

# FMB Turbo RS 4-45

Automatic Magazine Bar Feeder for Sliding Headstock CNC Lathes

**EDGE**   
**TECHNOLOGIES**



*Diameter range: 4mm to 42mm (0.157" to 1.653")  
45mm (1.771") max with bar prep.*

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



**RS technology.** This expands our Revolutionary Sliding (RS) line to encompass 45mm bars. As raw material travels, a sliding guide module and moving steady rest provide support in the transition zone between bar feed and lathe.



**Easy bar diameter adjustment.** With a single toolless motion, adjust the entire magazine to the desired stock diameter.



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

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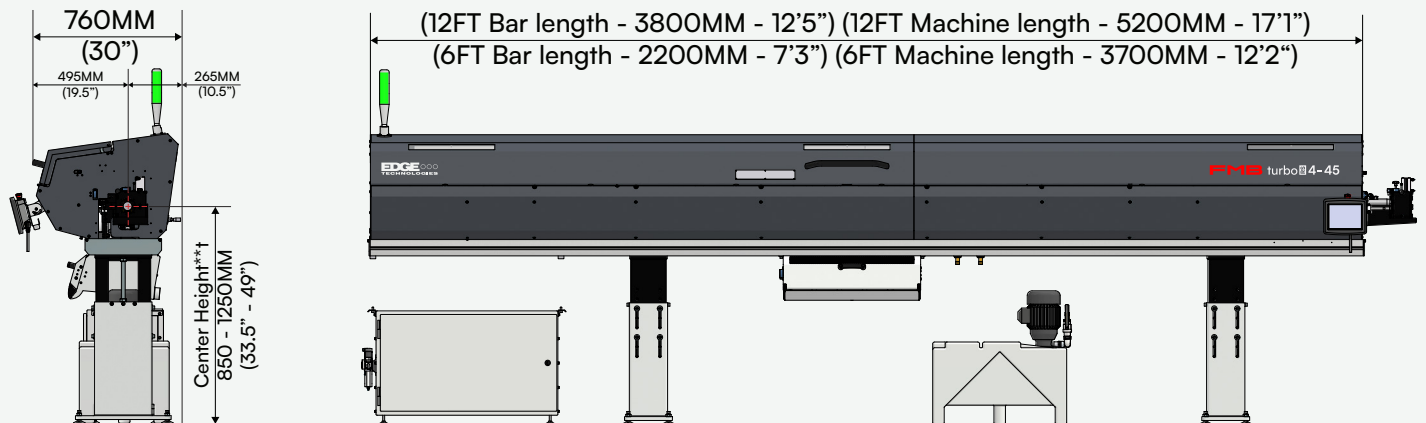
## Technical Specifications

<b>Bar Diameter</b> 4mm - 45mm (0.157" - 1.771")	<b>Operating Voltage</b> 230-400 V/60 Hz - 3 phase
<b>Bar Length</b> 1000mm - 3800mm (39.4" - 12'5")	<b>Control Voltage</b> 24V DC
<b>Magazine Rack Capacity</b> 300mm (11.75")	<b>Oil Capacity</b> 80 liters (22 gallons)
<b>Maximum Remnant Length</b> 480mm (18.89")	<b>Oil Viscosity</b> ISO 100 cST - Machine oil ISO BG32 - Air oil
<b>Bar Loading Cycle Time</b> Approx. 25 sec for 12' bars	<b>Compressed Air Supply</b> (6 bar) - 90 psi
<b>Feed Force (Pusher Torque)</b> Max 750 N, adjustable	<b>Compressed Air Consumption</b> ~10 liters per loading cycle
<b>Forward Feed Rate</b> 1000mm/sec (2360in/min) max, adjustable	<b>Machine Weight (w/out Oil)</b> 1701 kg (3750lbs)
<b>Return Feed Rate</b> 2000mm/sec (4720in/min) max, adjustable	<b>Material Straightness Specification</b> 0.007" TIR/foot of material (V blocks, 6" equidistant)
<b>Power Consumption</b> 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")

\* 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.