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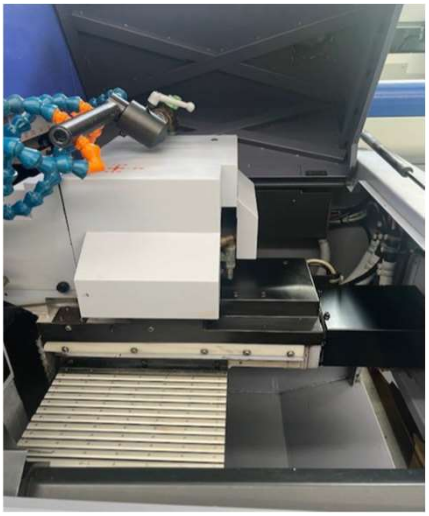
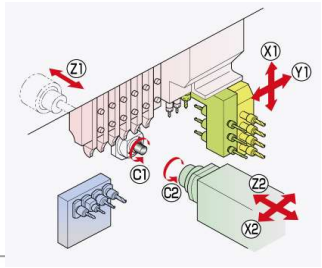
STAR SB-20R Type G + BAR FEEDER

MANUFACTURER	**STAR**
MODEL	**SB-20R Type G**
CATEGORY	CNC Swiss Type Automatic Lathe
YEAR	2015 / 10
CNC CONTROL	Fanuc
MACHINE WEIGHT (kg)	1.750
DIMENSIONS (width. x lenght. x height.) (mm)	2.070 x 1.117 x 1.760
NUMBER OF AXIS	5 axis
CE DECLARATION	YES
(Hybrid machine)	Non Guide Bush Type: max stroke 50mm
Accessories:	SCS high pressure pump (70bar) Tool holders kit (see pictures)

BAR FEEDER

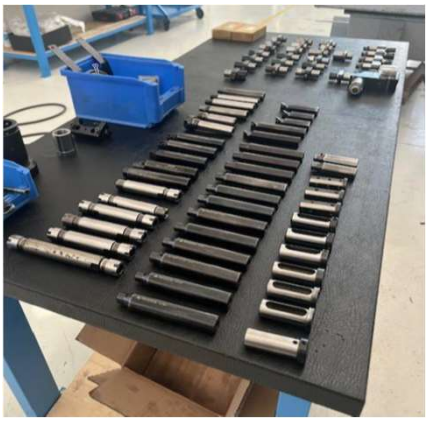
MANUFACTURER	**IEMCA**
MODEL	**mod. BOSS 338 HD (3 m)**
CATEGORY	Bar Feeder
YEAR	2015
MACHINE WEIGHT (kg)	1.200
CE DECLARATION	YES





Standard Machine Specifications

Item		4-spindle cross drilling unit	5-spindle cross drilling unit	Cartridge-type cross drilling unit	
				5-spindle	5-spindle high-speed
Max. machining diameter		φ16mm(5/8in)／φ20mm(25/32in)			
Max. headstock stroke	Standard	205mm(8in)			
	N.G.B type	Bar diameter×2.5(Max.50mm)(Max.1-31/32in)			
Tool		6 tools(□12mm)／7 tools(□10mm)			
4-Spindle sleeve holder	Number of tools	Front 4 tools			
		Rear 4 tools			
	Max. drilling capability	φ12mm(1/2in)			
	Max. tapping capability	M10×P1.5			
Power driven att.	Number of tools	Cross power driven att. 4 tools(ER16)	5 tools(ER11)	Cross power driven att. 2 tools(ER11) Cartridge type: 3Pos	
	Max. drilling capability ER16	φ7mm(9/32in)			
	Max. drilling capability ER11	φ6mm(15/64in)			
	Max. tapping capability ER16	M6×P1.0			
	Max. tapping capability ER11	M5×P0.8			
	Spindle speed ER16	Max.6,000min^{-1}	—	Max.6,000min^{-1}	Max.6,000min^{-1}
	Spindle speed ER11	—	Max.10,000min^{-1}	Max.8,000min^{-1}	Max.10,000min^{-1}
	Drive motor	1.0kw(continuous)／1.2kw(5min.／30%ED)		1.0kw	
Rapid feed rate		35m/min(X1,Y1,Z1,X2,Z2)			
Main spindle indexing angle		C-axis control			
Main spindle speed		Max.10,000min^{-1}			
Main spindle motor		2.2kw(continuous)／3.7kw(10min.／25%ED)			



Coolant tank capability	180ℓ
Dimensions (W×D×H)	2,070×1,177×1,760mm
Center height	1,060mm
Weight	1,750kg
Power consumption	3.7KVA
A-weighted sound pressure : note-1	74dB

Backworking Attachment Specifications

OP: Options

Item			Specifications
Max. chucking diameter			φ16mm(5/8in)／φ20mm(25/32in)
Max. length for front ejection			80mm (3-5/32in)
Max. parts projection length			30mm (1-11/64in)
Back 4-Spindle unit	Number of tools		4 tools
	Max. drilling capability	Stationary tool	φ8mm(5/16in)
		Power driven tool	φ6mm(15/64in)
	Max. tapping capability	Stationary tool	M6×P1.0
		Power driven tool	M5×P0.8
Power-driven att. spindle speed			Max.8,000min^{-1} : OP
Power-driven att. drive motor			0.75kw : OP
Sub spindle indexing angle			C-axis control
Sub spindle speed			Max.9,000min^{-1}
Sub spindle speed control			AC spindle drive
Sub spindle motor			0.55kw(continuous)／1.5kw(15min.／40%ED)

Note)
The machining capacities apply to SUS303 material. The machining capacities may differ from listed values depending on the machining conditions, such as the material to be machined or the tools to be used.

Standard Accessories and Functions

1. CNC unit FANUC 0i-TD
2. Operation panel 8.4-inch color LCD display
3. Pneumatic unit
4. Automatic centralized lubrication unit
5. Coolant level detector
6. Door interlock system
7. Broken cutoff tool detector
8. Parts ejection detector
9. Drive unit for revolving guide bush
10. Revolving guide bush unit
11. Main／Sub collet
12. C-axis control (Main／Sub)
13. Spindle clamp unit (Main／Sub)
14. Tool holder
15. 4-spindle cross drilling unit
16. 4-spindle sleeve holder
17. Back 4-Spindle unit
18. Air purge for revolving guide bush
19. Sub spindle air purge unit
20. Sub spindle air blow unit
21. Work light
22. Leakage breaker