm (12)	ø305 x 305 x ø127 mm (12)
	Spindle Speed (Infinite Variable)	rpm	15-300 rpm	15-300 rpm
	Upper Slide Handwheel	mm	gra. 0.05 / rev 3.5 mm	gra. 0.05 / rev 3.5 mm
	Upper Slide Micro-feed Handwheel	mm	gra. 0.05 / rev 0.07 mm	gra. 0.05 / rev 0.07 mm
	Swiveling Angle (Left/Right)		±5°	±5°
	Inclining Angle (Front/Rear)		±5° ~ -3°	±5° ~ -3°
	Dressing Increment	mm	gra. 0.01 / rev. 2 mm	gra. 0.01 / rev. 2 mm
	Lower Slide MPG x1, x10, x100	mm	0.001 / 0.01 / 0.1 mm	0.001 / 0.01 / 0.1 mm
Motor	Grinding Wheel Motor	kw	11 kw	15 kw
	Regulating Wheel Servo Motor	kw	3 kw	3 kw
	Lower Slide Infeed Servo Motor	kw	1 kw	1 kw
	Hydraulic Motor	kw	0.75 kw	0.75 kw
Weight	Net Weight	kg	3300 kg	3400 kg
	Gross Weight	kg	3600 kg	3700 kg
Packing Size	Length x Width x Height	cm	275 x 225 x 185 cm	275 x 225 x 185 cm

STC SERIES CENTERLESS (CNC)



		STC-1808 / 1810 / 1812 CNC		STC-2008 / 2010 / 2012 CNC		
Grinding Capacity	Part Diameter (std. Workrest)	mm	ø2-60 mm	ø2-60 mm		
	Part Diameter (Special Workrest)	mm	ø60-100 mm	ø60-100 mm		
Grinding Wheel	Size (OD x Width x Bore)	mm	ø455 x 205 x ø228.6 mm (08)	ø508 x 205 x ø304.8 mm (08)		
		mm	ø455 x 255 x ø228.6 mm (10)	ø508 x 255 x ø304.8 mm (10)		
		mm	ø455 x 305 x ø228.6 mm (12)	ø508 x 305 x ø304.8 mm (12)		
	Spindle Speed	rpm	1400 rpm	1300 rpm		
Regulating Wheel	Size (OD x Width x Bore)	mm	ø255 x 205 x ø111.2 mm (08)	ø305 x 205 x ø127 mm (08)		
		mm	ø255 x 255 x ø111.2 mm (10)	ø305 x 225 x ø127 mm (10)		
		mm	ø255 x 305 x ø111.2 mm (12)	ø305 x 305 x ø127 mm (12)		
		Spindle Speed (Infinite Variable)	rpm	15-300 rpm	15-300 rpm	
		Swiveling Angle (Left/Right)		±5°	±5°	
	Inclining Angle (Front/Rear)		±5° ~ 3°	±5° ~ 3°		
Motor	Upper Slide Micro-Feed Handwheel	kw	11 kw	15 kw		
	Swiveling Angle (Left/Right)		±5°	±5°		
	Grinding Wheel (X) <small>(Dressing Infeed Servo Motor)</small>	kw	0.75 kw	0.75 kw		
	Grinding Wheel (Y) <small>(Dressing Traverse Servo Motor)</small>	kw	0.75 kw	0.75 kw		
	Regulating Wheel (Z) <small>(Lower Slide Infeed Servo Motor)</small>	kw	1.2 kw	1.2 kw		
	Regulating Wheel (U) <small>(Dressing Infeed Servo Motor)</small>	kw	0.75 kw	0.75 kw		
	Regulating Wheel (V) <small>(Dressing Traverse Servo Motor)</small>	kw	0.75 kw	0.75 kw		
	Regulating Wheel (W) <small>(Upper Slide Infeed Servo Motor)</small>	kw	1.2 kw	1.2 kw		
	Hydraulic Motor	kw	0.75 kw	0.75 kw		
Weight	Net Weight	kg	3500 kg	3600 kg		
	Gross Weight	kg	3800 kg	3900 kg		
Packing Size	Length x Width x Height	cm	335 x 228 x 200 cm	335 x 228 x 200 cm		

