

FMB Turbo 20-100

Automatic Magazine Bar Feeder for Fixed Headstock CNC Lathes

EDGE ○○○
TECHNOLOGIES



*Diameter range: 10mm to 90mm (0.393" to 3.540")
100mm (4.000") max with bar prep.*

Bar length: 1000mm to 4200mm (39.4" to 13'8")



Quick Change Guide Channels.

Change guide channels in minutes to accommodate other bar stock diameters.



Heavy Material Handling.

Constructed with a cast iron frame, the 20-100 dampens vibrations for bars up to 4".



Auto Adjust option. Change diameters automatically from one size to another by changing two parameters on the controller.

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Technical Specifications

Bar diameter

20mm - 100mm (0.787" - 4.000")

Bar length

1000mm - 4200mm (39.4" - 13'8")

Magazine rack capacity

304mm (12")

Magazine rack angle

adjustable 6-20°

Maximum remnant length

650mm (25.59")

Bar loading cycle time

Approx. 45 sec for 12' bars

Feed force (pusher torque)

Max 2000 N, adjustable

Forward feed rate

1000mm/sec (2360in/min) max, adjustable

Return feed rate

0-1000mm/sec (0-2360in/min) max, adjustable

Power consumption

3.5 kW/4.375 kVA

Operating voltage

230 - 400 V/60 Hz - 3 phase

Control voltage

24V DC

Oil capacity

80 liters (22 gallons)

Oil viscosity

ISO 150 cST - Machine oil
ISO BG32 - Air oil

Compressed air supply

(6 bar) - 90 psi

Compressed air consumption

~17 liters per loading cycle

Machine weight (without oil)

3720kg (8200lbs)

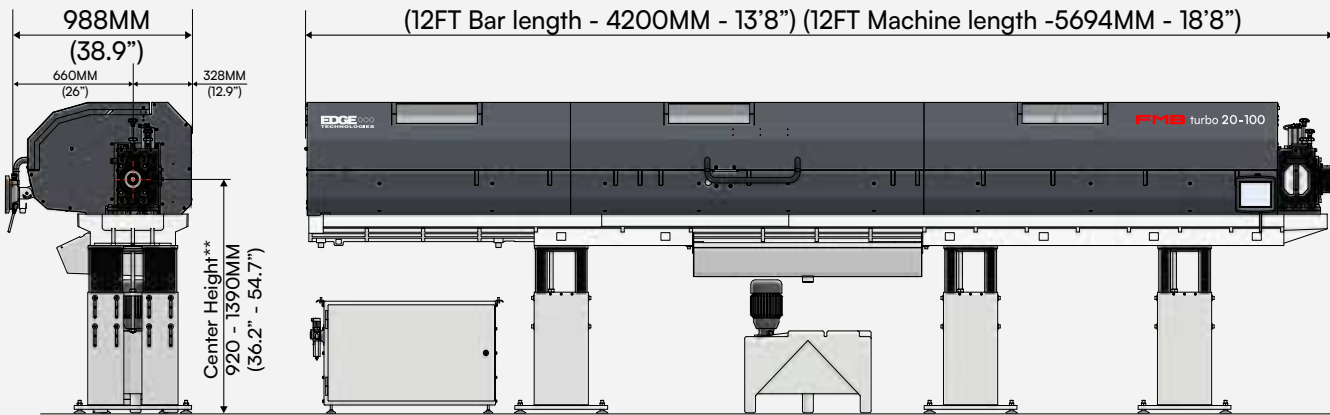
Material straightness specification

0.007" TIR/foot of material (V blocks, 6" equidistant)

Guide Channel Sizes

Guide Channel Sets	Pusher Dia.	Min. Bar Size	Max. Bar Size	Max. Bar Size with Front Remnant Expulsion*
Ø 25mm	25mm	10mm (0.393")	23mm (0.905")	25mm (0.984")
Ø 42mm	42mm	17mm (0.669")	38mm (1.500")	42mm (1.653")
Ø 65mm	65mm	40mm (1.574")	61mm (2.400")	65mm (2.559")
Ø 70mm	70mm	45mm (1.772")	66mm (2.598")	70mm (2.755")
Ø 80mm	80mm	51mm (2.000")	76.2mm (3.000")	80mm (3.152")
Ø 90mm	90mm	60mm (2.362")	86mm (3.380")	90mm (3.540")
Ø 100mm	100mm	65mm (2.550")	90mm (3.540")	100mm (4.000")

* 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 breadth of model offerings drive our customer-centric 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 20-100

