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Edge Technologies’ Minuteman 320 SE / Magazine Bar Feeder
For Swiss or fixed headstock lathes. Runs up to 12’ bars in a diameter range of 3 mm to 26 mm.

Specifications
• Bar diameter capacity: 3 mm to 26 mm (.118” to 1.062”)
• Automatic loading magazine — 10 linear inches of rack capacity
• Double pusher, space saving design
• Polyurethane Quick Change guide channel — noise & vibration dampening
• Hydrodynamic support via high volume oil flow into channels
• Mitsubishi motion control — dependable and user friendly, allows easy bar feeder parameter changes
• Dual anti-vibration devices—one internal to the bar feeder, the other mounted between the telescopic nose and the lathe headstock.

Standard Features
• (1) Guide channel set to be chosen by customer. Several sizes to choose from, each handling a specific stock range. See chart on next page (spindle liner required if channel set is not lathe’s max capacity)
• (1) Standard telescoping front nose matched to the guide channel set
• (1) O.D. bar stock collet (to be chosen by customer, specific collet needed for each stock diameter)
• Swiss headstock synchronization device
• Automatic remnant retraction, self centering gripper
• Custom lathe cable and interface plugs

List Price
Minuteman 320 12’ .................................................................. $21,500.00
Minuteman 320 12’ 2 Guide Channel Set Complete Package
Includes (2) Channel Sets, (2) Pushers (2) Telescopic Noses & (2) Pusher Collets ........................................................................ $23,495.00
Minuteman 320 6’ .................................................................. $18,500.00
Minuteman 320 6’ 2 Guide Channel Set Complete Package
Includes (2) Channel Sets, (2) Pushers (2) Telescopic Noses & (2) Pusher Collets ........................................................................ $20,495.00
Installation ........................................................................... $3,100.00 net price

Includes
(1) Guide channel set to be chosen by customer
(1) Standard telescopic nose to match guide channel set
(1) O.D. bar stock pusher collet
(1) Custom lathe cable and interface plug

Optional Accessories
Additional guide channel set (includes pusher, revolving tip, standard telescopic nose and spindle liner) ................................................. $2,750.00
Spindle liner (needed when opting for a guide channel set smaller than the lathe’s capacity set) .......................................................... $420.00
Bar stock pusher collets .................................................................................. $90.00
Moveable anti-vibration bushing blocks required for profiled material, available in 8mm, 16mm & 22mm .................................................... $110.00
High voltage kit (required for some lathes) ....................................................... $1,500.00
Minuteman 320 SE available in extended length versions ......................... Contact Edge Sales

Technical Specifications
Bar diameter capacity—no bar prep: 3 mm to 25.4 mm (.118” to 1.00”)
Bar diameter capacity—with bar prep: 3 mm to 27 mm (.118” to 1.062”)
Maximum bar length: 3800 mm (12 feet 5 inches)
Maximum remnant length: 420 mm (16.5”)
Bar loading cycle time: 35 seconds for 12-foot bar
Material straightness specification: .007” TIR/foot of material (V blocks, 3 points equidistant)
Feed force (pusher torque): max 450 N, adjustable
Forward feed rate: 1400 inches/minute max, adjustable
Return feed rate: 2360 inches/minute max, adjustable
Power consumption: 1.5 kW
Operating voltage: 230V/60Hz 3-phase
Control voltage: 24V DC
Oil capacity: 46 liters (12 gallons)
Oil viscosity: ISO 100 CST
Compressed air supply: 6 bar (90 psi)
Compressed air consumption: approx. 8 liters per loading cycle
Machine weight: 1,320 lbs

Minuteman 320 SE
3785mm (12’5”) max bar length 12’ version
2200mm (7’3”) max bar length 6’ version
4370mm 12’ version
22mm (0.866”) O.D.
25.4mm (1.0”) O.D.
50mm (2”) O.D.
135mm (5.312”) O.D.
135mm (5.312”) O.D.
3785mm (12’5”) max bar length 12’ version
2200mm (7’3”) max bar length 6’ version
4370mm 12’ version
22mm (0.866”) O.D.
25.4mm (1.0”) O.D.
3785mm (12’5”) max bar length 12’ version
2200mm (7’3”) max bar length 6’ version
4370mm 12’ version
22mm (0.866”) O.D.
25.4mm (1.0”) O.D.
3785mm (12’5”) max bar length 12’ version
2200mm (7’3”) max bar length 6’ version
4370mm 12’ version
22mm (0.866”) O.D.
25.4mm (1.0”) O.D.
3785mm (12’5”) max bar length 12’ version
2200mm (7’3”) max bar length 6’ version
4370mm 12’ version
22mm (0.866”) O.D.
25.4mm (1.0”) O.D.
900mm-1200mm
128mm 367mm

Warranty and lifetime phone support
Edge Technologies’ bar feeders come with a one-year parts and labor warranty. Edge Technologies provides free phone support to the original owner as long as you own the equipment.

Installation
We recommend that an Edge Technologies authorized technician perform the installation, verification, and training on your bar feeder system. The $3,100 is a net price and is a “per trip” price. In order to achieve effective and comprehensive training and run-off, it is advised that the lathe be tool-up, program ready, and capable of making parts prior to the arrival of Edge Technologies’ Service Technician. Return visits due to post run-off re-installations or a lack of customer and/or dealer readiness will be billed at $125.00/hour labor and $85.00/hour travel plus expenses.

Machine weight: 1,320 lbs
Specifications

- Bar diameter capacity: 3 mm to 38 mm (.118” to 1.500”)
- Automatic loading magazine — 12 linear inches of rack capacity
- Double pusher, space saving design
- Polyurethane guide channel system — noise & vibration dampening
- Quick change guide channels and pusher
- Hydrodynamic support via high volume oil flow into channels
- Mitsubishi motion control — dependable and user friendly, allows easy bar feeder parameter changes
- 36 part program memory storage for quick changeover
- Dual anti-vibration devices — one external to the bar feeder, the other mounted between the telescopic nose and the lathe headstock.

Standard Features

- (1) Guide channel set to be chosen by customer. Several sizes to choose from, each handling a specific stock range. See chart on next page (spindle liner required if channel set is not lathe’s max capacity)
- (1) Standard front telescopic nose to match guide channel set
- (1) O.D. bar stock collet (to be chosen by customer, specific collet needed for each stock diameter)
- (1) Pushing block for outboard anti-vibration device to be chosen by customer based on bar diameter
- Automatic remnant retraction, self-centering gripper
- Synchronization device and Swiss lathe adaption kit
- Custom lathe cable and interface plugs
- Air knife with flow control valve

List Price

Edge Patriot 338 12’ 2 Guide Channel Set Complete Package
Includes (2) Channel Sets, (2) Pushers, (2) Telescopic Noses, (2) Pusher Collets & (2) Sets of Bushing Blocks .................................................................................$31,100.00

Edge Patriot 338 8’ 2 Guide Channel Set Complete Package
Includes (2) Channel Sets, (2) Pushers, (2) Telescopic Noses, (2) Pusher Collets & (2) Sets of Bushing Blocks .................................................................................$29,600.00

Installation .................................................................................................................$3,100.00 net price

Includes

- (1) Guide channel set to be chosen by customer
- (1) Standard telescopic nose to match guide channel set
- (1) Barstock collet
- (1) Outboard anti-vibration device bushing block set
- (1) Swiss style synchronization and lathe adaption kit
- (1) Custom lathe cable and interface plug

Optional Accessories

Additional guide channel set (includes pusher, revolving tip, standard telescopic nose & spindle liner) ..................................................................................................................$3,250.00
Spindle liner (needed when selecting a guide channel set other than the lathe’s maximum capacity) ..................................................................................................................$420.00
Bar stock pusher collets (specific collet required for each bar diameter);
Pusher collet for bar stock O.D.’s up to 38mm ................................................................$125.00
Bushing blocks for outboard anti-vibration device (set required for every stock diameter) ..................................................................................................................$120.00
Moveable anti-vibration bushing blocks required for profiled material (8mm - 20mm - 30mm) .................................................................................................................$120.00
High Voltage Kit (required for some lathes) ..................................................................................$1,500.00

