

SJ-20/20MC



■ LINEAR GUIDEWAYS

The SJ-20 series lathe by Ecoca is intended for speed, power, accuracy and high production efficiency. The 45° slant bed design allows for good chip disposal and tooling is easily accessible for fast set-up.

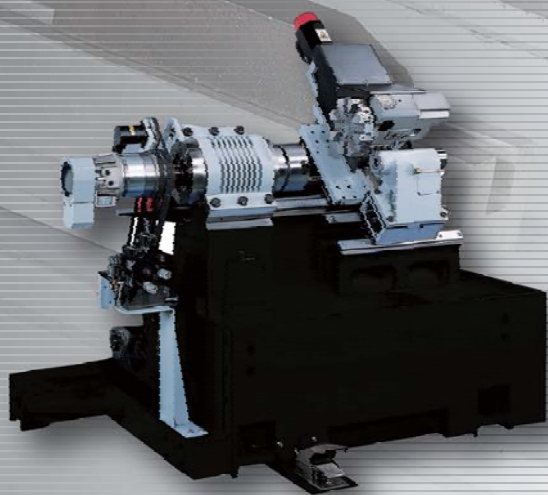
Its compact size makes it ideal for the smallest workshops and guarantees the highest possible return on investment. Heavy-duty linear guideways are used for X and Z axes motions, providing added stiffness, damping, and surface contact area to ensure a very stiff and durable machine.

Rapid traverse rates for the X and Z axes are an impressive 945 ipm (24 mpm).

Widely spaced guideways of the X and Z axes are 187mm and 317mm respectively.

Positioning accuracy: ± 0.005 mm
Repeatability accuracy: ± 0.002 mm
CPK value: 1.33 (4 Sigma)

Maximum turning capacity: 225mm / Turning length: 320mm A2-5 spindle, 6" hydraulic chuck, 6,000 rpm spindle with 7.5Kw motor.



The one-piece, 45 degree machine base and casting parts are of solid Meehanite equivalent construction providing high rigidity.

The 45 degree "true slant bed" design (not a slant saddle) and the fast heat dispensing high speed precision spindle are just a few of the many outstanding standard features on the SJ-20 series



Flexible couplings ensure the smoothness and accuracy of axial movement



Hydraulic valve from famous and reliable supplier

SPECIFICATIONS

Machine Specifications			
ITEM		SJ-20	SJ-20MC
Swing Over Bed	mm	380	380
Over Cross Slide	mm	225	225
Max. Turning Dia	mm	225	170
Max. Turning Length	mm	320	300
Chuck Size	inch	6/8(opt)	6/8(opt)
X Axis Travel	mm	142	142
Z Axis Travel	mm	325	325
Guideway Type		Linear Rail	Linear Rail
Max. Spindle Speed	rpm	6000/4500	6000
Power Tool Speed	rpm	-	4000
Spindle Nose	ASA	A2-5/A2-6	A2-5
Through Spindle Hole Dia	mm	51/62(2"/2.44")	51(2")
Draw Tube Dia	mm	45/52(1.77"/2.04")	45(1.77")
Front Bearing Dia	mm	80/100(3.14"/3.93")	80(3.14")
NO. of Tool Positions		8T/12T	12T
Size Of External Turning Tool		20/16(opt)	16
Boring Bar Dia	mm	32/25(opt)(1.25"/0.98"opt.)	DIN69880Ø20
Rapid Traverse Rate	m/min	X24/Z24	X24/Z24
Cutting Feed	m/min	1.26	1.26
Quill Dia	mm	58(2.28")	58(2.28")
Quill Taper		MT-4	MT-4
Quill Travel	mm	88(3.46")	88(3.46")
Spindle Drive Motor	KW	5.5/7.5	5.5/7.5
X Axis Motor	KW	1.6	1.6
Z Axis Motor	KW	1.6	3.0
Power Tool Motor	KW	-	1.5/2.2
Power	KVA	21	21
Coolant Tank Capacity	Liter	125	125
Floor Space	mm	1800*1450(70.86"*57.08")	1800*1450(70.86"*57.08")
Net Weight	kg	3300	3300
Positioning		±0.005	±0.005
Repeatability		±0.002	±0.002

Note: The specifications are subject to change without notice.

All care is taken to assure the information contained in this brochure is accurate and correct.

ECOCA is not responsible for typographical or other errors.

Standard Accessories

- 3-Jaw Hydraulic Chuck
- Hydraulic System
- Hydraulic Tailstock(SJ-20 opt)
- Live Center
- Coolant System
- Auto Lubrication System
- Work Light
- U-Drill Tool Holder
- Boring Bar Holder
- Facing Tool Holder
- Hydraulic Unit with Cooling System
- Load Meter
- Soft Jaw Chuck
- Boring Bar Sleeves
- MT Sleeves
- Operation Manual & Maintenance Manual
- Tools and Tool Kit
- Warning Lamp

Optional Accessories

- Collet Chuck and Collets
- Bar Feeder
- Parts Catcher
- Hydraulic Tailstock (SJ-20)
- Auto Door
- Tool Setter
- Safety Torque Limit Clutch
- Chip Conveyor
- Transformer
- Hoisting Hook
- Leveling Kit



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