



EAGLE 551-12

MTA INTERNATIONAL

12' Hydrodynamic BAR FEEDER for fixed headstock and swiss type lathes

12 Foot

- **HIGH SPEED**
- **PRECISION**

**A BAR FEEDER DESIGNED AND BUILT
TO UPGRADE YOUR TURNING EFFICIENCY.**



- ▶ **Space saving design** (approx. 14'8" in overall length).
- ▶ **Accepts 12' bar stock** (random & shorter lengths also) (round/hex/shaped)
[Example - capacity would equal 28pcs/10mm bars x 12' (336 linear feet)]
- ▶ **Automatic remnant retract** standard
- ▶ **Hydrodynamic capacity guide channel**, constructed with metal U type channel with spring steel sections enveloped by composite (urethane type) material, absorbs vibration & noise, allowing for smooth and stable high speed turning operations throughout the broad ranges of channel capacity
- ▶ **Front Bushing** device acts as steady rest for bar stock and is pneumatically opened and closed in conjunction with the controller and overall bar length
[Normal range is 1.5mm] Lubrication takes place while blocks are closed.
- ▶ **Siemens controller** combines with servo feeding system for intelligent control and high accuracy. LCD displays operation status. Additional remote controller provides flexibility and mobility for test and parameter adjustment. Interfacing is convenient with all CNC lathes. Adjustable speeds and feeds.
- ▶ Rectangular Mannesmann Beam steel construction and heavy duty bases
- ▶ 200/220V operation
- ▶ Air Pressure range 6kg/cm²

▶ **OPTIONAL SYNCHRONIZATION** is available for SWISS TYPE (sliding headstock) machines in the 25/32/38mm range -- **Synchronization** device is directly connected, which allows for fast forward and back movement of headstock without feeding pressure and no bar distortion. (threading or pecking operations)

▶ **Choice of capacity set (1 included)**(please select @ time of order)

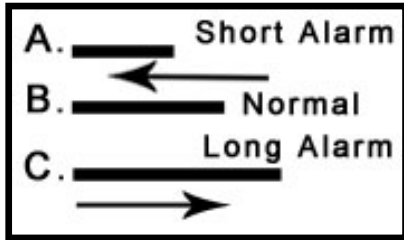
“52” = 1-1/4” – 2” (1-5/8”) * “45” = 1” - 1-1/2” (1-3/4”) *

“42” = 3/4” – 1-1/2” (1-3/4”) * “36” = 1/2” – 1-1/4” (1-3/8”) * “32” =

3/8” – 1-1/8” (1-1/4”) * “25” = 1/4” – 7/8” (1.00”) *

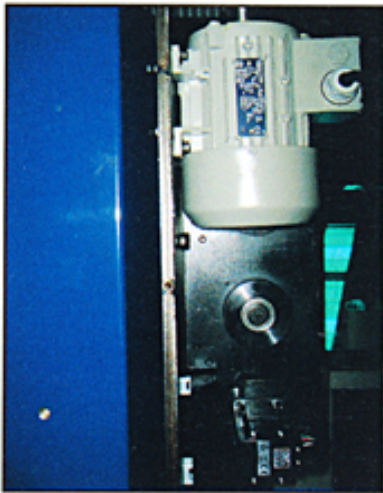
▶ **Included** -1 set STEADY REST blocks (choice of size/required @ time of order)

▶ **Included** – 1 bar stock pusher collet (choice of size/required @ time of order)



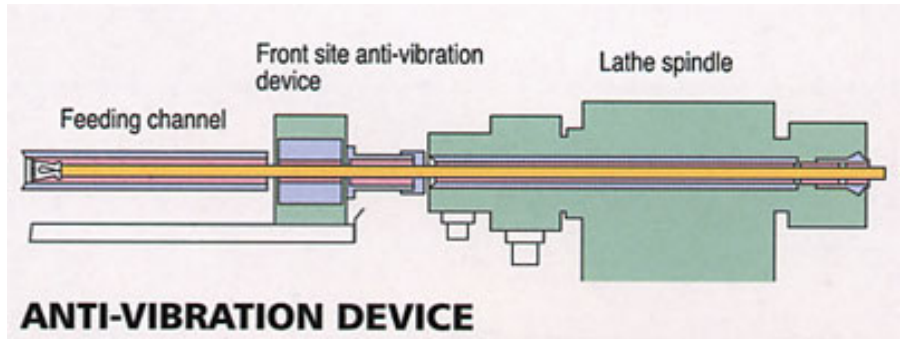
**CONFIRMATION
DEVICE LENGTH**

Self-detection and LCD display for too long and too short feeding and malfunctions.



**SERVO FEEDING
SYSTEM**

Siemens PLC Controller

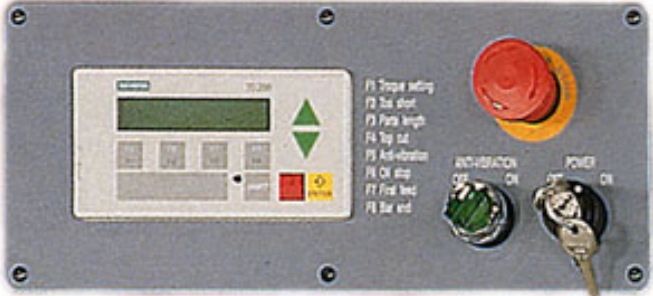


The anti-vibration device is built between the feeder and the lathe. The bushing diameter is extremely close to the bar size. The entire device is circulation lubricated to effectively prevent vibration of in-feed material and ensure turning component accuracy. The device can be opened to allow the pusher to pass through. When changing bar size, the brush should be changed too.



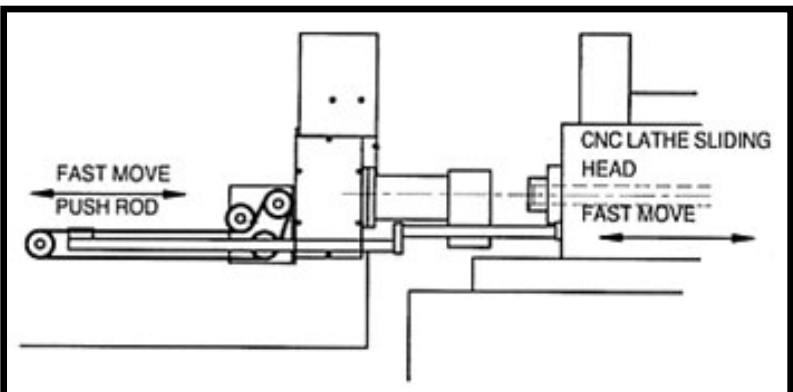
**AUXILIARY REMOTE
CONTROLLER**

- The remote control box gives maximum operation convenience
- Employs Siemens controller for intelligent control. The LCD displays operation and function status for maximum operation convenience and fast troubleshooting.



CLAMPING DEVICE

- The clamping device features detection function for remaining material and lack of material
- A hydraulic guide channel minimizes vibration and noise permitting high speed turning operations to run smoothly and with stability.



SYNCHRONIZATION (OPTIONAL)

Especially ideal for use with a sliding headstock lathe. It allows for fast forward and backward movement with headstock without feeding pressure from bar feeder.

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