

FMB Turbo 2-20

Automatic Magazine Bar Feeder for Fixed and Sliding Headstock CNC Lathes

EDGE 
TECHNOLOGIES



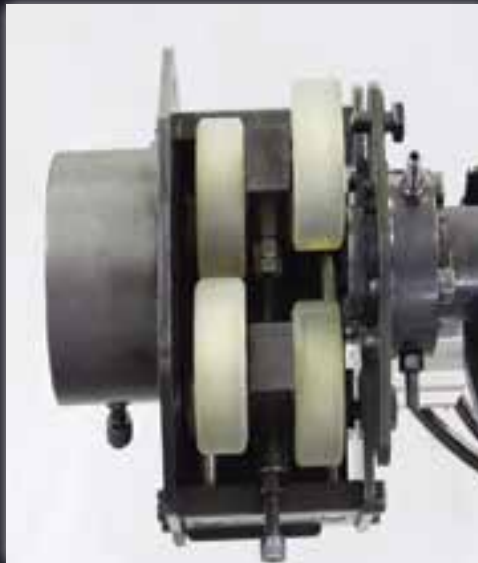
*Diameter range: 2mm to 20mm (0.078" to 0.787")
23mm (0.905") max with bar prep.*

Bar length: 1000mm to 3800mm (39.4" to 12'5")



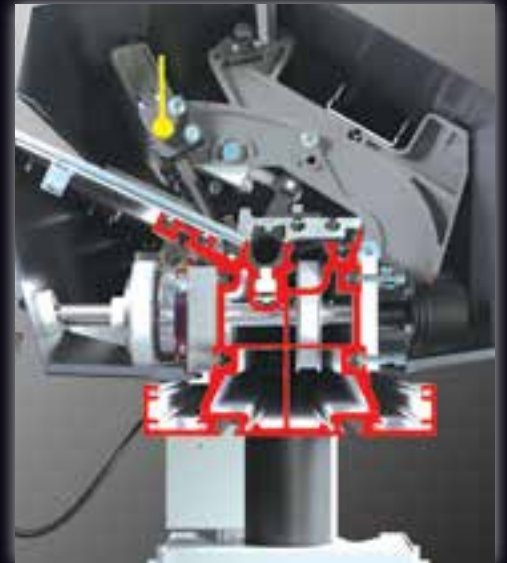
Conversational HMI.

User-friendly software delivers fast setup on easier jobs and powerful advanced features for more sophisticated demands with a 1,000-part program storage.



Outboard steady device.

This super rigid design controls bar whip between the bar feed and lathe spindle, and works great with profiled material.



Machine support.

Extruded aluminium provides a solid base for the loading magazine backbone. The structure also forms the guide channel sets, giving them the widest range in the industry.

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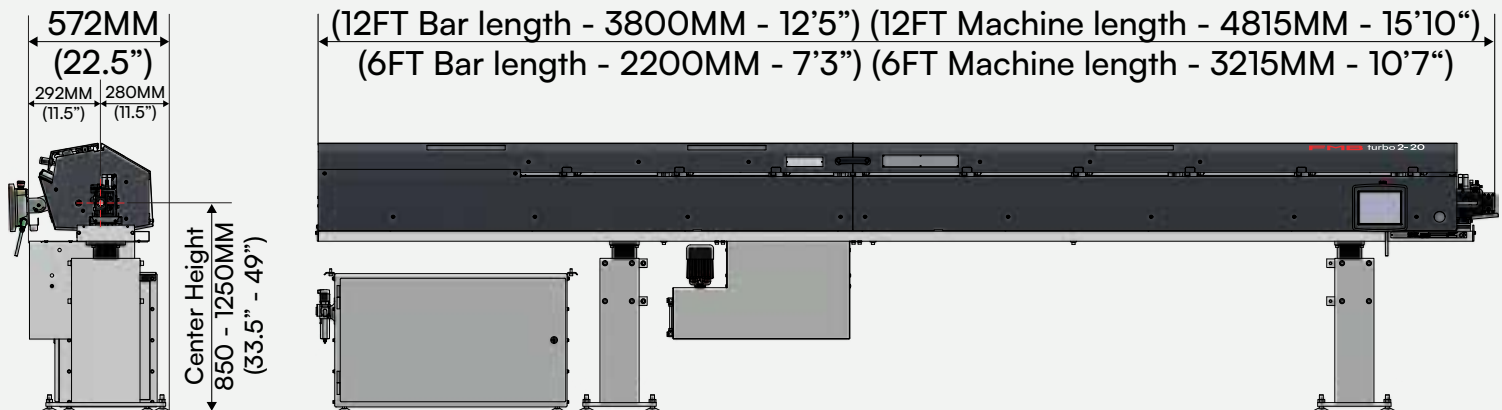
Technical Data

Bar diameter 2mm - 23mm (0.078" - 0.905")	Operating voltage 230-400 V/60 Hz - 3 phase
Bar length 1000mm - 3800mm (39.4" - 12'5")	Control voltage 24V DC
Magazine rack capacity 177.8mm (7")	Oil capacity 50 liters (13.2 gallons)
Maximum remnant length 420mm (16.5")	Oil viscosity ISO 64 cST - Machine oil ISO BG32 - Air oil
Bar loading cycle time Approx. 25 sec for 12' bars	Compressed air supply (6 bar) - 90 psi
Feed force (pusher torque) Max 300 N, adjustable	Compressed air consumption ~3 liters per loading cycle
Forward feed rate 300mm/sec (710in/min) max, adjustable	Machine weight (without oil) 749 kg (1650 lbs)
Return feed rate 601mm/sec (1420in/min) max, adjustable	Material straightness specification 0.007" TIR/foot of material (V blocks, 6" equidistant)
Power consumption 1.5 kW/2 kVA	

Guide Channel Sizes

Guide Channel Sets	Pusher Dia.	Min. Bar Size	Max. Bar Size	Max. Bar Size with Front Remnant Expulsion*
Ø 5mm	5mm	2mm (0.078")	4mm (0.157")	5mm (0.196")
Ø 7mm	7mm	2mm (0.078")	6.4mm (0.250")	7mm (0.275")
Ø 10mm	10mm	3mm (0.118")	8mm (0.315")	10mm (0.393")
Ø 12mm	12mm	2.4mm (0.094")	10.4mm (0.409")	12mm (0.472")
Ø 13mm	13mm	3mm (0.118")	11.1mm (0.437")	13mm (0.511")
Ø 15mm	15mm	5mm (0.196")	13mm (0.511")	15mm (0.590")
Ø 18mm	18mm	6.5mm (0.255")	16mm (0.629")	18mm (0.708")
Ø 20mm	20mm	8mm (0.315")	18mm (0.708")	20mm (0.787")
Ø 22mm	22mm	8mm (0.315")	20mm (0.787")	22mm (0.866")
Ø 23mm	23mm	10mm (0.393")	20mm (0.787")	23mm (0.905")

* This max diameter is attainable only if remnant is ejected through the lathe spindle or if one end of the bar stock is turned down to a smaller O.D. to accept a small O.D. collet.



Edge Technologies

Bar feeding has remained the focus at Edge Technologies for 40+ years. Experience and range of model offerings drive our customer-based approach to solving your bar feeding needs. Service, parts, and technical support have always been the backbone of the company, because we understand that performance and up-time of a bar feeder is a difference maker to your bottom line.

Scan here for more information about the FMB Turbo 2-20



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