

S20

Swiss Type CNC Automatic Lathe



Superior Quality

Outstanding Performance

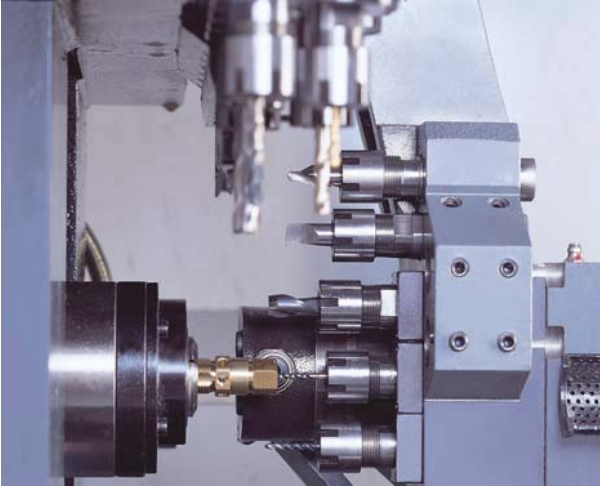
Affordable Pricing

Dynamic

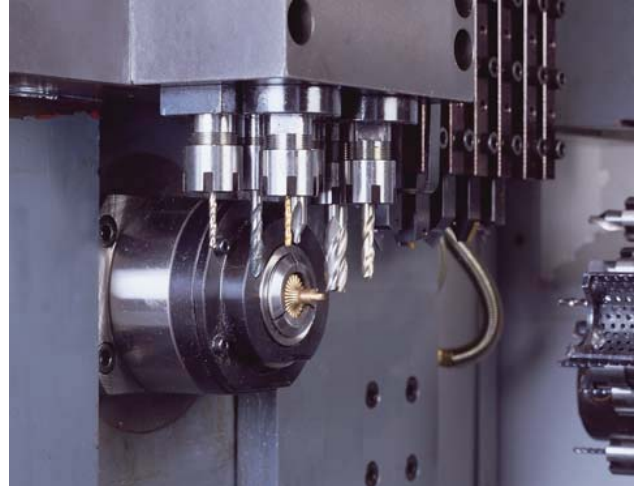
Real Machines. Solid Performance.

S20

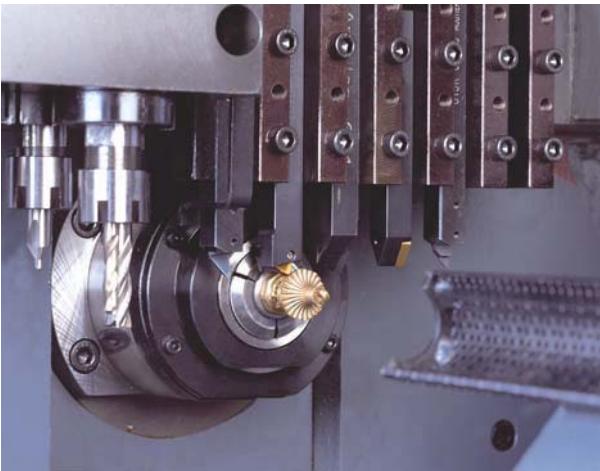
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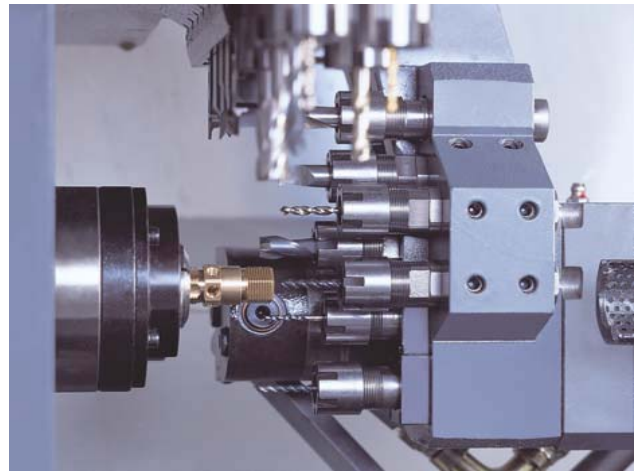
Maximum of 3 driven tools for off – center machining application.



Maximum of 6 driven tools for OD Machining.