Technical Specifications

Bar diameter capacity—no bar preparation: 3 mm to 35.0 mm (.118” to 1.377”)
Bar diameter capacity—with bar preparation: 3 mm to 38 mm (.118” to 1.500”)
Maximum bar length: 3800 mm (12 feet 6 inches)
Minimum bar length: 1000 mm (39.4")
Max. remnant length: 406 mm (16")
Magazine rack capacity: 12"
Bar loading cycle time: 30 seconds for 12-foot bar
Material straightness specification: .007/"TIR/foot of material (V blocks, 3 points equidistant)
Feed force (pusher torque): max 450 N, adjustable
Forward feed rate: 750 inches/minute max, adjustable
Return feed rate: 1000 inches/minute max, adjustable
Power consumption: 1.5 kW
Operating voltage: 230V/60Hz 3-phase
Control voltage: 24V DC
Oil capacity: 57 liters (15 gallons)
Oil viscosity: ISO 100 - 63I
Compressed air supply: 6 bar (90 psi)
Compressed air consumption: approx. 8 liters per loading cycle
Machine weight: 2,500 lbs

Installation

We recommend that an Edge Technologies authorized technician perform the installation, verification, and training on your bar feeder system. The $3,100 is a net price and is a “per trip” price. In order to achieve effective and comprehensive training and run-off, it is advised that the lathe be tooled up, program ready, and capable of making parts prior to the arrival of Edge Technologies’ Service Technician. Return visits due to post run-off re-installations or a lack of customer and/or dealer readiness will be billed at $125.00/hour labor and $85.00/hour travel plus expenses.

Warranty and lifetime phone support

Edge Technologies’ bar feeders come with a one-year parts and labor warranty. Edge Technologies provides free phone support to the original owner as long as you own the equipment.
Edge Technologies’ Patriot 551 / Magazine Bar Feeder
For Swiss or fixed headstock lathes. Runs up to 12” bars in a diameter range of 5 mm to 51 mm.

Specifications

- Bar diameter capacity: 5 mm to 51 mm (0.196” to 2.00”)
- Automatic loading magazine — 12 linear inches of rack capacity
- Double pusher, space saving design
- Polyurethane guide channel system — noise & vibration dampening
- Quicker change guide channels and pusher
- Hydrodynamic support via high volume oil flow into channels
- Mitsubishi motion control — dependable and user friendly, allows easy bar feeder parameter changes
- 36 part program memory storage for quick changeover

Standard Features

- (1) Guide channel set to be chosen by customer. Several sizes to choose from, each handling a specific stock range. See chart on next page (spindle liner required if channel set is not lathe's max capacity)
- (1) Front hard nose to match guide channel set
- (1) O.D. bar stock collet (to be chosen by customer, specific collet needed for each stock diameter)
- (1) Set bushing blocks for outboard anti-vibration device - to be chosen by customer based on bar diameter
- Automatic remnant retraction, self centering gripper
- Custom lathe cable and interface plugs

List Price

<table>
<thead>
<tr>
<th>Patriot 551 12’ Guide Channel Set Complete Package</th>
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<tr>
<td>Includes (2) Channel Sets, (2) Pushers, (2) Hard Noses, (2) Pusher Collets &amp; (2) Sets of Bushing Blocks</td>
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<td>Patriot 551 8’ Guide Channel Set Complete Package</td>
<td>$27,500.00</td>
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<tr>
<td>Installation</td>
<td>$3,100.00 net price</td>
</tr>
</tbody>
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Includes

- (1) Guide channel set of your choice (channel sections, pusher, & revolving tip)
- (1) Front nose to match guide channel
- (1) Barstock collet
- (1) Outboard anti-vibration device bushing
- (1) Custom lathe cable and interface plug

Optional Accessories

- Additional guide channel set (includes pusher, revolving tip, nose liner & spindle liner) | $3,250.00 |
- Spindle liner (needed when selecting a guide channel set other than lathe's maximum capacity set) | $420.00 |
- Bar stock pusher collets (specific collet required for each bar diameter)
  - Pusher collet for barstock O.D. up to 38mm | $125.00 |
  - Pusher collet for barstock O.D. 39 to 51mm | $175.00 |
- Front ejection pusher collet for bar stock | $350.00 |
- Bushing blocks for outboard anti-vibration device (set required for every stock diameter) | $120.00 |
- High Voltage Kit (required for some lathes) | $1,500.00 |

Technical Specifications

- Bar diameter capacity—no bar preparation: 5 mm to 47.75 mm (0.196” to 1.880”)
- Bar diameter capacity—with bar preparation: 5 mm to 51 mm (0.196” to 2.00”)
- Maximum bar length: 3600 mm (12 feet 6 inches)
- Minimum bar length: 1000 mm (39.4”)
- Maximum remnant length: 465 mm (18”)
- Magazine capacity:
  - 38 seconds for 12-foot bar
- Material straightness specification: .007”/R” (foot of material w/ blocks, 3 points equidistant)
- Feed force (pusher torque): max 450 N, adjustable
- Forward feed rate: 750 inches/minute max, adjustable
- Return feed rate: 1000 inches/minute max, adjustable
- Power consumption: 1.5 kW
- Operating voltage: 230V/60Hz 3-phase
- Control voltage: 24V DC
- Oil capacity: 57 liters (15 gallons)
- Oil viscosity: ISO 150 cST
- Compressed air supply: 6 bar (80 psi)
- Compressed air consumption: approx. 8 liters per loading cycle
- Machine weight: 2,700 lbs

Installation

We recommend that an Edge Technologies authorized technician perform the installation, verification, and training on your bar feeder system. The $3,100 is a net price and is a “per trip” price. In order to achieve effective and comprehensive training and run-off, it is advised that the lathe be bolted up, program ready, and capable of making parts prior to the arrival of Edge Technologies’ Service Technician. Return visits due to post-run-off reinstallation or a lack of customer and/or dealer readiness will be billed at $125.00/hour labor and $95.00/hour travel plus expenses.

Warranty and lifetime phone support

Edge Technologies bar feeders come with a one-year parts and labor warranty. Edge Technologies provides free phone support to the original owner as long as you own the equipment.
Edge Technologies’ Rebel Ecofeed Short Bar Feeder
Short magazine bar feeder for diameters up to 67 mm

Specifications
- Bar diameter capacity: 5 mm to 67 mm (.196” to 2.63”)
- Bar length capacity: 48” or 60” (spindle length determined by max. bar length)
- Magazine capacity is 25 linear inches
- Mitsubishi PLC controller—powerful & user friendly
- Easy centerline adjustment using sliding scale
- Standard x-axis axial shift device
- Soft load material presentation
- Remote control pendant

Standard Features
- No special material straightness restrictions
- Lathe spindle speed can be maximized
- Material length can be uniform or random
- Material can be round, hexagonal or shaped
- (3) Pushers included: 6 mm, 12 mm, 19 mm
- Pneumatically feeds to a turret stop

List Price
Rebel Ecofeed ................................................................. $12,500.00
Installation ................................................................. $2,600.00 net price

Includes
(3) Pushers: 6 mm, 12 mm, 19 mm
(1) Custom lathe cable and male interface plug

Optional Accessories
Spindle liner—up to 51 mm (as measured by lathe drawtube I.D.) ........................................ $420.00
Spindle liner—greater than 51 mm (as measured by lathe drawtube I.D.) ............................ $580.00
High Voltage Kit (required for some lathes) ................................................................. $1,500.00
V-Tray Kit (required on lathes that have gap between sheet metal & spindle) ............... $500.00
Tall Stands for lathes with spindle center greater than 1250 mm .................................... $695.00

Technical Specifications
- Bar diameter capacity: 5 mm to 67 mm (.196” to 2.63”)
- Maximum bar length:
  - 48” (1.2 m model) (not to exceed spindle length)
  - 60” (1.5 m model) (not to exceed spindle length)
- Magazine rack capacity: 650 mm (25”)
- Bar loading cycle time: 20 seconds
- Power consumption: 1 kW
- Operating voltage: 230V-60Hz single phase
- Control voltage: 24V DC
- Machine Footprint: 63” x 48” (1.2 m model) 75” x 48” (1.5 m model)
- Machine weight: 650 LBS
- Spindle Center Height: 920 mm to 1300 mm (36.25” - 51.125”)
- Air Supply: 5-7 bar (70 - 100psi)

Installation
We recommend that an Edge Technologies authorized technician perform the installation, verification, and training on your bar feeder system. The $2,600 is a net price and is a “per trip” price. In order to achieve effective and comprehensive training and run-off, it is advised that the lathe be tooled up, program ready, and capable of making parts prior to the arrival of Edge Technologies’ Service Technician. Return visits due to post run-off reinstallations or a lack of customer and/or dealer readiness will be billed at $125.00/hour labor and $85.00/hour travel plus expenses.