DAWN VERTICAL GRINDERS (CNC)



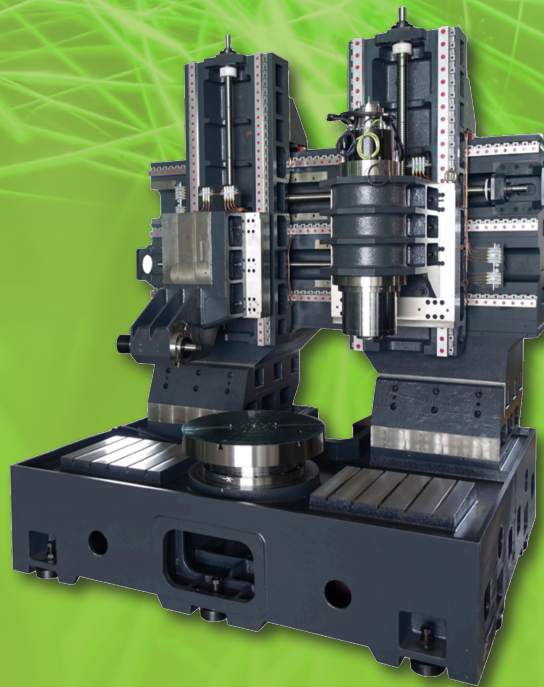
Bearing Race Shape Grind



Power Dressing



CAM Profile Grind



Structure	Single Spindle with ATC	Single Spindle without ATC	Dual Vertical Spindle Without ATC	One Vertical Spindle One Horizontal Spindle Without ATC	One Vertical Spindle One Horizontal Spindle With ATC
Model	DN-300 / DN-500 DN-600 / DN-800 DN-1200 / DN-1600 DN-2000	DN-301 / DN-501 DN-601 / DN-801 DN-1201 / DN-1601 DN-2001	DN-202 / DN-302 / DN-502 DN-602 / DN-802 DN-1202 / DN-1602 DN-2002	DN-306F / DN-506F DN-606F / DN-806F DN-1206F / DN-1606F DN-2006F	DN-308F / DN-508F DN-608F / DN-808F DN-1208F / DN-1608F DN-2008F

DAWN VERTICAL GRINDERS (CNC)

	DN-300	DN-500	DN-600	DN-800
Worktable Diameter - mm	ø300	ø500	ø600	ø800
Max Swing of Workpiece - mm	ø380	ø680(ø880)	ø680(ø880)	ø880
ATC Series Opening Height (Option) - mm	550(650)	950(1050)	950(1050)	950(1050)
Dual Spindle Series Opening Height (Option) - mm	550(650)	850(1050)	850(1050)	850(1050)
Grinding Length for Inner/Outer Diameter - mm	260	400	400	400
Max Load of Table - kg	300	300	400	1,000
Worktable Speed - RPM	300	300	250	200
Worktable Power - KW	3	3	6.4	6.4
ATC Series Spindle Taper/Speed - RPM	BBT30/24,000	HSK100A/10,000	HSK100A/10,000	HSK100A/10,000
ATC Series Spindle Drive/Power - KW	7.5	21	21	21
ATC Series Tool Magazine Capacity - T	6	6	6	6
Dual Spindle Series S1 Spindle Taper/Speed - RPM	M28/18,000	M36/8,000	M36/8,000	M36/8,000
Dual Spindle Series S1 Spindle Drive/Power - KW	15	15	15	15
Dual Spindle Series S2 Spindle Taper/Speed - RPM	M22/24,000	M36/20,000	M36/20,000	M36/20,000
Dual Spindle Series S2 Spindle Drive/Power - KW	7.5	18	18	18
Vertical Spindle Max Grinding Wheel Dia. - mm	ø205	ø255	ø255	ø255
Horizontal Spindle Adaptor/Speed - RPM	3,600	3,600	3,600	3,600
Horizontal Spindle Drive/Power - KW	5	7.5	7.5	7.5
Horizontal Spindle Max Grinding Wheel Dia. - mm	ø305	ø405	ø405	ø405
Single Spindle Series X-Axis Travel - mm	1000	1400	1400	1400
Dual Spindle Series X1/X2 Travel - mm	750/750	750/750	750/750	750/750
Single Spindle Series Z-Axis Travel - mm	400	800	800	800
Dual Spindle Series Z-Axis Travel - mm	400	700(900)	700(900)	700(900)
Standard Linear Scale Axis for Single Spindle Series	X/Z	X/Z	X/Z	X/Z
Standard Linear Scale Axis for Dual Spindle Series	X1/X2 or X1/Z2	X1/X2 or X1/Z2	X1/X2 or X1/Z2	X1/X2 or X1/Z2
ATC Series Machine Weight - T	6	12.5	13	14.5
Dual Spindle Series Machine Weight - T	5	12	12.5	13
ATC Series Floor Space - M	3.5 x 3	3.9 x 3.5	3.9 x 3.5	3.9 x 3.5
Dual Spindle Series Floor Space - M	3 x 3	3 x 3.4	3 x 4	3.3 x 3.5