Maximum of 6 OD turning tools on overhead cross slide.



Maximum of 4 fixed ID Turning Tools for front side machining.

S20

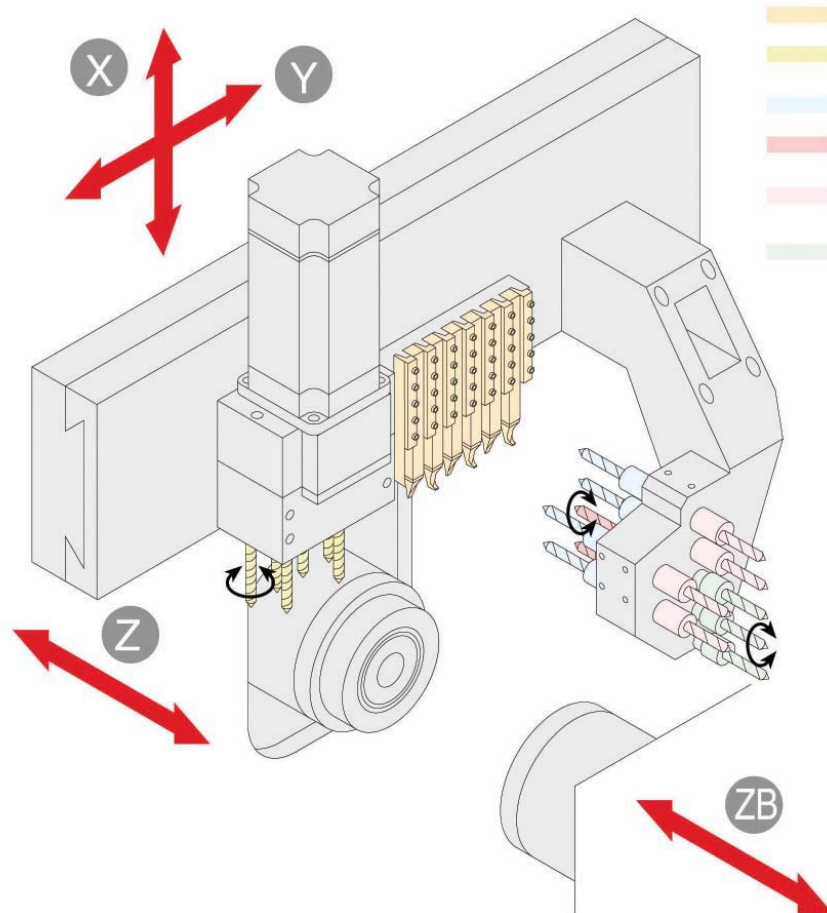
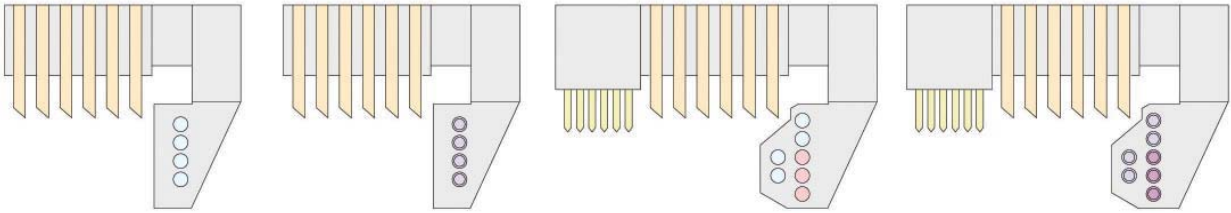
Swiss Type CNC Automatic Lathe

Model- 20

20B

20CS

20CSB



6 OD Turning Tool

6 Cross slide tools

4 Front ID stationary tools

3 Front driven tools

4 Back ID stationary tools

3 Back driven tools



A wide variety of tooling arrangements with a maximum of 26 tool positions.

