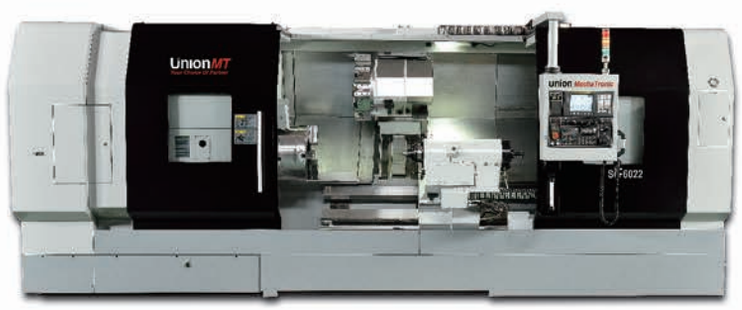
CNC Horizontal Turning Center

SC 6000 Series



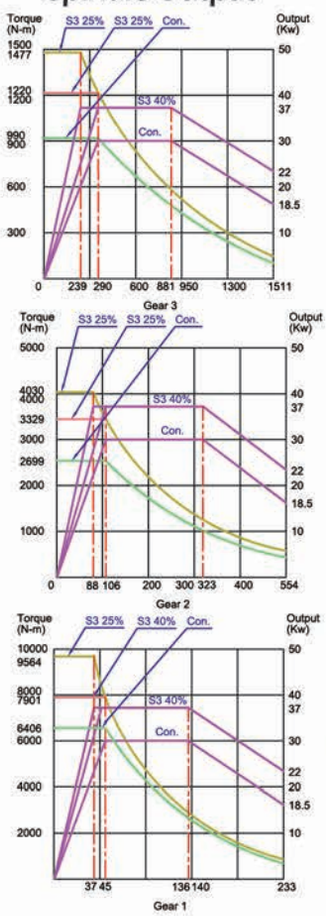
UNION MT

Your Choice Of Partner

Difference begins from material and for the markets.

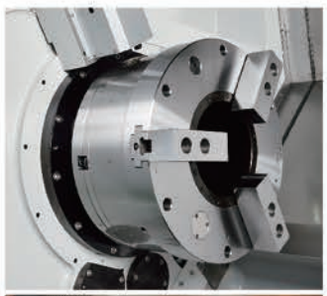
Oil, Energy, Construction, Hydraulic, Pneumatic Equipment, Industry Machinery and etc.

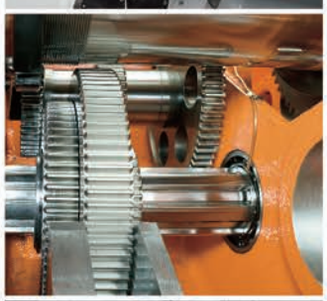
Spindle Output



Main Features

- Air chuck and manual chuck installed on both spindle ends provide long work-pieces machining capability.
- 3-step gear headstock provide extra torque 9564 Nm for heavy duty cutting and operation efficiency.
- One body slant 45 degrees cast iron base use Meehanite casing iron, alloy ingredients, tempered and aged process for stress relief to assure stability and longevity
- Strategically-ribbed, rigid machine structure and wider box ways for assuring rigidity and longevity life.
- Hand scraped skill assure 16 dots per inch and sustain trapped film of oil between box guide ways and saddle for smooth travelling.





CAPACITY	SC 6011	SC 6017	SC 6022	SC 6032
Max. swing diameter	970 mm (38.19")			
Swing over saddle	720 mm (28.35")			
Max. turning diameter	850 mm (33.46")			
Max. turning length	1110 mm (43.70")	1700 mm (66.93")	2200 mm (86.61")	3200 mm (125.98")
Chuck size	18" (Optional 20" / 21" / 24" / 32")			
SPINDLE				
Spindle nose	A2-11 (Optional A2-15 / A2-20)			
Hole through spindle	A2-11 160 (6.30") / A2-15 230 (9.06") / A2-20 305 (12.01") 360 (14.17")			
Spindle motor peak power	37 kW (50 HP)			
Spindle peak torque	9564 Nm @37 rpm S3 25%			
X & Z AXIS				
X axis travel	450 mm (17.72")			
Z axis travel	1250 mm (49.21")	1750 mm (68.90")	2250 mm (88.58")	3250 mm (127.95")
X axis rapids	12 m/min. (472 ipm)			
Z axis rapids	16 m/min. (630 ipm)			
X axis servo motor	X axis 4 kW (5.4HP)			
Z axis servo motor	Z axis 7 kW (9.3HP)			
Slide way type	Box Way			
TURRET				
Turret type	Servo drive 12 stations			
Square tool shank size	32 mm (1-1/4")			
Boring tool shank size	50 mm (1.97")			
TAILSTOCK				
Quill center taper	MT #6			
Quill diameter / travel	200 mm (7.87") / 200 mm (7.87")			
Tailstock base travel	850 mm (33.46")	1450 mm (57.09")	1950 mm (76.77")	2950 mm (116.14")

UNION MT
Union Mechatronic Inc.
國合科技股份有限公司

TEL +886 4 2485 3708 **FAX** +886 4 2485 1500 www.unionmt.com
41262 台中市大里區國光路一段 206-12 號 E-mail union@unionmt.com
No.206-12, Sec. 1, Guoguang Rd., Dali Dist., Taichung City 41262, Taiwan