Warranty and lifetime phone support
Edge Technologies bar feeders come with a one-year parts and labor warranty. Edge Technologies provides free phone support to the original owner as long as you own the equipment.

Interfacing of bar loader to CNC lathe
The Rebel Ecofeed requires that the lathe OEM or dealer has installed their lathe with an authentic magazine bar feeder interface. Among other safety features, the lathe must be capable of opening and closing the chuck in automatic mode via m-codes upon request. Edge Technologies will forward an interface diagram and signal timing chart. Interface connection and the supply of the appropriate interface is the responsibility of the CNC lathe supplier.
Edge Technologies’ Rebel V-65 Servo Short Bar Feeder
Short magazine bar feeder for diameters up to 67 mm

Specifications

- Bar diameter capacity: 5 mm to 67 mm (.196" to 2.63")
- Bar length capacity: 48" or 60" (spindle length determined by max. bar length)
- Magazine capacity is 25 linear inches
- Mitsubishi PLC controller—powerful & user friendly
- Easy centerline adjustment using sliding scale
- Standard x-axis axial shift device
- Soft load material presentation
- (3) Pushers included: 6 mm, 12 mm, 19 mm

Standard Features

- Fixed piece feed-out and sub-spindle mode
- Lathe spindle speed can be maximized
- Material length can be uniform or random
- Material can be round, hexagonal or shaped

List Price

Rebel V-65 Servo ............................................................ $16,200.00
Installation ................................................................. $2,600.00 net price

Includes

(3) Pushers: 6 mm, 12 mm, 19 mm
(1) Custom lathe cable and male interface plug

Technical Specifications

- Bar diameter capacity: 5 mm to 67 mm (.196" to 2.63")
- Maximum bar length:
  - 48" (1.2 m model) (not to exceed spindle length)
  - 60" (1.5 m model) (not to exceed spindle length)
- Magazine rack capacity: 650 mm (25")
- Bar loading cycle time: 20 seconds
- Power consumption: 1 kW
- Operating voltage: 230V/60Hz single-phase
- Control voltage: 24V DC
- Machine Footprint:
  - 63" x 48" (1.2 m model)
  - 75" x 48" (1.5 m model)
- Machine weight: 650 lbs
- Spindle Center Height: 920 mm - 1300 mm (36.25" - 51.125")
- Air Supply: 5-7 bar (70 - 100psi)

Installation

We recommend that an Edge Technologies authorized technician perform the installation, verification, and training on your bar feeder system. The $2,600 is a net price and is a “per trip” price. In order to achieve effective and comprehensive training and run-off, it is advised that the lathe be tooling up, program ready, and capable of making parts prior to the arrival of Edge Technologies’ Service Technician. Return visits due to post run-off reinstallations or a lack of customer and/or dealer readiness will be billed at $125.00/hour labor and $85.00/hour travel plus expenses.

Warranty and lifetime phone support

Edge Technologies bar feeders come with a one-year parts and labor warranty. Edge Technologies provides free phone support to the original owner as long as you own the equipment.

Interfacing of bar loader to CNC lathe

The Rebel V-65 Servo requires that the lathe OEM or dealer has installed their lathe with an authentic magazine bar feeder interface. Among other safety features, the lathe must be capable of opening and closing the chuck in automatic mode via m-codes upon request. Edge Technologies will forward an interface diagram and signal timing chart. Interface connection and the supply of the appropriate interface is the responsibility of the CNC lathe supplier.
Edge Technologies’ Rebel 80 Servo Short Bar Feeder

**Specifications**

- **Bar diameter capacity:** 8 mm to 80 mm (.315” to 3.15”)
- **Bar length capacity:** 48”
- **Magazine capacity:** 24 linear inches
- **Complete setup:** in 3 minutes
- **Easy centerline adjustment:** using hand crank
- **Accurate positioning:** without a mechanical stop
- **Material loading cycle time:** 20 seconds
- **Material length:** can be uniform or random
- **Material presentation:** using rotary movement
- **Fixed piece feed-out and sub-spindle mode**
- **Lathe spindle speed:** can be maximized
- **Material can be round, hexagonal, or shaped**
- **(2) Pushers included:** 10 mm, 18 mm

**List Price**

**Rebel 80 Servo**.................................................. $17,200.00

**Installation**............................................. $2,600.00 net price

**Includes**

- (2) Pushers: 10 mm, 18 mm
- (1) Custom lathe cable and male interface plug

**Technical Specifications**

- **Bar diameter capacity:** 8 mm to 80 mm (.315” to 3.15”)
- **Maximum bar length:** 48” (not to exceed spindle length)
- **Magazine rack capacity:** 610 mm (24”)
- **Bar loading cycle time:** 20 seconds
- **Power consumption:** 1 kW
- **Operating voltage:** 200 to 415V/60Hz single-phase
- **Control voltage:** 24V DC
- **Machine Footprint:** 74” x 44”
- **Machine weight:** 900 lbs
- **Spindle Center Height:** 875 mm – 1275 mm (34.5” – 50.125”)

**Installation**

We recommend that an Edge Technologies authorized technician perform the installation, verification, and training on your bar feeder system. The $2,600 is a net price and is a “per trip” price. In order to achieve effective and comprehensive training and run-off, it is advised that the lathe be topped up, program ready, and capable of making parts prior to the arrival of Edge Technologies Service Technician. Return visits due to post run-off reinstallations or a lack of customer and/or dealer readiness will be billed at $125.00/hour labor and $85.00/hour travel plus expenses.

**Warranty and lifetime phone support**

Edge Technologies bar feeders come with a one-year parts and labor warranty. Edge Technologies provides free phone support to the original owner as long as you own the equipment.

**Interfacing of bar loader to CNC lathe**

The Rebel 80 Servo requires that the lathe OEM or dealer has installed their lathe with an authentic magazine bar loader interface. Among other safety features, the lathe must be capable of opening and closing the chuck in automatic mode via m-codes upon request. Edge Technologies will forward an interface diagram and signal timing chart. Interface connection and the supply of the appropriate interface is the responsibility of the CNC lathe supplier.
Edge Technologies’ Rebel 102 SE - Full Servo Short Bar Feeder

Specifications

- Bar diameter capacity: 8 mm to 102 mm (.315” to 4.00”)
- Bar length capacity: 60” (spindle length determined max. bar length)
- Magazine capacity is 30 linear inches
- Mitsubishi PLC controller—powerful & user friendly
- Full automatic adjust for bar diameter
- Automatic adjusts pusher thrust for bar size
- Soft load material presentation
- Spindle liner storage included on rear of stand

Technical Specifications

- Bar diameter capacity: 8 mm to 102 mm (.315” to 4.00”)
- Maximum bar length: 60” (Not to exceed spindle length)
- Magazine rack capacity: 30”
- Bar loading cycle time: 18 seconds
- Power consumption: 1 kW
- Operating voltage: 230V/60Hz 3-phase
- Control voltage: 24V DC
- Machine Footprint: 84” x 48”
- Machine weight: 1,100 lbs
- Bar weight: 175 lbs per bar (1500 lbs magazine max)

Installation

We recommend that an Edge Technologies authorized technician perform the installation, verification, and training on your bar feeder system. The $2,600 is a net price and is a “per trip” price. In order to achieve effective and comprehensive training and run-off, it is advised that the lathe be tooled up, program ready, and capable of making parts prior to the arrival of Edge Technologies’ Service Technician. Return visits due to post run-off reinstallations or a lack of customer and/or dealer readiness will be billed at $125.00/hour labor and $85.00/hour travel plus expenses.