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Machine Specifications



Model		S20	S20B	S20CS	S20CSB
Cutting Range	Max. Machining Dia.	.078" (20mm)	078" (20mm)	078" (20mm)	078" (20mm)
	Max. Machining Length (per chucking)	9.8" (250mm)	9.8" (250mm)	9.8" (250mm)	9.8" (250mm)
	Max drillingdiameter	25/64" (10mm) with ER16	25/64" (10mm) with ER16	25/64" (10mm) with ER16	25/64" (10mm) with ER16
	Max tapping diameter	M8	M8	M8	M8
OD Turning Tools	Number of Tools Max.	6	6	6	6
	Tool Size	12mm x12mm x 100mm	12mm x12mm x 100mm	12mm x12mm x 100mm	12mm x12mm x 100mm
Front ID Stationary Tools	Number of Tools Max.	4	4	4	4
	Tool Size	25/64" or 10mm (ER16)	25/64" or 10mm (ER16)	25/64" or 10mm (ER16)	25/64" or 10mm (ER16)
Cross Slide Driven Tools	Number of Tools Max.	-	-	6	6
	Tool Size	-	-	25/64" or 10mm (ER16)	25/64" or 10mm (ER16)
	Max Tool RPM	-	-	200-6000	200-6000
Front Driven Tools	Number of Tools Max.	-	-	3	3
	Tool Size	-	-	25/64" or 10mm (ER16)	25/64" or 10mm (ER16)
	Max Tool RPM	-	-	3000	3000
Back ID Stationary Tools	Number of Tools Max.	-	4	-	4
	Tool Size	-	25/64" or 10mm (ER16)	-	25/64" or 10mm (ER16)
Back Driven Tools	Number of Tools Max.	-	-	-	3
	Tool Size	-	-	-	17/64" or 7mm (ER11)
	Max Tool RPM	-	-	-	3000
Main Spindle	ID	0.78" (20mm)	0.78" (20mm)	0.78" (20mm)	0.78" (20mm)
	RPM	20-10000	20-10000	20-10000	20-10000

Machine Specifications cont.

Model		S20	S20B	S20CS	S20CSB
Back Spindle	ID		0.78”(20mm)	-	0.78”(20mm)
	RPM	-	7500	-	7500
	Max. Length for front ejection	-	8.6”(220mm)	-	8.6”(220mm)
Rapid Traverse		709 IPM (18M/min)	709 IPM (18M/min)	709 IPM (18M/min)	709 IPM (18M/min)
Motor Size	Main Spindle Motor	5HP (3.7KW)	5HP (3.7KW)	5HP (3.7KW)	5HP (3.7KW)
	Back Spindle Motor	-	2HP (1.5KW)	-	2HP (1.5KW)
	X/Y/Z Servo Motor	0.67 HP (0.5KW)	.67 HP (0.5KW)	.67 HP (0.5KW)	.67 HP (0.5KW)
	Coolant Pump	0.24HP (0.18KW)	0.24HP (0.18KW)	0.24HP (0.18KW)	0.24HP (0.18KW)
	Lubrication Pump	4W	4W	4W	4W
	Driven Tool Spindle				
	Power Requirement	4.4KW	5KW	5KW	5.5KW
Machine Size	Spindle Center Height	37.8”(960mm)	37.8”(960mm)	37.8”(960m m)	37.8”(960mm)
	Weight	4740 lbs (2150kg)	4740 lbs (2150kg)	4740 lbs (2150kg)	4740 lbs (2150kg)
	Machine Dimensions	63”x39”x62” (1588x988x15 68mm)	63”x39”x62” (1588x988x15 68mm)	63”x39”x62 ” (1588x988x 1568mm)	63”x39”x62” (1588x988x1568 mm)
Pneumatic	Air Pressure	71 psi (5kg/cm2)	71 psi (5kg/cm2)	71 psi (5kg/cm2)	71 psi (5kg/cm2)

Standard Accessories

Main Spindle 5 deg. Indexing
Part Off Detection Sensor
Coolant System
Worklight
Parts Catcher
Fixed Bushing

Live Bushing (Optional on 20 and 20B models)

Cross Slide Driven Tools - (Not available on 20 & 20B) Standard on 20CS and 20CSB

Back Spindle- (Not available on 20 or 20CS) Standard on 20b & 20CSB

Front Driven Tools (Not available on 20 or 20B –Optional for 20CS –Standard on 20CSB

Back Driven Tools (not available on 20 or 20B or 20CS – Standard on 20CSB

Cf Axis (Not available on 20 or 20B – Optional on 20CS and 20CSB

Optional Accessories

Chip Conveyor
Rough Material Bushing

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Pricing

Pricing starts at \$ 64,500.

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Toll Free - 888-280-4158

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