

# ML<sup>3</sup> Series ATS Bar Feeders

**Reliability By Design**

## 3-YEAR WARRANTY

Standard Terms  
With ATS Systems  
Installation and Training

## 100% ELECTRIC OPERATION

- ✓ 3 electric motors run it all
- ✓ No pneumatics or air compressor is required
- ✓ No water traps to drain or seals to wear

## PROVEN MECHANICAL DESIGN

- ✓ The ML<sup>3</sup> reload process is quick, efficient, and reliable
- ✓ 90% of the mass is below the centerline for maximum rigidity and balance
- ✓ Faster setups thanks to open-top design
- ✓ Easily change lathe spindle liners without moving the barfeed
- ✓ X-axis slide mechanism for full access to the rear of the spindle



## EASYSETUP WITH ALL LATHES

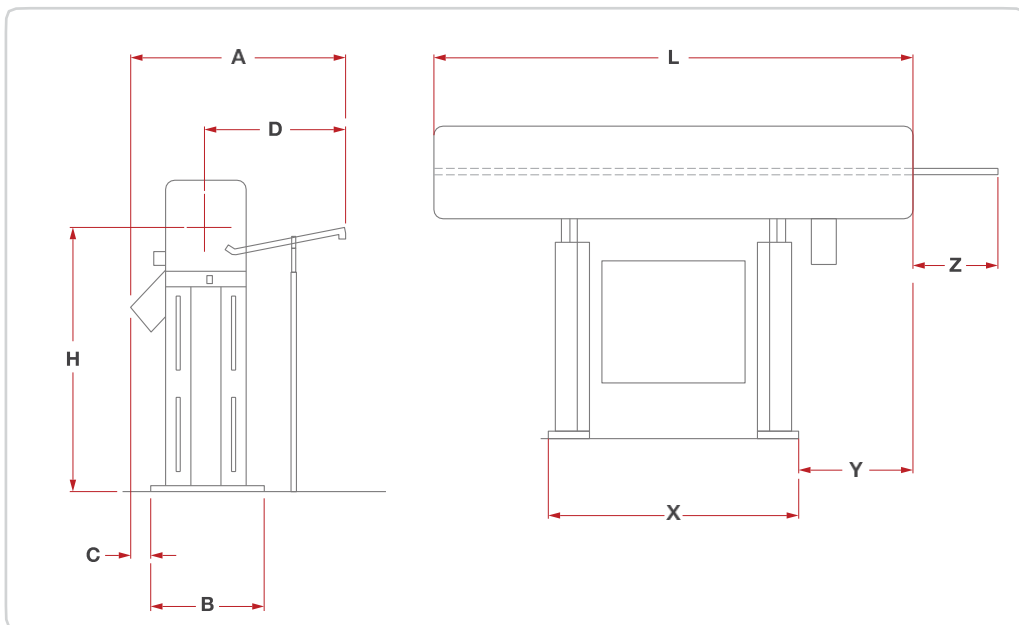
- ✓ “Quick-setup wizard” prompts entry of five parameters
- ✓ Store 250 part setup programs for repeat jobs
- ✓ Automatically makes mechanical adjustments for bar diameter and workpiece length



Setup Parameter	Current Value	Enter New Value
Bar Diameter	2.000 Inches	2.000
Feedout Length Per Push	2.000 Inches	2.000
Reload Position	2.000 Inches	2.000
Barfeed, Magazine, Chucking Parts Stop	Barfeed	Barfeed
Turret Stop or Position Mode	Position	Position
End Of Bar	3.250 Inches	3.250
	Exit	Save
		Inch Metric

# ML<sup>3</sup> Series ATS Bar Feeders Specifications

ML<sup>3</sup> Series



DIMENSION	INCHES
<b>ML</b>	
A	46
B	19
C	9
D	14
H Max	46.2
H Min	32.5
L	83
X	47
Y	14
Z Max	65

## ML<sup>3</sup> Series Model Features

### MX/MD SERIES BARFEED

Features	ML <sup>3</sup> -565	ML <sup>3</sup> -580	ML <sup>3</sup> -595
Min/Max Bar Diameter	0.2 - 2.56	0.2 - 3.13	0.2 - 3.75
Max Bar Length-In	60		
Max Stroke-In	65		
Approximate Changeover Time	Up to 2 minutes + spindle liner change		
Materials Tray Capacity, 1" Diameter Bars	25 Bars		
Weight Net / Gross lbs.	850/1260		
Reloading Driven by	Electric Motor		
Feeding Driven by	400W Servo Motor		
Feeding Method	Feed to Turret, Serve Feed, Sub-Spindle Pull		

**Note:** Feeding tolerance: Servo = $\pm$ 0.004" subject to bar condition and workholding. Feeding to turret and sub-spindle pull governed by lathe accuracy ( $\pm$ 0.0005" typical)

**Workholding:** Ultimate Chuck | Air Chucks | Cylinders | Collet Chucks | Steady Rests | 5th Axis  
**Coolant Management:** High-Pressure Filtration | Chillers | Mist Collection | MasterAll Fluids  
**Automation:** Bar Feeders | Rotary Tables | Xcellerate | Tombstones | Trunnions | Indexers