Warranty and lifetime phone support

Edge Technologies bar feeders come with a one-year parts and labor warranty. Edge Technologies provides free phone support to the original owner as long as you own the equipment.

Interfacing of bar loader to CNC lathe

The Rebel 102 requires that the lathe OEM or dealer has installed their lathe with an authentic magazine bar feeder interface. Among other safety features, the lathe must be capable of opening and closing the chuck in automatic mode via m-codes upon request. Edge Technologies will forward an interface diagram and signal timing chart. Interface connection and the supply of the appropriate interface is the responsibility of the CNC lathe supplier.
FMB Micromag 0.8 - 20’ Magazine Bar Feeder
For Swiss or fixed headstock lathes. Runs up to 12’ bars in a diameter range of 0.8 mm to 20 mm.

Specifications
- Bar diameter capacity: 0.8 mm to 20 mm (.031” to .787”)
- Automatic loading magazine — 9 linear inches of rack capacity
- Walking beam bar separation system (patent pending)—drops out of the way when running larger diameter bars
- Polyurethane guide channel system — noise & vibration dampening:
- Ultra quick change guide channels and pusher—10 minute full changeover, 3 minute changeover within same channel set
- Hydrodynamic support via high volume oil flow into channels
- Omron motion control — dependable and user friendly, allows easy bar feeder parameter changes
- Bearing block steady rest. Super rigid design is mounted to base of the machine to provide maximum support of bar stock and pusher
- Separate floor mounted electric cabinet isolates electronics from vibration

List Price
- FMB Micromag 12’ Guide Channel Set Complete Package
  Includes (3) Channel Sets, (2) Pushers, (2) Nose Liners, (2) Pusher Collets & (2) Sets of Bushing Blocks. $35,395.00
- $3,100.00 net price

Includes
- (1) Guide channel set of your choice (channel sections, pusher, & revolving tip)
- (1) Universal telescoping front nose and (1) nylon nose I.D. liner specific to pusher
- (1) O.D. bar stock collet (to be chosen by customer, specific collet needed for each stock diameter)
- Swiss headstock synchronization device
- Automatic remnant retraction, self centering gripper
- Custom lathe cable and interface plugs
- Polyurethane bushing blocks (2 pieces)

Optional Accessories
- Additional guide channel set (includes pusher, revolving tip, nose liner & spindle liner) $2,675.00
- Spindle liner (needed when selecting a guide channel set whose max. bar diameter is smaller than the draw tube of the lathe) $420.00
- Bar stock pusher collets $90.00
- Hex stock high performance pusher collets, Contact Edge Customer Service $90.00

Technical Specifications
- Bar diameter capacity-no bar preparation: 0.8 mm to 20 mm (.031” to .787”)
- Bar diameter capacity-with bar preparation: 0.8 mm to 23 mm (.031” to .905”)
- Maximum bar length: 3800 mm (12 feet 5 inches)
- Minimum bar length: 1000 mm (39.4”)
- Magazine remnant length: 300 mm (12”)
- Magazine rack capacity: 9"
- Bar loading cycle time: 17 seconds for 12 foot bar
- Material straightness specification: .007” TR/foot of material (V blocks, 3 points equidistant)
- Feed force (pusher torque): max 300 N, adjustable
- Forward feed rate: 710 inches/minute max, adjustable
- Return feed rate: 1420 inches/minute max, adjustable
- Power consumption: 1.5 kW
- Oil viscosity: ISO 100 cST
- Compressed air supply: 6 bar (90 psi)
- Compressed air consumption: approx. 3 liters per loading cycle
- Machine weight (without oil): 1,950 lbs
- Installation
- We recommend that an Edge Technologies authorized technician perform the installation, verification, and training on your bar feeder system. The $3,100 is a net price and is a "per trip" price. In order to achieve effective and comprehensive training and run-off, it is advised that the lathe be toed up, program ready, and capable of making parts prior to the arrival of an Edge Technologies Service Technician. Return visits due to post-run-off reinstallations or a lack of customer and/or dealer readiness will be billed at $125.00/hour labor and $85.00/hour travel plus expenses.
- Warranty and lifetime phone support
- FMB bar feeders come with a one-year parts and labor warranty. Edge Technologies provides free phone support to the original owner as long as you own the equipment.

Guide Channel Sets | Pusher Diameter | Minimum Bar Size | Maximum Bar Size | Max. Bar Size With Front Remnant Expulsion *
---|---|---|---|---
Ø 5 mm | 5 mm | 0.8 mm (.031") | 4 mm (.157") | 5 mm (.196")
Ø 7 mm | 7 mm | 1.6 mm (.063") | 6.4 mm (.250") | 7 mm (.275")
Ø 10 mm | 10 mm | 2.4 mm (.094") | 8 mm (.315") | 10 mm (.393")
Ø 13 mm | 13 mm | 2.4 mm (.094") | 11.25 mm (.443") | 13 mm (.511")
Ø 15 mm | 15 mm | 3.2 mm (.125") | 13.5 mm (.531") | 15 mm (.590")
Ø 18 mm | 18 mm | 5.5 mm (.217") | 16 mm (.630") | 18 mm (.706")
Ø 20 mm | 20 mm | 8 mm (.315") | 18 mm (.708") | 20 mm (.787")
Ø 22 mm | 22 mm | 8 mm (.315") | 20 mm (.787") | 22 mm (.866")
Ø 25 mm | 23 mm | 10 mm (.393") | 20 mm (.787") | 23 mm (.905")

Loading Configurations
- Type A/D - Standard
- Type B/C - Optional

Micromag 20
FMB Minimag 20 Magazine Bar Feeder
For Swiss or fixed headstock lathes. Runs up to 12' bars in a diameter range of 2 mm to 20 mm.

Specifications
- Bar diameter capacity: 2 mm to 20 mm (0.078" to .787")
- Automatic loading magazine — 7 linear inches of rack capacity
- Polyurethane guide channel system — noise & vibration dampening
- Ultra quick change guide channels and pusher — 10 minute full changeover, 3 minute changeover within same channel set
- Hydrodynamic support via high volume oil flow into channels
- Omron motion control — dependable and user friendly, allows easy bar feeder parameter changes
- Bearing block steady rest. Super rigid design is mounted to base of the machine to provide maximum support of bar stock and pusher
- Separate floor mounted electric cabinet isolates electronics from vibration

List Price
- FMB Minimag 20 12” $28,995.00
- FMB Minimag 20 12” 2 Guide Channel Set Complete Package
  Includes (2) Channel Sets, (2) Pusher, (2) Nose Liners, (2) Pusher Collets & (2) Sets of Bushing Blocks $31,295.00

Installation $3,100.00 net price

Includes
- (1) Guide channel set of your choice (channel sections, pusher, & revolving tip)
- (1) Universal telescoping front nose and (1) nylon nose I.D. liner specific to pusher
- (1) O.D. bar stock collet (to be chosen by customer, specific collet needed for each stock diameter)
- Swiss headstock synchronization device
- Automatic remnant retraction, self centering gripper
- Custom lathe cable and interface plugs
- Polyurethane bushing blocks (2 piece)

Optional Accessories
- Additional guide channel set (includes pusher, revolving tip, nose liner & spindle liner) $2,675.00
- Spindle liner (needed when selecting a guide channel set whose max. bar diameter is smaller than the draw tube of the lathe) $420.00
- Bar stock pusher collet $690.00
- Hex stock high performance pusher collets Contact Edge Customer Service $90.00
- Polyurethane bushing blocks (one set includes upper & lower pieces) $90.00
- Second Movable Anti-Vibration Device $2,400.00

Standard Features
- (1) Guide channel set to be chosen by customer. Various sizes to choose from, each handling a specific stock range.
- See chart on next page. (spindle liner required if channel set is not lathe’s max capacity)
- (1) Universal telescoping front nose and (1) nylon nose I.D. liner specific to pusher
- (1) O.D. bar stock collet (to be chosen by customer, specific collet needed for each stock diameter)
- Swiss headstock synchronization device
- Automatic remnant retraction, self centering gripper
- Custom lathe cable and interface plugs
- Polyurethane bushing blocks (2 piece)

