

Non-Filtering  
Chip Conveyors

Turbo HB Chip Conveyor

Your Best Choice for:

Large Broken or  
Stringy Chips

Plastic Material

- Designed to meet your application
- Superior frame construction
- Variety of belts
- Trouble-free operation
- Continuous unattended operation

TURBO HINGE BELT CONVEYOR FRAME DIMENSIONS (INCHES)

| Type             | Standard<br>Duty  | Heavy<br>Duty    | Super<br>Heavy<br>Duty | 2" Heavy<br>Duty or<br>Super<br>Heavy<br>Duty |
|------------------|-------------------|------------------|------------------------|-----------------------------------------------|
| Sidewing height  | 0.75              | 1.0              | 1.5                    | 1.0 1.5 1.00                                  |
| W - Width        | BW<br>+2" to 2.5" | BW<br>+<br>3.62" | BW + 3.875"            |                                               |
| T - Height       | 4.84              | 6.69             | 8.31                   | 7.00 8.62 5.91                                |
| L - Leg Location | 16.19             | 23.25            |                        |                                               |

Turbo Magnetic Chip Conveyor

Your Best Choice for:

Cast Iron and  
Fine Ferrous Chips

- No maintenance design
- Conveyor performance efficiency
- Machine compatibility

TURBO MAGNETIC CONVEYOR FRAME DIMENSIONS (INCHES)

| Type             | Standard Duty | Low Profile |
|------------------|---------------|-------------|
| W - Width        | BW + 3.90     | BW + 3.47   |
| T - Height       | 5.19          | 3.67        |
| L - Leg Location | 14.75         | 15.28       |

Specifications are subject to change without notice

Non-Filtering  
Chip Conveyors

Turbo 3-D Disc Chip Conveyor

Your Best Choice for:

Central Processing  
of Metal Chips  
Fines and  
Other Materials

- Installed with ease, readily relocated
- Simple construction = easy application and maintenance
- Designed to meet various machine needs
- Eliminating indirect labor while improving safety and housekeeping
- Customization to improve productivity

System Variables:

- 4, 6, 8, & 10 inch diameter systems
- Each system is custom designed, up to 600' max. length
- 3-D (dimensional) routing - in any direction
- At, above or below grade

Special Equipment:

- To handle difficult conditions found in some applications, special equipment can be included in the 3-D Disc Conveyor System
- Crushers to break long stringy chips
- Coolant recovery systems
- Easily reconfigurable if machines are moved or new machines are added
- Separators for different chip materials

Specifications are subject to change without notice

Filtering  
Chip Conveyors

Turbo MFS Chip Conveyor

Your Best Choice for:

Mixed Materials  
Fine Chips

Any Broken Ferrous  
Chips Requiring  
Coolant Filtration

- Designed to meet your application
- Chip removal combines with coolant filtration
- Variety of belts - hinge or scraper
- Trouble-free operation
- Continuous unattended operation

TURBO MFS CONVEYOR FRAME DIMENSIONS (INCHES)

| Type             | Scraper |
|------------------|---------|
| T - Height       | 10.77   |
| L - Leg Location | 13.50   |

Turbo MF2 Chip Conveyor

Your Best Choice for:

Mixed Materials  
Coarse or Stringy  
All Sizes Mixed

Aluminum  
Fine Chips  
Coarse and Stringy

- Dual purpose conveying
- Large capacity coolant flow
- Maintenance free and hassle-free filtration
- Versatility and serviceability

TURBO MICROFINE 2 CONVEYOR FRAME DIMENSIONS (INCHES)

| Type (upper)      | Standard Duty | Heavy Duty | Super Heavy Duty |
|-------------------|---------------|------------|------------------|
| Belt              | 0.75          | 1.00       | 1.5"             |
| Belt Width        | 4-22          | 4-24       | 4-36             |
| W - Width (upper) | BW + 2.06     | BW + 3.63  | BW + 3.88        |
| T - Height        | 10.23         | 10.80      | 10.67            |
| L - Leg Location  | 12.80         | 12.80      | 12.80            |

Specifications are subject to change without notice

Filtering  
Chip Conveyors

Turbo MF3 Chip Conveyor

Your Best Choice for:

Mixed Materials  
Coarse or Stringy  
All Sizes Mixed

Aluminum  
Fine Chips  
Coarse and Stringy

- Dual purpose conveying
- Compact discharge with durable functionality
- Height requirements to match your machine

