

# Specifications

	Item	Unit	S20
Capacity	Max. Turning Length	mm	200
	Max. Turning Diameter	mm	Ø20
Travel	X1 Axis Travel	mm	202
	Z1 Axis Travel	mm	200
	Y1 Axis Travel	mm	295
	X2 Axis Travel	mm	319
	Z2 Axis Travel	mm	200
	Y2 Axis Travel	mm	50
	X1 Z1 Y1 X2 Z2 Axis Rapid Traverse	M/min	24
	Y2 Axis Rapid Traverse	M/min	20
Spindle	Hole Through Spindle	mm	24
	Spindle Speed	rpm	10000
	Spindle Motor (Cont./15min Torque)	kW	2.2 / 3.7 (3/5 HP)
	Sub Spindle Max. Speed	rpm	8000
Front Machining Capacity	Sub Spindle Motor (Cont./15min Torque)	kW	1.5 / 2.2 (2/3 HP)
	No. of Tool Station	set	OD:6 / ID:6 / Y1:5~10 (OPT) / Y2:8
	Tool Size (Square)	mm	12
	I.D. Boring Bar Holder	mm	Ø20
	Live Tools Holder Size	ER	ER-16
	Live Tool Motor Rpm	rpm	7500
	Live Tool Motor	kW	1.5
	Live Tool Max Drill Diameter	mm	8
	Live Tool Max. Tapping Size	mm	M6 x P1.0
	Live Tool Max. Milling Capacity	mm	10
Back Machining Capacity	Y2 Live Tool Rpm	rpm	8000
	Y2 Axis Motor	kW	0.75
	Y2 Static Drill Max. Diameter	mm	8
	Y2 Live Tool Drill Max. Diameter	mm	5
	Y2 Static Tapping Max. Diameter	mm	M8 x P1.25
Y2 Live Tool Tapping Max. Diameter	mm	M4 x P0.7	
Machine Dimension (W x D x H)	mm	2300 x 1570 x 2103	

We reserve the right to modify the above specifications without notice.

## Standard Accessories:

- Mitsubishi Controller
- Pneumatic Unit
- Automatic Lubrication Unit
- C-Axis Control (Main Spindle / Sub Spindle)
- Guide Bush Unit
- Drive System for Power-Driven Attachment (Including the 5 Tools for Cross-Milling Unit)
- Back 8-Spindle Live Tool Unit
- Sub-Spindle Air Blow Unit
- Parts Ejection Detector
- Work Light
- Coolant Level Detector (Lower Limit)
- Spindle Clamp Unit (Main / Sub-Spindle)
- 6-Station OD Tool Holder
- 6-Spindle Sleeve Holder
- 2-Spindle Front Sleeve Holder (for Deep Hole)
- Sub-Spindle Air Purge
- Broken Cutoff Tool Detector
- Automatic Barfeeder Interface
- Parts Catcher
- Parts Conveyor
- Chip Box
- Coolant Flow Detector