Technical Specifications
- Bar diameter capacity-no bar preparation: 2 mm to 20 mm (0.078" to .787")
- Bar diameter capacity-with bar preparation: 2 mm to 23 mm (0.078" to .905")
- Maximum bar length: 3800 mm (12 feet 5 inches)
- Minimum bar length: 1000 mm (39.4")
- Magazine reload capacity: 420 mm (16.5")
- Magazine rack capacity: 71
- Bar loading cycle time: 17 seconds for 12 foot bar
- Material straightness specification: 0.007" (5 points/foot of material)
- Feed force (pusher torque): max 300 N, adjustable
- Forward feed rate: 710 inches/minute max, adjustable
- Return feed rate: 1420 inches/minute max, adjustable
- Power consumption: 1.5 kW
- Operating voltage: 230V/50Hz 3-phase
- Control voltage: 24V DC
- Oil capacity: 50 liters (13.2 gallons)
- Oil viscosity: ISO 100 CSt
- Compressed air supply: 6 bar (90 psi)
- Compressed air consumption: approx. 3 liters per loading cycle
- Machine weight (without oil): 1,850 lbs

Installation
We recommend that an Edge Technologies authorized technician perform the installation, verification, and training on your bar feeder system. The $3,100 is a net price and is a "per trip" price. In order to achieve effective and comprehensive training and run-off, it is advised that the lathe be toolled up, program ready, and capable of making parts prior to the arrival of Edge Technologies’ Service Technician. Return visits due to post run-off reinstallation or a lack of customer and/or dealer readiness will be billed at $125.00/hour labor and $85.00/hour travel plus expenses.

Warranty and lifetime phone support
FMB bar feeders come with a one-year parts and labor warranty. Edge Technologies provides free phone support to the original owner as long as you own the equipment.
FMB Turbo 2-20 / Magazine Bar Feeder
For Swiss or fixed headstock lathes. Runs up to 12’ bars in a diameter range of 2 mm to 20 mm.

Specifications
- Bar diameter capacity: 2 mm to 20 mm (.078" to .787")
- Automatic loading magazine — 7 linear inches of rack capacity
- Double pusher, space saving design
- Quick-change polyurethane guide channel system — noise & vibration dampening
- Hydrodynamic support via high volume oil flow into channels
- Omron motion control — dependable and user friendly, allows easy bar feeder parameter changes
- Bearing block steady rest. Super rigid design is mounted to base of the machine to provide maximum support of bar stock and pusher
- Separate floor mounted electric cabinet isolates electronics from vibration
- (1) Guide channel set to be chosen by customer. Eleven sizes to choose from, each handling a specific stock range. See chart on next page. (Spindle liner required if channel set is not lathe’s max capacity)
- (1) Universal telescoping front nose and (1) nylon nose I.D. liner specific to pusher
- (1) O.D. bar stock collet to be chosen by customer, specific collet needed for each stock diameter
- Swiss headstock synchronization device
- Automatic remnant retraction, self centering gripper
- Custom lathe cable and interface plugs
- (1) Polyurethane bushing blocks (2 pieces)

List Price
- Long Pusher Kit (required for some lathes)
- Polyurethane bushing blocks (one set includes upper and lower pieces)
- Hex stock high performance pusher collets
- Bar stock pusher collets
- Spindle liner (needed when selecting a guide channel set whose max. bar diameter is smaller than the draw tube of the lathe)
- Additional guide channel set (includes pusher, revolving tip, nose liner & spindle liner)

List Price
- Turbo 2-20 12’ Guide Channel Set Complete Package
  Includes (2) Channel Sets, (%), Pushers, (2) Nose Liners, (2) Pusher Collets & (2) Sets of Bushing Blocks...
  $31,900.00
- Turbo 2-20 6’ Guide Channel Set Complete Package
  Includes (2) Channel Sets, (%), Pushers, (2) Nose Liners, (2) Pusher Collets & (2) Sets of Bushing Blocks...
  $33,550.00

Installation
- $3,000.00 net price

Optional Accessories
- Additional guide channel set (includes pusher, revolving tip, nose liner & spindle liner)...
  $2,675.00
- Spindle liner (needed when selecting a guide channel set whose max. bar diameter is smaller than the draw tube of the lathe)...
  $420.00
- Bar stock pusher collets...
  $90.00
- Hex stock high performance pusher collets...
  $90.00
- Contact Edge Customer Service
- Polyurethane bushing blocks (one set includes upper and lower pieces)...
  $1,700.00
- Long Pusher Kit (required for some lathes)...
  $2,400.00

Standard Features
- Bar diameter capacity: 2 mm to 20 mm (.078" to .787")
- Automatic loading magazine — 7 linear inches of rack capacity
- Double pusher, space saving design
- Quick-change polyurethane guide channel system — noise & vibration dampening
- Hydrodynamic support via high volume oil flow into channels
- Omron motion control — dependable and user friendly, allows easy bar feeder parameter changes
- Bearing block steady rest. Super rigid design is mounted to base of the machine to provide maximum support of bar stock and pusher
- Separate floor mounted electric cabinet isolates electronics from vibration

Technical Specifications
- Bar diameter capacity-no bar preparation:
  2 mm to 20 mm (.078" to .787")
  Minimum bar length:
  2 mm to 23 mm (.078" to .905")
  Maximum bar length:
  3800 mm (12 feet 5 inches)
- Minimum bar length:
  1000 mm (39.4")
- Magazine remnant length:
  420 mm (16.5")
- Magazine rack capacity:
  7"
- Magazine loading cycle time:
  30 seconds for 12 foot bar
- Material straightness specification:
  .007" T.I.R. foot of material (4 blocks, 3 points equidistant)
- Feed force (pusher torque):
  max 300 N, adjustable
- Forward feed rate:
  710 inches/minute max, adjustable
- Return feed rate:
  1420 inches/minute max, adjustable
- Power consumption:
  1.5 kW
- Operating voltage:
  230V/60Hz 3-phase
- Control voltage:
  24V DC
- Oil capacity:
  50 liters (13.2 gallons)
- Oil viscosity:
  ISO 100 CST
- Compressed air supply:
  6 bar (90 psi)
- Compressed air consumption:
  approx. 3 liters per loading cycle
- Machine weight (without oil):
  1,650 lbs

Installation
- We recommend that an Edge Technologies authorized technician perform the installation, verification, and training on your bar feeder system. The $3,100 is a net price and is a “per trip” price. In order to achieve effective and comprehensive training and run-off, it is advised that the lathe be tooled up, program ready, and capable of making parts prior to the arrival of Edge Technologies’ Service Technician. Return visits due to post run-off re-installations or a lack of customer and/or dealer readiness will be billed at $125.00/hour labor and $85.00/hour travel plus expenses.

Warranty and lifetime phone support
- FMB bar feeders come with a one-year parts and labor warranty. Edge Technologies provides free phone support to the original owner as long as you own the equipment.
FMB Turbo 3-26 / 12' Magazine Bar Feeder
For Swiss or fixed headstock lathes. Runs up to 12' bars in a diameter range of 3 mm to 26 mm.