TURBO MICROFINE 3 CONVEYOR FRAME DIMENSIONS (INCHES)

| Type (upper)      | Standard Duty |
|-------------------|---------------|
| Sidewing Height   | .75           |
| Belt Height       | 4-22          |
| W - Width (upper) | BW + 2.06"    |
| T - Height        | 4.83          |
| L - Leg Location  | Varies        |

Turbo MS500 Chip Conveyor

Your Best Choice for:

Mixed Materials  
Fine Chips

Dedicated & Ferrous  
Materials  
Cast Iron, Brass &  
Aluminum

- Maintenance free coolant filtration
- Designed for production efficiency
- Coolant flow and filtration
- Minimal coolant loss = cost-effective, environmentally friendly operation
- Compatible for numerous machine designs

TURBO MICROSCRAPER CONVEYOR FRAME DIMENSIONS (MM)

|                  |           |
|------------------|-----------|
| W - Width        | 250 - 500 |
| T - Height       | 130.81    |
| L - Leg Location | 356.87    |

Specifications are subject to change without notice

Filtering  
Chip Conveyors

Turbo MH Series Chip Conveyor

Your Best Choice for:

Mixed Materials  
Coarse or Stringy  
All Sizes Mixed

Mixed Materials  
best for Brass &  
Aluminum

- Reliable operation
- Superior frame construction
- Coolant flow and filtration
- Designed for production efficiency

TURBO MH SERIES CONVEYOR FRAME DIMENSIONS (MM)

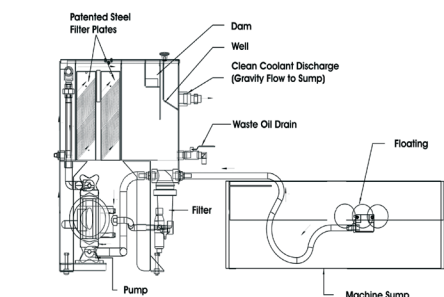
|                  |           |
|------------------|-----------|
| W - Width        | 290 - 700 |
| T - Height       | 130       |
| L - Leg Location | 357       |

Tramp Oil Removal Systems

Turbo Phasep  
Tramp Oil Removal System

Clearly the best choice for re-using your coolant

- Using coolant more efficiently
- Simple payback
- Benefits for the operator
- Minimal maintenance
- Processing capability
- Product versatility
- Designed to meet your needs
- Long-standing dependability



Specifications are subject to change without notice

High Pressure Coolant Systems

PowerStream SA  
High Pressure Coolant System

- Superior pump selection
- Precise coolant delivery
- Application customization
- User interface panel
- User parameters for machine specific applications and interfaces
- Tracks hourly motor usage for maintenance purposes
- 35 gallon integrated coolant tank

| Oil Based Coolant                         |                    |          |  |
|-------------------------------------------|--------------------|----------|--|
| 1000 PSI Pump                             |                    | 2000 PSI |  |
| Gear                                      | Hydracell or Screw | Gear     |  |
| 4 GPM                                     | 4 GPM              | 4 GPM    |  |
| 6 GPM                                     | 6 GPM              | 5 GPM    |  |
| 8 GPM                                     | 8 GPM              | 8 GPM    |  |
| Shaded area represents standard equipment |                    |          |  |
| Water Based Coolant                       |                    |          |  |
| 1000 PSI Pump                             |                    |          |  |
| Hydracell or Screw                        |                    |          |  |
| 4 GPM                                     |                    |          |  |
| 6 GPM                                     |                    |          |  |
| 8 GPM                                     |                    |          |  |

PowerStream VP  
High Pressure Coolant System

- Superior pump selection
- Precise coolant delivery
- Application customization
- User interface panel
- User parameters for machine specific applications and interfaces
- Tracks hourly motor usage for maintenance purposes
- 35 gallon integrated coolant tank

| Standard Features |                                                      |          |
|-------------------|------------------------------------------------------|----------|
| Outlet Pressure   | 1000 PSI                                             | 1500 PSI |
| Flow Rate         | 7.5 GPM                                              | 5 GPM    |
| Filtration        | Dual filter canister with 10µ filtration as standard |          |
| Number of outlets | 4 ports as standard                                  |          |
| Tank capacity     | 35 gallons                                           |          |
| Size              | 40 x 22 x 47.25 inches                               |          |
| Options           |                                                      |          |
| 8 Ports Output    |                                                      |          |
| LNS e-Connect     | Advanced Ethernet Connectivity                       |          |

Specifications are subject to change without notice

Oil Mist Collectors

Oil Mist Collector WS Series

Specifically designed for machine tools and developed for the elimination of mist, smoke and odor typical of wet machining operations, these mechanical filters can also be adapted in mixed applications (wet/dry).

