

	Stronik ML	Profile
GENERAL CHARACTERISTICS		
Electrical Requirements	3 × 400V + N	3 × 400V
Pneumatic Requirements	6 Bars / 400 L.min ⁻¹	6 Bars / 120 L.min ⁻¹
Clamping	Vacuum + pneumatic	Pneumatic
Spindle Motor type	4 KW Synchronous servo	3 KW Synchronous servo
Spindle Motor drive	Direct drive	Direct drive
Spindle Rotation Speed	0 - 2000 rpm	0 - 3000 rpm
Cutting Strategies	3	3
Dual Direction Machining Software	Only for finishing	Only for finishing
Adjustable vertical travel Stop	No	Yes
Constant surface speed	Yes	Yes
Coolant w/Fixed Collection System	Option	Option
Number of CNC Axes	3	3
Numerical Controls	Siemens 828D	Siemens 840D SL
Software	Sinumerik / Serdi	Sinumerik / Serdi
Z Axis, Machine Head Travel Mechanism	Spindle travel only	Linear ways, normally closed pneumatic lock
Y Axis, Machine Parallels	Linear ways × 2, mechanical lock	Linear ways × 2, mechanical lock
Net weight Approx.	1500 Kg	1500 Kg
CAPACITY		
Workhead travel		
<i>Sidewise</i>	970 mm	990 mm / 1500 mm option
<i>Crosswise</i>	50 mm	50 mm
<i>Vertical</i>	NA	330 mm
Y parallel bars travel	210 mm	210 mm
Z Axis, Spindle Travel	310 mm	120 mm
U Axis, Carriage Travel	22 mm	22 mm
Max profile length (ID to OD)	44 mm	44 mm
Valve Seat Machining Capacity	14 to 124 mm + (more with special tooling)	14 to 120 mm + (more with special tooling)
CONTROL SPECS		
OS	Sinumerik	Sinumerik
HMI	10.4" screen with keyboard	15" multi-touch capacitive widescreen
Connectivity	USB + ethernet	USB + ethernet
Drives	Sinamics S120	Sinamics S120
CYLINDER HEAD CAPACITY		
Length	unlimited	unlimited
Width	500 mm	500 mm
Height (on parallels with a standard pilot)	560 mm	400 mm