Specifications
- Bar diameter capacity: 3 mm to 26 mm (118" to 1.023")
- Automatic loading magazine —11 linear inches of rack capacity
- Double pusher, space saving design
- Polyurethane guide channel system — noise & vibration dampening
- Ultra quick change guide channels and pusher—10 minute full changeover, 3 minute changeover within same channel set
- Hydrodynamic support via high volume of flow into channels
- Bosch motion control — dependable and user friendly, allows easy bar feeder parameter changes with remote pendant
- Outboard roller steady rest—quick adjust system and super rigid design. Mounted to base of machine to provide maximum support of bar stock and pusher.
- Separate floor mounted electric cabinet isolates electronics from vibration

Standard Features
- (1) Quick change guide channel set to be chosen by customer. Several sizes to choose from, each handling a specific stock range. See chart on next page. (spindle liner required if channel set is not the machine’s max capacity)
- (1) Universal telescoping front nose and (1) nylon nose I.D. liner specific to pusher
- (1) O.D. bar stock collet (to be chosen by customer, specific collet needed for each stock diameter)
- Swiss headstock synchronization device
- Automatic remnant retraction, self centering gripper
- 48 part program storage

List Price
- FMB Turbo 3-26 12' 2 Guide Channel Set Complete Package
  Includes: (2) Channel Sets, (2) Pushers, (2) Nose Liners & (2) Pusher Collets
  $37,750.00
- FMB Turbo 3-26 12' Guide Channel Set Complete Package
  Includes: (1) Channel Set, (1) Pusher, (1) Nose Liner & (1) Pusher Collet
  $3,100.00 net price
- Installation
  $40,650.00

Optional Accessories
- (1) Guide channel set of your choice (channel sections, pusher, & revolving tip)
- (1) Universal telescopic nose with I.D. liner
- (1) O.D. bar stock pusher collet
- (1) Custom lathe cable and interface plug

Technical Specifications
- Bar diameter capacity—bar preparation: 3 mm to 26 mm (118" to 1.023")
- Bar diameter capacity—with bar preparation: 3 mm to 26 mm (118" to 1.102")
- Magazine rack capacity: 11"
- Bar loading cycle time: 26 seconds for 12-foot bar
- Material straightness specification: .007”TIR/foot of material (V blocks, 3 points equidistant)
- Feed force (pusher torque): max 450 N, adjustable
- Forward feed rate: 1400 inches/minute max, adjustable
- Return feed rate: 2360 inches/minute max, adjustable
- Power consumption: 1.5 kW
- Operating voltage: 230/60Hz 3-phase
- Control voltage: 24V DC
- Oil capacity: 80 liters (22 gallons)
- Oil viscosity: ISO 150 cST
- Compressed air supply: 6 bar (90 psi)
- Compressed air consumption: approx. 10 liters per loading cycle
- Machine weight: 3,025 lbs

Warranty and lifetime phone support
FMB bar feeders come with a one-year parts and labor warranty. Edge Technologies provides free phone support to the original owner as long as you own the equipment.
FMB Turbo 3-38 / Magazine Bar Feeder
For Swiss or fixed headstock lathes. Runs up to 12" bars in a diameter range of 3 mm to 38 mm.

Specifications

- Bar diameter capacity: 3 mm to 38 mm (118° to 1.496")
- Automatic loading magazine — 11 linear inches of rack capacity
- Double pusher, space saving design
- Polyurethane guide channel system — noise & vibration dampening
- Ultra quick change guide channels and pusher — 10 minute full changeover, 3 minute changeover within same channel set
- Hydrodynamic support via high volume oil flow into channels
- Bosch motion control — dependable and user friendly, allows easy bar feeder parameter changes with remote pendant
- Outboard roller steady rest—quick adjust system and super rigid design. Mounted to base of machine to provide maximum support of bar stock and pusher
- Separate floor mounted electric cabinet isolates electronics from vibration

Standard Features

- (1) Quick change guide channel set to be chosen by customer. Several sizes to choose from, each handling a specific stock range. See chart on next page. (spindle liner required if channel set is not lathe's max capacity)
- (1) Universal telescoping front nose and (1) nylon nose I.D. liner specific to pusher
- (1) O.D. bar stock collet (to be chosen by customer, specific collet needed for each stock diameter)
- Swiss headstock synchronization device
- Automatic remnant retraction, self-centering gripper
- Custom lathe cable and interface plugs
- 48 part program storage

List Price

<table>
<thead>
<tr>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Turbo 3-38 12&quot;</td>
<td>$38,750.00</td>
</tr>
<tr>
<td>Turbo 3-38 6&quot; + 2 Guide Channel Set Complete Package</td>
<td>$37,800.00</td>
</tr>
<tr>
<td>Turbo 3-38 6&quot; + 2 Guide Channel Set Complete Package</td>
<td>$40,700.00</td>
</tr>
</tbody>
</table>

Installation

- $3,100.00 net price

Includes

- (1) Guide channel set of your choice (channel sections, pusher, & revolving tip)
- (1) Universal telescopic nose with I.D. liner
- (1) O.D. bar stock pusher collet
- (1) Custom lathe cable and interface plug

Optional Accessories

- Additional guide channel set (includes pusher, revolving tip, nose liner & spindle liner) ........................................,$3,350.00
- Spindle liner (needed when selecting a guide channel set whose max. bar diameter is smaller than the drawtube of the lathe) ........................................,$420.00
- Bar stock pusher collets for diameters up to and including 26 mm (outer diameter) ........................................,$120.00
- Bar stock pusher collets for diameters greater than 26 mm (outer diameter) ........................................,$145.00
- Hex stock high performance pusher collets ....................................................................................................................,$1,500.00
- Polyurethane bushing blocks (one set includes upper and lower pieces and is used in place of rollers in standard steady rest when machining hex, square, or profiled stock) ........................................................................................................,$140.00
- Air knife (Used to minimize bar feeder oil loss when running shafts) ..........................................................................................,$1,050.00
- Long Pusher Kit (required for some lathes) ..........................................................................................................................,$1,900.00
- Turbo 3-38 also available in extended length versions .....................................................................................................,$4375.00

Technical Specifications

- Bar diameter capacity—no bar preparation: 3 mm to 32 mm (.118" to 1.259")
- Bar diameter capacity—with bar preparation: 3 mm to 38 mm (.118" to 1.496")
- Maximum bar length: 3800 mm (12 feet 6 inches)
- Minimum bar length: 1000 mm (39.4")
- Maximum remnant length: 420 mm (16.54")
- Magazine rack capacity: 11"
- Bar loading cycle time: 25 seconds for 12-foot bar
- Material straightness specification: .007"/foot of material (3 blocks, 3 points equidistant)
- Feed force (pusher torque): max 540 N, adjustable
- Forward feed rate: 1400 inches/minute max, adjustable
- Return feed rate: 2360 inches/minute max, adjustable
- Power consumption: 1.5 KW
- Operating voltage: 230V/50Hz 3-phase
- Control voltage: 24V DC
- Oil capacity: 80 liters (22 gallons)
- Oil viscosity: ISO 150 CST
- Compressed air supply: 6 bar (90 psi)
- Compressed air consumption: approx. 10 liters per loading cycle
- Machine weight: 3,100 lbs

Warranty and lifetime phone support

FMB bar feeders come with a one-year parts and labor warranty. Edge Technologies provides free phone support to the original owner as long as you own the equipment.
FMB Turbo 5-55 / Magazine Bar Feeder

For Swiss or fixed headstock lathes. Runs up to 12" bars in a diameter range of 5 mm to 55 mm.

Specifications

- Bar diameter capacity: 5 mm to 55 mm (196° to 2.165")
- Automatic loading magazine — 11 linear inches of rack capacity
- Double pusher, space saving design
- Polyurethane guide channel system — noise & vibration dampening
- Quick change guide channels and pusher
- Hydraulic support via high volume oil flow into channels
- Bosch motion control — dependable and user friendly, allows easy bar feeder parameter changes with remote pendant
- Separate floor mounted electric cabinet isolates electronics from vibration

List Price

FMB Turbo 5-55 12' $45,995.00
FMB Turbo 5-55 12' 2 Guide Channel Set Complete Package
Includes (2) Channel Sets, (2) Pushers, (2) Nose Liners & (2) Pusher Collets $49,395.00
FMB Turbo 5-55 12' for sliding headstock lathes $48,750.00
2 Guide Channel Set Complete Package
Includes (2) Channel Sets, (2) Pushers, (2) Nose Liners & (2) Pusher Collets $52,150.00
FMB Turbo 5-55 6' $43,750.00
FMB Turbo 5-55 6' 2 Guide Channel Set Complete Package
Includes (2) Channel Sets, (2) Pushers, (2) Nose Liners & (2) Pusher Collets $47,150.00
FMB Turbo 5-55 6' for sliding headstock lathes $45,950.00
2 Guide Channel Set Complete Package
Includes (2) Channel Sets, (2) Pushers, (2) Nose Liners & (2) Pusher Collets $49,350.00
Installation $3,100.00 net price