- Clean shop air, better than the OSHA guidelines
- Many standard features
- Low energy consumption design

|                     |     |     |       |      |      |
|---------------------|-----|-----|-------|------|------|
|                     | 170 | 330 | 700   | 1020 | 1250 |
| Air Flow (cfm)      | 169 | 330 | 694   | 1012 | 1248 |
| Motor (hp)          | 0.4 | 0.5 | 1.270 | 2.4  | 3.5  |
| Weight (lbs.)       | 62  | 77  | 121   | 165  | 187  |
| Sound Level (dB(A)) | 63  | 65  | 71    | 73   | 75   |

Guaranteed Filtration - Multi Stage Hybrid Design

1st Stage - Initial Pre-Filtration

Proprietary media to remove solid particulate and bulk liquid entrainment as well as agglomerating finer mist droplets into larger ones for a 92% efficiency level.

2nd Stage - Centrifugal / Dynamic: Maintenance Free

A special impeller ensures continued mist reduction by imparting inertial impaction on the droplets created in the 1st stage.

3rd Stage - Final Polishing Filtration

Extended filtration area to remove remaining mist and provide an average efficiency above 99%. Clogging is always monitored by a pressure gauge that indicates when the cartridge must be replaced.

Oil Mist Collector WM Series

The Fox WM series represents the ideal solution for the filtration of oil mist for large machining centers, connecting multiple machine tools or for when large air flow rates are required.

- Clean shop air better than OSHA guidelines
- Proprietary filters have an extra long life
- Many standard features and options
- Low energy consumption design

Designed with the same level of high quality engineering and reliability of the smaller Fox WS series, the WM unit can completely eliminate mist, aerosol, smoke and odors typical of wet machining processes. Fox WM unit is modular in its flow rate and available in 2500, 5000 and 7500 CFM versions.

Guaranteed Filtration  
Two (2) Stages with Optional HEPA Stage

| Specifications  |         | 60 Hz          |
|-----------------|---------|----------------|
| Air flow**      | [CFM]   | 2124           |
| Static pressure | [Pa]    | 2300           |
| Motor           | [hp]    | 5              |
| Weight          | [lbs]   | 600            |
| Sound level     | [dB(A)] | 80             |
| Air inlet(s)    | [inch]  | (3) 13.75 x 10 |

\*\* With hepa filter installed

Specifications are subject to change without notice

Automatic Work Support Systems

Steady Rests

Steady Rest packages for every application

- Industry leading steady rests
- Custom brackets
- Programmable positioning bases
- Valve packages
- Optional hose track assemblies
- Electrical connection to machine tool supplied interface
- Optional way covers available if required
- Specially designed to your specifications

Autoblok Power Chucks

Workholding packages for every application

- Big bore pneumatic chucks
- Quick jaw change chucks
- Large diameter thru hole power chucks
- Retractable Jaw Chucks
- Compensating chucks
- Dead length collet chucks
- Indexing chucks
- Complete actuating cylinder chuck mounting packages

Specifications are subject to change without notice

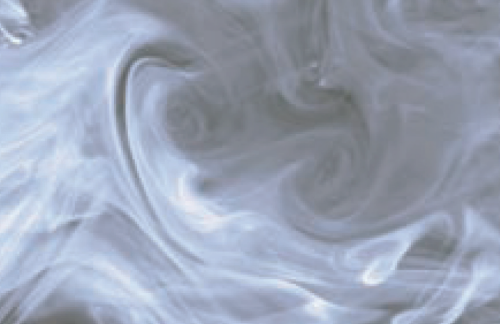
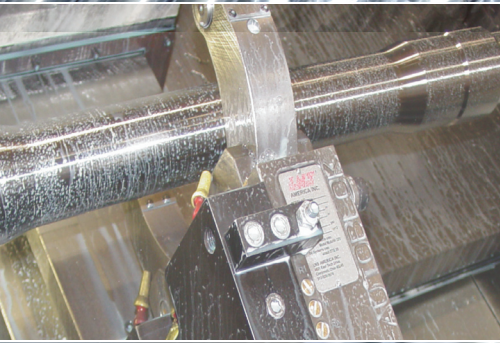
FEED IT

