

FMB Turbo 4-52

Automatic Magazine Bar Feeder for Fixed Headstock CNC Lathes

EDGE 
TECHNOLOGIES

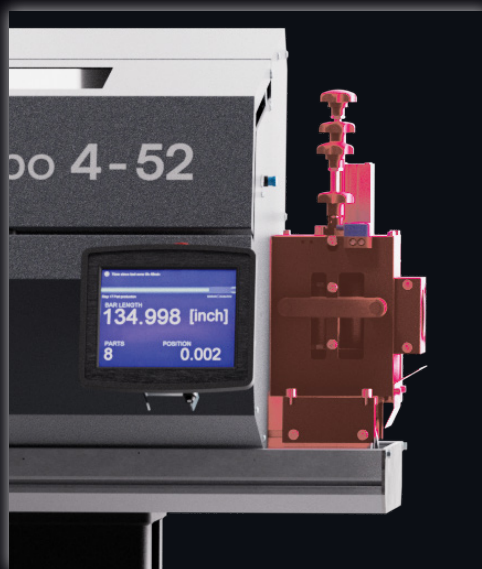


*Diameter range: 4mm to 51mm (0.157" to 2.007")
55mm (2.165") max with bar prep.*

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



Enhanced safety features. A protected gripper and redundant safety switches allow the hood to be open to reload bars during Auto.



Outboard steady rest. The outboard steady rest supports the bar right before it enters the spindle, drastically reducing bar whip and vibration.



Sliding remnant tray. The remnant tray slides out, making unloading easier

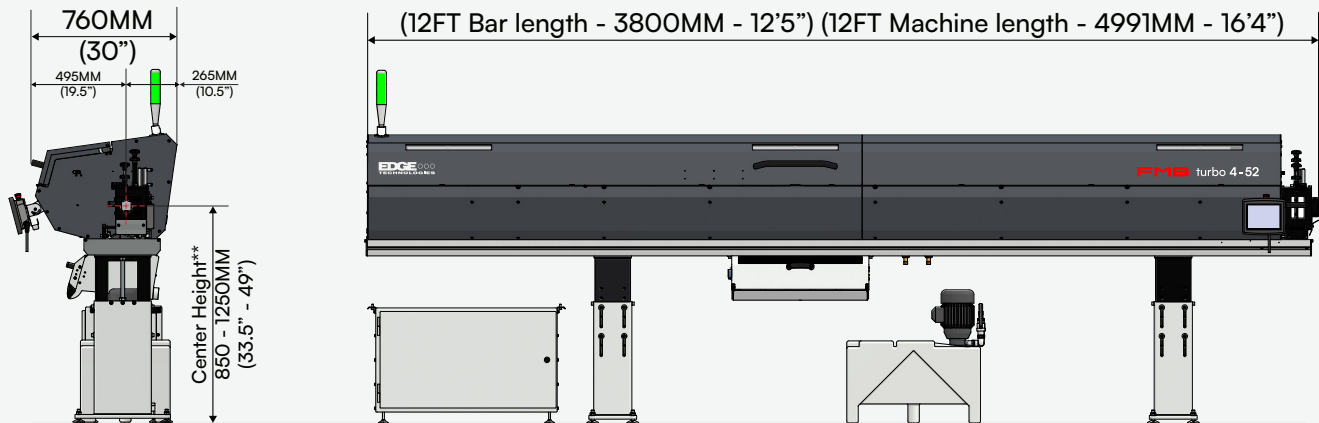
Technical Specifications

Bar Diameter 4mm - 55mm (0.157" - 2.165")	Operating Voltage 230-400 V/60 Hz - 3 phase
Bar Length 1000mm - 3800mm (39.4" - 12'5")	Control Voltage 24V DC
Magazine Rack Capacity 300mm (11.75")	Oil Capacity 80 liters (22 gallons)
Maximum Remnant Length 480mm (18.90")	Oil Viscosity ISO 150 cST - Machine oil ISO BG32 - Air oil
Bar Loading Cycle Time Approx. 30 sec for 12' bars	Compressed Air Supply (6 bar) - 90 psi
Feed Force (Pusher Torque) Max 750 N, adjustable	Compressed Air Consumption ~10 liters per loading cycle
Forward Feed Rate 1000mm/sec (2360in/min) max, adjustable	Machine Weight (w/out Oil) 1701 kg (3750lbs)
Return Feed Rate 698.5mm/sec (0-1650in/min) max, adjustable	Material Straightness Specification 0.007" TIR/foot of material (V blocks, 6" equidistant)
Power Consumption 2 kW/2.5 kVA	

Guide Channel Sizes

Guide Channel Sets	Pusher Dia.	Min. Bar Size	Max. Bar Size	Max. Bar Size with Front Remnant Expulsion*
Ø 10mm	10mm	4mm (0.157")	8mm (0.315")	10mm (0.393")
Ø 15mm	15mm	5mm (0.196")	13mm (0.511")	15mm (0.590")
Ø 20mm	20mm	6mm (0.236")	17.5mm (0.688")	20mm (0.787")
Ø 25mm	25mm	10mm (0.393")	23mm (0.905")	25mm (0.984")
Ø 32mm	32mm	10mm (0.393")	29mm (1.141")	32mm (1.259")
Ø 36mm	36mm	12.7 (0.500")	33mm (1.299")	36mm (1.417")
Ø 38mm	37 or 38mm	12.7 (0.500")	35mm (1.378")	38mm (1.500")
Ø 42mm	42mm	17mm (0.669")	38.5mm (1.515")	42mm (1.653")
Ø 45mm	45mm	19mm (0.750")	42mm (1.653")	45mm (1.771")
Ø 51mm	51mm	25.4mm (1.000")	48.7mm (1.917")	51mm (2.007")
Ø 55mm	55mm	25.4mm (1.000")	51mm (2.007")	55mm (2.165")

* 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.