	DN-1200	DN-1600	DN-2000	DN-2500
Worktable Diameter - mm	ø1200	ø1600	ø2000	ø2500
Max Swing of Workpiece - mm	ø1280	ø1780	ø2180	ONLY CUSTOMIZABLE SPECS
ATC Series Opening Height (Option) - mm	950(1250)	950(1250)	950(1250)	
Dual Spindle Series Opening Height (Option) - mm	950(1250)	950(1250)	950(1250)	
Grinding Length for Inner/Outer Diameter - mm	400	400	400	
Max Load of Table - kg	5,000	5,000	8,000	
Worktable Speed - RPM	100	80	60	
Worktable Power - KW	6.4	7.1	7.1	
ATC Series Spindle Taper/Speed - RPM	HSK100A/10,000	HSK100A/10,000	HSK100A/10,000	
ATC Series Spindle Drive/Power - KW	25	25	25	
ATC Series Tool Magazine Capacity - T	6	6	6	
Dual Spindle Series S1 Spindle Taper/Speed - RPM	M36/8,000	M36/8,000	M36/8,000	
Dual Spindle Series S1 Spindle Drive/Power - KW	15	15	15	
Dual Spindle Series S2 Spindle Taper/Speed - RPM	M36/20,000	M36/20,000	M36/20,000	
Dual Spindle Series S2 Spindle Drive/Power - KW	18	18	18	
Vertical Spindle Max Grinding Wheel Dia. - mm	ø305	ø305	ø305	
Horizontal Spindle Adaptor/Speed - RPM	3,600	3,600	3,600	
Horizontal Spindle Drive/Power - KW	7.5	7.5	7.5	
Horizontal Spindle Max Grinding Wheel Dia. - mm	ø405	ø405	ø405	
Single Spindle Series X-Axis Travel - mm	2400	2800	3200	
Dual Spindle Series X1/X2 Travel - mm	1200/1200	1400/1400	1600/1600	
Single Spindle Series Z-Axis Travel - mm	800(1100)	900(1100)	900(1100)	
Dual Spindle Series Z-Axis Travel - mm	800(1100)	900(1100)	900(1100)	
Standard Linear Scale Axis for Single Spindle Series	X/Z	X/Z	X/Z	
Standard Linear Scale Axis for Dual Spindle Series	X1/X2 or X1/Z2	X1/X2 or X1/Z2	X1/X2 or X1/Z2	
ATC Series Machine Weight - T	18	25	37	
Dual Spindle Series Machine Weight - T	18	26	38	
ATC Series Floor Space - M	4.5 x 3.8	6 x 4.5	6 x 5	
Dual Spindle Series Floor Space - M	4.5 x 3.8	5.5 x 4.5	5.5 x 5	



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