HOLD IT

COOL IT

MOVE IT

CLEAN IT



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**Twelve Foot Manual Barfeeds  
for Fixed or Sliding Headstock Lathes**

**Super Hydrobar HYS-HS**  
**Bar Diameter: .039" to 2-5/8" (1 mm to 68mm)**  
**16 Models available to handle complete  
range of the lathe**  
**Bar Length: 12' (other lengths available)**

**Features:**

- Patented hydrodynamic feeding and support system in totally enclosed guide tube, single oil supply
- All tubes are built in a common pitch circle. Each guide tube is automatically aligned to the center of the spindle when selecting the guide tube
- 1 minute total changeover
- Each guide tube covers a range and is selected according to bar diameter to provide ideal hydrodynamic support
- Compact sliding oil recuperator prevents oil spillage between the front of the barfeeder and the back of the spindle
- Instantaneous end-of-bar signal through an electro-mechanical system, reliable to minimize bar waste
- Front or rear load. Bar reloading swing-out system permits easy front loading and allows easy access to the lathe for spindle liner changeover
- Large capacity hydraulic system adjustable pressure and flow regulator supplies constant oil flow to the guide active and ensures headstock synchronization on sliding headstock lathes
- 23" Z-axis main tube retraction with safety switch standard on sliding headstock machines
- Optional 8" or 23" travel available for lathes with recessed spindles

**Standard Hydrobar THB**  
**Bar Diameter: .039" to 4" (1 mm to 100 mm)**  
**8 Models available to handle complete  
range of the lathe**  
**Bar Length: 12' (other lengths available)**

**Features:**

- Patented hydrodynamic feeding and support system in totally enclosed guide tube, single oil supply
- All guide tubes are concentric in the main tube, each guide tube is automatically aligned to the center of the spindle
- Customized standard guide tubes, inside diameter is selected according to your needs and the lathe capacity
- 10 minutes total changeover
- Each guide tube covers a range and is selected according to bar diameter to provide ideal hydrodynamic support
- Compact sliding oil recuperator prevents oil spillage between the front of the barfeeder and the back of the spindle
- Instantaneous end-of-bar signal through an electro-mechanical system, pressure controlled, reliable to minimize bar waste
- Front or rear load. Bar reloading swing-out system permits easy front loading and allows easy access to the lathe for spindle liner changeover and/or maintenance

Specifications are subject to change without notice

**Twelve Foot Automatic Barfeeds  
for Sliding Headstock Lathes**

**Hydrobar Express 220**  
**Bar Diameter: .079" to .787" (2 mm to 20 mm)**  
**Bar Length: 12' (other lengths available)**

**Features:**

- Hydrodynamic oil support to the revolving bar
- 2 minutes or less for partial changeover
- 8 minutes or less for complete changeover
- Quick change guide channels and pusher
- 6.3" (160 mm) wide magazine tray capacity, self contained
- Retractable walking beam magazine handles 15 bars .0787" to .197" (2 mm to 5 mm)
- Automatic diameter adjustment for bar selection fingers
- Servo drive with absolute encoder
- Automatic torque and speed adjustment
- Prompting remote control, menu driven, guides you through setup, 15 seconds complete production change
- Automatic hydrostatic outboard stabilizer
- Remnant retraction system
- "3S" patented direct headstock synchronization system (standard) adapted for high feed rate sliding headstocks and very small bar stock
- Swiss safety connection for sliding headstocks
- Front or rear load
- Right or left sliding headstock configuration
- Optional 20" (500 mm) Z-axis retraction system
- 2,750 lbs

**Hydrobar Express 320**  
**Bar Diameter: .18" to .787" (3 mm to 20 mm)**  
**Bar Length: 12' (other lengths available)**

**Features:**

- Hydrodynamic oil support to the revolving bar
- 2 minutes or less for partial changeover
- 8 minutes or less for complete changeover
- Quick change guide channels and pusher
- 6.3" (160 mm) wide magazine tray capacity, self contained
- Automatic diameter adjustment for bar selection fingers
- Servo drive with absolute encoder
- Automatic torque and speed adjustment
- Prompting remote control, menu driven, guides you through setup, 15 seconds complete production change
- Automatic hydrostatic outboard stabilizer
- Remnant retraction system
- Electronic headstock synchronization
- Swiss safety connection for sliding headstocks
- Front or rear load
- Right or left sliding headstock configuration
- Optional "3S" patented direct headstock synchronization system adapted for high feed rate sliding headstocks and malleable material
- Optional 20" (500 mm) Z-axis retraction system
- 2,750 lbs