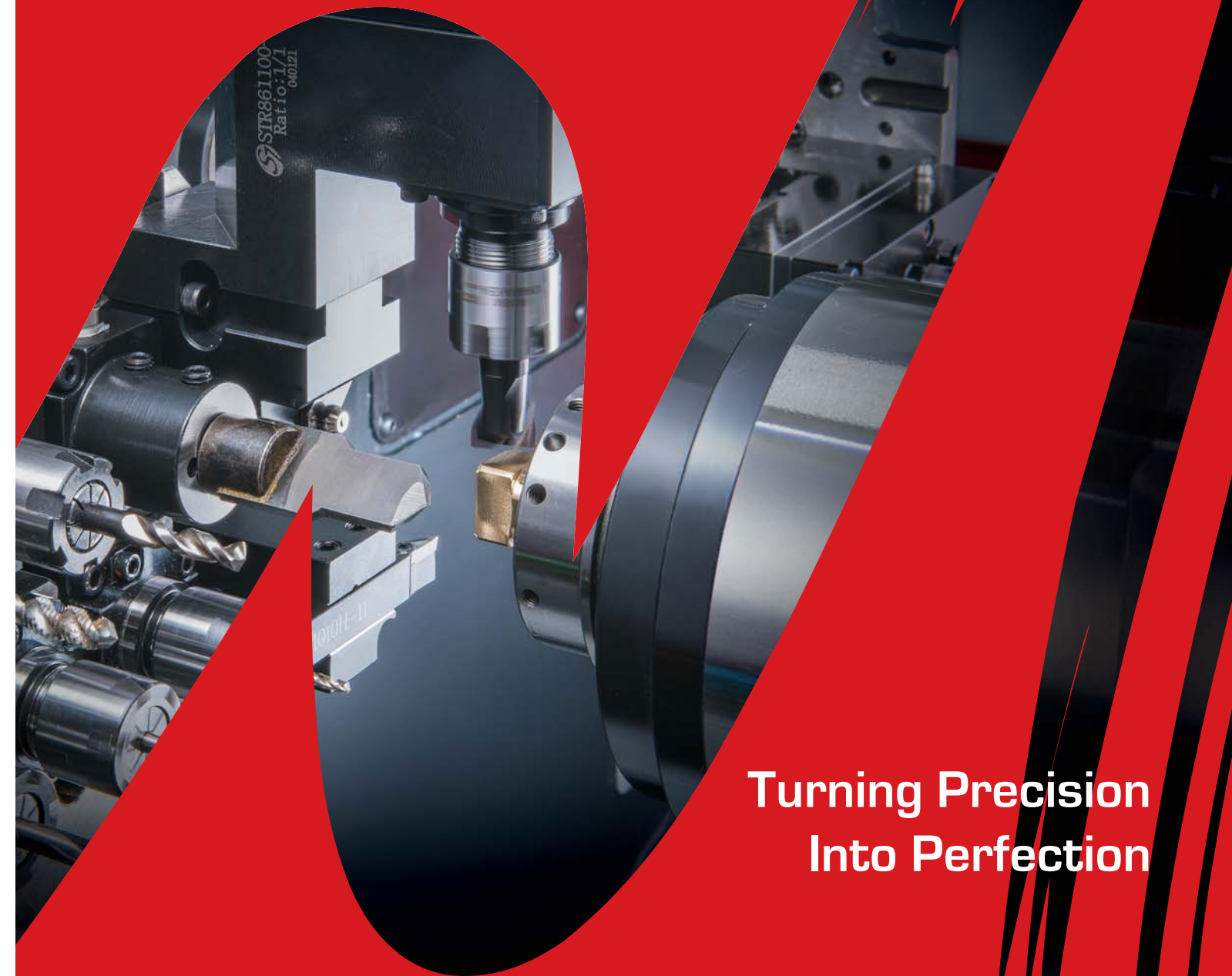
## Optional Accessories:

- Long Parts Ejector with Guide Tube
- Live Tool Holder for Main and Sub Spindle
- Transformer
- Regulator
- High Pressure Coolant Unit
- Barfeeder
- CE Norms
- Fanuc Controller