Includes

- (1) Guide channel set of your choice (channel sections, pusher, & revolving tip)
- (1) Universal hard nose with I.D. liner (stock sizes only)
- (1) Custom lathe cable and interface plug
- (1) O.D. barstock collet

Optional Accessories

Additional guide channel set (includes pusher, revolving tip, nose liner & spindle liner) $3,975.00
Spindle liner (needed when selecting a guide channel set whose max. bar diameter is smaller than the drawtube of the lathe) $420.00

Bar stock pusher collets (specific collet required for each bar diameter):
- Barstock collet for channel set up to 20 mm (1") $80.00
- Barstock collet for channel set from 25 mm to 38 mm $140.00
- Barstock collet for channel set from 42 mm to 45 mm $210.00
- Barstock collet for channel set from 51 mm to 55 mm $250.00

Hex stock high performance pusher collets $160.00

Contact Edge Customer Service

Polyurethane bushing blocks (one set includes upper and lower pieces and is used in place of rollers in standard steady rest when machining hex, square, or profile stock) $160.00

Air knoll (recommended to minimize bar feeder oil loss when running shafts) $1,050.00

Pusher extension kit $4,600.00

Axial shift device $5,000.00

Serial Interface — Ethernet connection with embedded PC $2,700.00

Increased program storage to 2500 programs $2,500.00

Tall stands for lathe with spindle center greater than 1200 mm $1,500.00

Standard Features

- (1) Guide channel set to be chosen by customer. Several sizes to choose from, each handling a specific stock range. See chart on next page. (spindle liner required if channel set is not lathe’s max capacity)
- (1) Universal hard nose and (1) nylon nose I.D. liner specific to pusher
- (1) O.D. barstock collet (to be chosen by customer)
- Automatic remnant retraction, self centering gripper
- Custom lathe cable and interface plugs
- Outboard roller steady rest—quick adjust system and super rigid design. Mounted to base of machine to provide maximum support of bar stock and pusher
- 48 part program memory storage

Warranty and lifetime phone support

FMB bar feeders come with a one-year parts and labor warranty. Edge Technologies provides free phone support to the original owner as long as you own the equipment.
**Specifications**

- Bar diameter capacity: 5 mm to 65 mm (196" to 2.559")
- Automatic loading magazine — 11 linear inches of rack capacity
- Double pusher, space saving design
- Polyurethane guide channel system — noise & vibration dampening
- Quick change guide channels and pusher
- Hydrodynamic support via high volume oil flow into channels
- Bosch motor control — dependable and user friendly, allows easy bar feeder parameter changes with remote pendant
- Separate floor mounted electric cabinet isolates electronics from vibration

**List Price**

**FMB Turbo 5-65 12' Guide Channel Set Complete Package**

- Includes (2) Channel Sets, (2) Pushers, (2) Nose Liners & (2) Pusher Collets
- Total Price: $47,500.00

**FMB Turbo 5-65 12' 2 Guide Channel Set Complete Package**

- Includes (2) Channel Sets, (2) Pushers, (2) Nose Liners & (2) Pusher Collets
- Total Price: $45,000.00

**FMB Turbo 5-65 8' Guide Channel Set Complete Package**

- Includes (2) Channel Sets, (2) Pushers, (2) Nose Liners & (2) Pusher Collets
- Total Price: $48,400.00

**Installation**

- $3,100.00 net price

**Additional Accessories**

- (1) Guide channel set of your choice (channel sections, pusher, & revolving tip)
- (1) Universal hard nose with I.D. liner
- (1) Custom lathe cable and interface plugs
- (1) O.D. barstock collet

**Optional Accessories**

- Additional guide channel set (includes pusher, revolving tip, nose liner & spindle liner)
- Total Price: $3,975.00

- Spindle liner (needed when selecting a guide channel set whose max. bar diameter is smaller than the drawtube of the lathe.)
- Total Price: $580.00

**Technical Specifications**

- **Bar diameter capacity—no bar preparation:**
  - 5 mm to 62 mm (196" to 2.44")
  - Maximum bar length: 3000 mm (12 feet 5 inches)
  - Minimum bar length: 1000 mm (39.4")
  - Maximum remnant length: 530 mm (20.8")
  - Magazine rack capacity: 11"
  - Magazine rack angle: adjustable 6-20"bar
  - Bar loading cycle time: 30 seconds for 12-foot bar
  - Material straightness specification: .007"/foot of material (V blocks, 3 points equidistant)
  - Feed force (pusher torque): max 750 N, adjustable
  - Return feed rate: 2360 inches/minute max, adjustable
  - Power consumption: 1.5 kW
  - Operating voltage: 230V/60Hz 3-phase
  - Control voltage: 24V DC
  - Oil capacity: 80 liters (22 gallons)
  - Oil viscosity: ISO 150 CST
  - Compressed air supply: 6 bar (90 psi)
  - Compressed air consumption: approx. 10 liters per loading cycle
  - Machine weight: 6,400 lbs

**Guidance Channel Sets**

<table>
<thead>
<tr>
<th>Guide Channel Sets</th>
<th>Pusher Diameter</th>
<th>Minimum Bar Size</th>
<th>Maximum Bar Size</th>
<th>Max. Bar Size W/Fractured Remnant Exclusion</th>
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</thead>
<tbody>
<tr>
<td>Ø 15 mm</td>
<td>15 mm</td>
<td>5 mm (.196&quot;)</td>
<td>13 mm (.511&quot;)</td>
<td>15 mm (.590&quot;)</td>
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<tr>
<td>Ø 20 mm</td>
<td>20 mm</td>
<td>6 mm (.236&quot;)</td>
<td>17.5 mm (.688&quot;)</td>
<td>20 mm (.790&quot;)</td>
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<tr>
<td>Ø 25 mm</td>
<td>25 mm</td>
<td>10 mm (.393&quot;)</td>
<td>23.5 mm (.906&quot;)</td>
<td>25 mm (.984&quot;)</td>
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<tr>
<td>Ø 32 mm</td>
<td>32 mm</td>
<td>10 mm (.393&quot;)</td>
<td>29 mm (.114&quot;)</td>
<td>32 mm (.129&quot;)</td>
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<tr>
<td>Ø 36 mm</td>
<td>36 mm</td>
<td>12.7 mm (.500&quot;)</td>
<td>33 mm (.129&quot;)</td>
<td>36 mm (.147&quot;)</td>
</tr>
<tr>
<td>Ø 38 mm</td>
<td>37 or 38 mm</td>
<td>12.7 mm (.500&quot;)</td>
<td>35 mm (.137&quot;)</td>
<td>38 mm (.148&quot;)</td>
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<tr>
<td>Ø 42 mm</td>
<td>42 mm</td>
<td>17 mm (.669&quot;)</td>
<td>38.5 mm (.151&quot;)</td>
<td>42 mm (.163&quot;)</td>
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<tr>
<td>Ø 45 mm</td>
<td>45 mm</td>
<td>19 mm (.750&quot;)</td>
<td>42 mm (.163&quot;)</td>
<td>45 mm (1.77&quot;)</td>
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<tr>
<td>Ø 51 mm</td>
<td>51 mm</td>
<td>25.4 mm (1&quot;)</td>
<td>47.7 mm (.917&quot;)</td>
<td>51 mm (2.07&quot;)</td>
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<td>Ø 55 mm</td>
<td>55 mm</td>
<td>25.4 mm (1&quot;)</td>
<td>51 mm (2.07&quot;)</td>
<td>55 mm (2.16&quot;)</td>
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<tr>
<td>Ø 60 mm</td>
<td>60 mm</td>
<td>35 mm (1.378&quot;)</td>
<td>56 mm (2.04&quot;)</td>
<td>60 mm (2.362&quot;)</td>
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<td>Ø 65 mm</td>
<td>65 mm</td>
<td>40 mm (1.574&quot;)</td>
<td>61 mm (2.40&quot;)</td>
<td>60 mm (2.59&quot;)</td>
</tr>
<tr>
<td>Ø 67 mm</td>
<td>67 mm</td>
<td>40 mm (1.574&quot;)</td>
<td>62 mm (2.44&quot;)</td>
<td>67 mm (2.63&quot;)</td>
</tr>
</tbody>
</table>

*This max. diameter is attainable only if a 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 smaller O.D. collet.