Specifications are subject to change without notice

**Twelve Foot Automatic Barfeeds  
for Sliding Headstock Lathes**

**Hydrobar Express 332 S2**  
**Bar Diameter: 1/8" to 1-1/4" (3 mm to 32 mm)**  
**Bar Length: 12' (other lengths available)**

**Features:**

- Hydrodynamic oil support to the revolving bar
- 2 minutes or less for partial changeover
- 8 minutes or less for complete changeover
- Quick change guide channels and pusher
- 11.6" (300 mm) wide magazine tray capacity, self contained
- Automatic diameter adjustment for bar selection fingers
- Servo drive with absolute encoder
- Automatic torque and speed adjustment
- Prompting remote control, menu driven, guides you through setup, 15 seconds diameter change
- Automatic hydrostatic outboard stabilizer
- Remnant retraction system
- Electronic headstock synchronization
- Swiss safety connection for sliding headstocks
- 20" (500 mm) Z-axis retraction system
- Front or rear load
- Right or left sliding headstock configuration
- 2,750 lbs

**Alpha ST212 S2**  
**Bar Diameter: .079" to .472" (2 mm to 12 mm)**  
**Bar Length: 12' (other lengths available)**

**Features:**

- Hydrodynamic oil support to the revolving bar
- 2 minutes or less for partial changeover
- 8 minutes or less for complete changeover
- Quick change guide channels and pusher
- 20 bars capacity magazine tray, self contained
- Screw type magazine bar selection
- Hydrostatic outboard stabilizer, 2-position, manual adjustment
- Tethered remote control pendant
- AC servo drive
- Automatic torque and speed adjustment
- Remnant retraction system
- "3S" patented direct headstock synchronization system (standard) adapted for high feed rate sliding headstocks
- Swiss safety connection for sliding headstocks
- Front or rear load
- Right or left sliding headstock configuration
- 1,160 lbs

Specifications are subject to change without notice

**Twelve Foot Automatic Barfeeds  
for Sliding Headstock Lathes**

**Alpha ST320 S2**  
**Bar Diameter: 1/8" to .787" (3 mm to 20 mm)**  
**(25 mm with bar preparation)**  
**Bar Length: 12' (other lengths available)**

**Features:**

- Hydrodynamic oil support to the revolving bar
- 2 minutes or less for partial changeover
- 8 minutes or less for complete changeover
- Quick change guide channels and pusher
- 11.6" (300 mm) wide magazine tray capacity, self contained
- Automatic diameter adjustment for bar selection fingers
- Servo drive with absolute encoder
- Hydrostatic outboard stabilizer, 2-position, manual adjustment
- Tethered remote control pendant
- AC servo drive
- Automatic torque and speed adjustment
- Remnant retraction system
- Electronic headstock synchronization
- Swiss safety connection for sliding headstocks
- Front or rear load
- Right or left sliding headstock configuration
- Optional "3S" patented direct headstock synchronization system adapted for high feed rate sliding headstocks and malleable material
- 1,160 lbs

**Tryton 112**  
**Bar Diameter: .039" to 1/2" (1 mm to 12.7 mm)**  
**Bar Length: 12' (other lengths available)**

- **4 Models with interchangeable barrels with up to 45 totally enclosed guide tubes**
- **2 Models of Combo Barrel with 28 (2X14) enclosed guide tubes to handle the total range of the lathe**

**Features:**

- Hydrodynamic support to the revolving bar in totally enclosed guide tubes built in a common pitch circle
- 2 minutes set up for partial changeover
- 8 minutes or less for complete changeover
- Manual loading of the bars in the guide tubes
- Rear loading on the fly, insert bar stock into the back of the barrel without interrupting production
- Swing-out system permits easy front loading and easy access to the lathe for spindle liner changeover
- Prompting remote control, menu driven, guides you through setup, 15 seconds diameter change
- Remnant retraction system
- Hydraulic headstock synchronization
- Integrated hydraulic system adjustable pressure and flow regulator supplies constant oil flow to the active guide tube and ensures headstock synchronization
- Front or rear load

Other Models Available specially designed for Camshaft controlled Screw machines applications, Model 112 CAM ranges from .039" to .500" (1 mm to 12.7 mm), Model 107 CAM ranges from .039" to .275" (1 mm to 7 mm)