# Double Spindle 6 Axis, 30 Tools Swiss Type Automatic Lathe



# S20



Turning Precision  
Into Perfection



**MYLAS**

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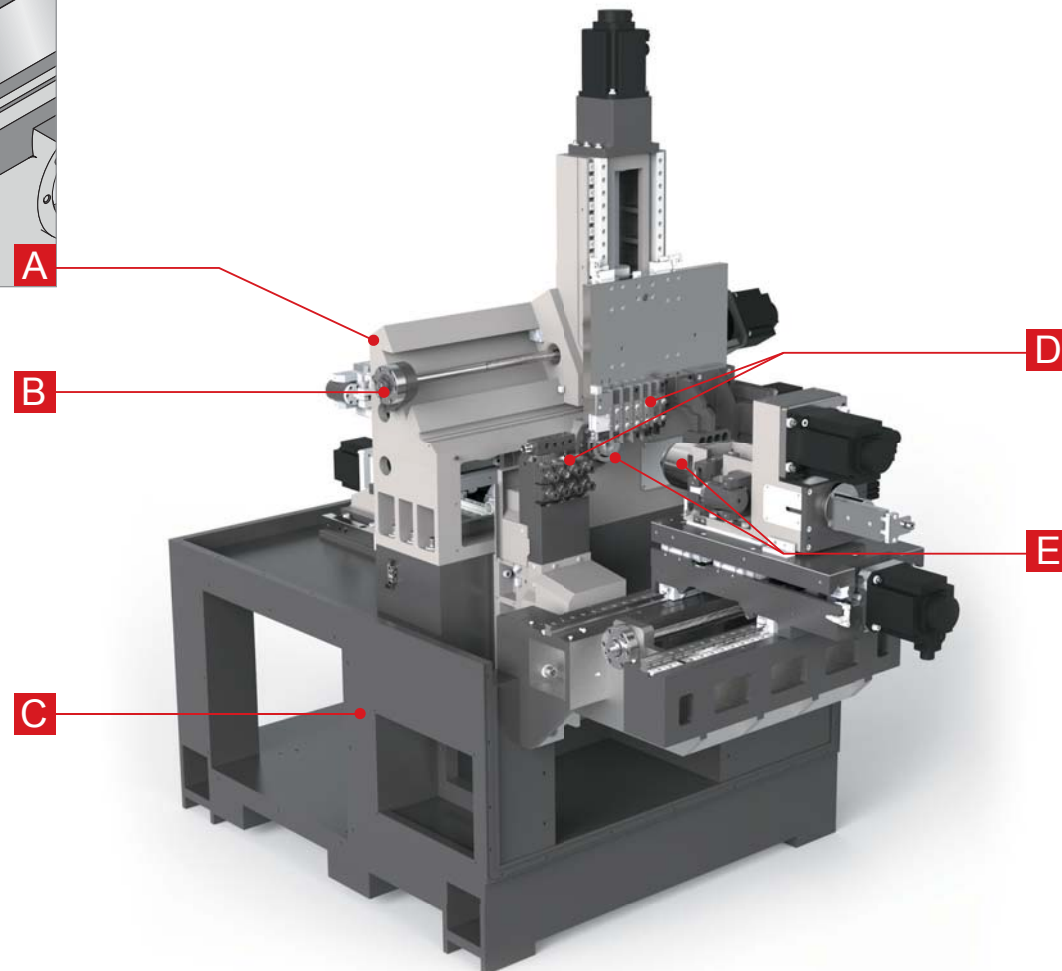
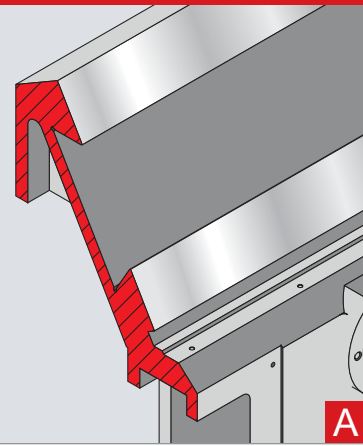
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*Ming Yang*

# S20

## Machine Highlights



## Capabilities

S20 features a compact rigid machine structure with a slanted dovetail way ensuring accurate, smooth and reliable performance with exceptional dimensional accuracy. The high rigidity and durability results in extended cutting tool life. The Swiss-type sliding head design in combination with an array of customizable cutting tool modules can incorporate up to 30 tools. This machine is especially suited for the machining of high precision complex parts for the medical, aerospace, watch and automotive industries all at extremely fast cycle times.



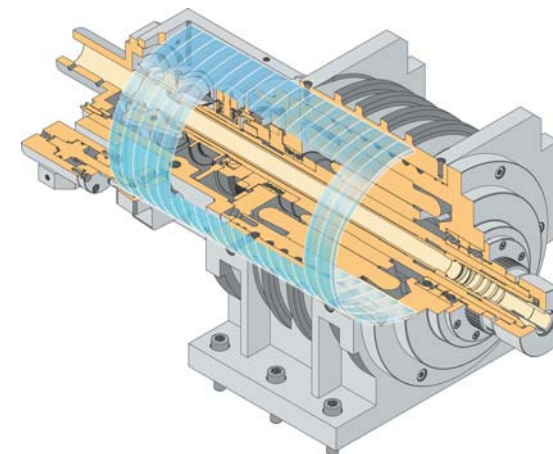
## Key Features

- A** Slanted dovetail way
- B** Precision linear guideways & rigid ballscrews on all axes
- C** Uniquely designed coolant channels for optimal thermal dissipation
- D** +/-40mm of travel on Y2 backworking module & equipped with 8 driven tools
- E** Main spindle 10,000rpm, 2.2/3.7kW, Sub-spindle 8,000rpm, 1.5/2.2kW

## Simultaneous Machining, Double Y-axis for Complex Machining

For complex precision parts this machine has simultaneous machining capability on the main and sub-spindles. There is also +/-40 mm of travel on the Y2 backworking module which is equipped with 8 driven tools. The S20 can accommodate a variety of tools for overlapping and simultaneous operations. Both the main and sub-spindle, feature full C-axis capabilities and can perform fast and accurate backside machining. This Swiss-style design with or without guide bushings delivers versatility, rigidity, and high performance, perfect for short runs of complex parts made complete in a single set-up.

## Cooling Jacket of Built-in Spindle



## Backmachining Versatility