**Standard Features**

- (1) Guide channel set to be chosen by customer. Several sizes to choose from, each handling a specific stock range. See chart on next page. (spindle liner required if channel set is not lathe’s max capacity)
- (1) Universal hard nose and (1) nylon nose I.D. liner specific to pusher
- (1) O.D. Barstocl collet to be chosen by customer
- Automatic remnant retraction, self centering gripper
- Custom lathe cable and interface plugs
- Outboard roller steady rest—quick adjust system and super rigid design. Mounted to base of machine to provide maximum support of bar stock and pusher
- 48 part program memory storage

**Loading Configurations**

- Bar material storage in front of machine tool
- Bar material storage in the rear of machine tool

**Warranty and lifetime phone support**

FMB bar feeders come with a one-year parts and labor warranty. Edge Technologies provides free phone support to the original owner as long as you own the equipment.
FMB Turbo 8-80 / Magazine Bar Feeder
For Swiss or fixed headstock lathes. Runs up to 12' bars in a diameter range of 8 mm to 80 mm.

**Specifications**
- Bar diameter capacity: 8 mm to 80 mm (315” to 3.150”)
- Automatic loading magazine — 11 linear inches of rack capacity
- Double pusher, space saving design
- Polyurethane guide channel system — noise & vibration dampening
- Quick change guide channels and pusher
- Hydrodynamic support via high volume oil flow into channels
- Bosch motion control — dependable and user friendly, allows easy bar feeder parameter changes with remote pendant
- Separate floor mounted electric cabinet isolates electronics from vibration

**List Price**
- **FMB Turbo 8-80 12’**
  - Guide Channel Complete Package: $64,995.00
  - Includes (3) Channel Sets, (1) Pushers. (2) Nose Liners & (2) Pusher Collets: $70,990.00

- **FMB Turbo 8-80 10’**
  - Guide Channel Complete Package: $57,995.00
  - Includes (3) Channel Sets, (1) Pushers. (2) Nose Liners & (2) Pusher Collets: $63,990.00

**Installation**
- $3,500.00 net price

**Optional Accessories**
- Additional guide channel set (includes pusher, revolving tip, nose liner & spindle liner) $5,995.00
- Spindle liner (needed when selecting a guide channel set whose max. bar diameter is smaller than the drawtube of the lathe) $800.00
- Bar stock pusher collet (specific collet required for each bar diameter):
  - Barstock collet for channel set up to 25 mm: $140.00
  - Barstock collet for channel set up to 42 mm: $210.00
  - Barstock collet for channel set from 50 mm to 65 mm: $250.00
  - Barstock collet for channel set from 60 mm to 80 mm: $295.00
  - Barstock collet for channel set from 80 mm to 85 mm: $385.00

**Technical Specifications**
- Bar diameter capacity — no bar preparation: 8 mm to 76.2 mm (315” to 3.00”)
- Bar diameter capacity — with bar preparation: 4000 mm (13 feet) max (8 inches)
- Maximum bar length: 1000 mm (39.4”)
- Maximum remnant length: 500 mm (20.0”)
- Magazine rack capacity: 11”
- Magazine rack angle: 10° ± 5°
- Bar loading cycle time: 30 seconds for 12-foot bar
- Material straightness specification: .007” TIR (foot of material V blocks, 3 points equidistant)
- Feed force (pusher torque): max. 750 N, adjustable
- Return feed rate: 2360 inches/minute max, adjustable
- Power consumption: 1.5 kW
- Operating voltage: 230V/60Hz 3-phase
- Control Voltage: 24V DC
- Oil capacity: 80 liters (22 gallons)
- Oil viscosity: ISO 150 CST
- Compressed air supplied: approx. 10 lbs per loading cycle
- Machine weight: 7,260 lbs

**Installation**
- We recommend that an Edge Technologies authorized technician perform the installation, verification, and training on your bar feeder system. The $3,500 is a net price and is a per trip price. In order to achieve effective and comprehensive training and run-up, it is advised that the lathe be loaded up, program ready, and capable of making parts prior to the arrival of Edge Technologies service technician. Return visits due to post run-off reinstallations or a lack of customer and/or dealer readiness will be billed at $125.00/hour labor and $85.00/hour travel plus expenses.

**Warranty and lifetime phone support**
- FMB bar feeders come with a one-year parts and labor warranty. Edge Technologies provides free phone support to the original owner as long as you own the equipment.

**Standard Features**
- (1) Guide channel set to be chosen by customer. Several sizes to choose from, each handling a specific stock range. See chart on next page. (spindle liner required if channel set is not lathe’s max capacity)
- (1) O.D. barstock collet (to be chosen by customer)
- (1) Universal hard front nose and (1) nylon nose I.D. liner specific to pusher
- Custom lathe cable and interface plugs
- Automatic remnant retraction, self centering gripper
- Outboard roller steady rest — quick adjust system and super rigid design
- 48 part program memory storage

**Polyurethane bushing blocks (one set includes upper and lower pieces and is used in place of rollers in standard steady rest when machining hex, square, or profiled stock)** $180.00

**Hex stock high performance pusher collets.**

Contact Edge Customer Service

**Technical Specifications**

<table>
<thead>
<tr>
<th>Guide Channel Sets</th>
<th>Pusher Diameter</th>
<th>Minimum Bar Size</th>
<th>Maximum Bar Size</th>
<th>Max. Bar Size With Front Remnant Expulsion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 25 mm</td>
<td>25 mm</td>
<td>10 mm (3/8&quot;)</td>
<td>23 mm</td>
<td>25 mm (9/32&quot;)</td>
</tr>
<tr>
<td>Ø 42 mm</td>
<td>42 mm</td>
<td>17 mm (5/8&quot;)</td>
<td>38 mm</td>
<td>42 mm (15/32&quot;)</td>
</tr>
<tr>
<td>Ø 50 mm</td>
<td>50 mm</td>
<td>18 mm (7/8&quot;)</td>
<td>46 mm</td>
<td>50 mm (15/32&quot;)</td>
</tr>
<tr>
<td>Ø 55 mm</td>
<td>55 mm</td>
<td>25.4 mm (1&quot;)</td>
<td>51 mm</td>
<td>55 mm (2&quot;)</td>
</tr>
<tr>
<td>Ø 60 mm</td>
<td>60 mm</td>
<td>35 mm (1.375&quot;)</td>
<td>56 mm</td>
<td>60 mm (2.25&quot;)</td>
</tr>
<tr>
<td>Ø 65 mm</td>
<td>65 mm</td>
<td>40 mm (1.57&quot;)</td>
<td>61 mm</td>
<td>65 mm (2.4&quot;)</td>
</tr>
<tr>
<td>Ø 70 mm</td>
<td>70 mm</td>
<td>45 mm (1.775&quot;)</td>
<td>66 mm</td>
<td>70 mm (2.6&quot;)</td>
</tr>
<tr>
<td>Ø 75 mm</td>
<td>75 mm</td>
<td>50 mm (1.97&quot;)</td>
<td>70 mm</td>
<td>75 mm (2.95&quot;)</td>
</tr>
<tr>
<td>Ø 80 mm</td>
<td>80 mm</td>
<td>51 mm (2&quot;)</td>
<td>78 mm</td>
<td>80 mm (3.17&quot;)</td>
</tr>
</tbody>
</table>

*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 smaller O.D. collet.
Hex Collets:
Available for FMB products................................................................. call for pricing

Extended Rack:
Additional 20-24 linear inches of barstock storage........................... call for pricing

Bundle Loader:
5,000 lbs. of material storage............................................................... call for pricing
FMB products

Axial Shifting Device:
16 linear inches of Z-Axis travel......................................................... call for pricing
FMB products

FlexSys:
Load – Unload for shaft work.............................................................. call for details
Edge Technologies

LiftSys 80 6’ or 12’
Heavy material loader................................................................. call for details
Edge Technologies

For assistance please contact:
Parts: 314.810.3959
Service: 314.810.3927
or 314.810.3955

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