\* barrel configuration is selected according to the application

\*\* guide tube sizes selected to suit the lathe capacity

Specifications are subject to change without notice

**Twelve Foot Automatic Barfeeds for  
Fixed or Sliding Headstock Lathes**

**Hydrobar Sprint 542**  
**Bar Diameter: 1/4" to 1-5/8" (5 mm to 42 mm)**  
**Bar Length: 12' (other lengths available)**

**Features:**

- Hydrodynamic or hydrostatic oil support to the revolving bar
- Rugged compact design
- 2 minutes or less for partial changeover
- 8 minutes or less for complete changeover
- Quick change guiding elements and pusher
- 11" (280 mm) wide magazine tray capacity, self contained
- Automatic diameter adjustment for bar selection fingers
- Servo drive with absolute encoder
- Automatic torque and speed adjustment
- Prompting remote control, menu driven, guides you through setup, 15 seconds complete production
- Automatic hydrostatic outboard stabilizer
- Remnant retraction system
- Electronic headstock synchronization for sliding type lathes
- 18" (470 mm) Z-axis retraction system
- Front or rear load
- Optional safety connection for sliding headstocks
- Optional remnant ejection through the chuck of the lathe
- 2,610 lbs

**Hydrobar Sprint 552**  
**Bar Diameter: 1/4" to 2" (5 mm to 52 mm)**  
**Bar Length: 12' (other lengths available)**

**Features:**

- Hydrodynamic or hydrostatic oil support to the revolving bar
- Rugged compact design
- 2 minutes or less for partial changeover
- 8 minutes or less for complete changeover
- Quick change guiding elements and pusher
- Standard chain magazine holds 10 pieces of bar stock
- Servo drive with absolute encoder
- Automatic torque and speed adjustment
- Prompting remote control, menu driven, guides you through setup
- Automatic hydrostatic outboard stabilizer
- Remnant retraction system
- 20" (500 mm) Z-axis retraction system
- Front or rear load
- Optional horizontal floor mounted storage provides additional storage capacity
- Optional remnant ejection through the chuck of the lathe
- 3,080 lbs

Specifications are subject to change without notice

**Twelve Foot Automatic Barfeeds for  
Fixed or Traveling Headstock Lathes**

**Hydrobar Sprint 565**  
**Bar Diameter: 1/4" to 2-1/2" (5 mm to 65 mm)**  
**Bar Length: 12' (other lengths available)**

**Features:**

- Hydrodynamic or hydrostatic oil support to the revolving bar
- Rugged compact design
- 2 minutes or less for partial changeover
- 8 minutes or less for complete changeover
- Quick change guiding elements and pusher
- Standard chain magazine holds 8 pieces of bar stock
- Servo drive with absolute encoder
- Automatic torque and speed adjustment
- Prompting remote control, menu driven, guides you through setup
- Automatic hydrostatic outboard stabilizer
- Remnant retraction system
- 20" (500 mm) Z-axis retraction system
- Front or rear load
- Optional horizontal floor mounted storage provides additional storage capacity
- Optional remnant ejection through the chuck of the lathe
- Optional telescopic safety connection for traveling headstock lathes
- 3,080 lbs

**Hydrobar Sprint S3**  
**Bar Diameter: 1/2" to 3-1/8" (12 mm to 80 mm)**  
**Bar Length: 12' (other lengths available)**

**Features:**

- Hydrostatic oil support to the revolving bar
- Heavy duty rugged compact design
- Patented self-opening hydrostatic support
- 10 minutes for complete changeover
- Quick change guiding elements and pusher
- Heavy duty vertical chain loading system permits safe loading of large diameter bar stock
- 27" (680 mm) wide horizontal floor mounted magazine storage below center line height of the lathe
- Hydrostatic outboard stabilizer
- Prompting remote control, menu driven, guides you through setup
- Remnant ejection through the chuck of the lathe
- Automatic torque and speed adjustment
- Front or rear load
- Optional horizontal floor mounted storage provides additional storage capacity
- Optional remnant ejection through the chuck of the lathe
- 3,800 lbs

Specifications are subject to change without notice

**Six Foot Automatic Barfeeds for  
Fixed or Traveling Headstock Lathes**

**Quick Six S2**  
**Bar Diameter: 3/8" to 3-1/8" (10 mm to 80 mm)**  
**Bar Length: 6'**

**Features:**

- Hydrostatic oil support to the revolving bar
- Rugged compact design
- 2 minutes or less for partial changeover within the pusher range
- 4 minutes or less for complete changeover
- Quick change guiding element and pusher
- Standard chain magazine holds 7 pieces of bar stock
- Servo drive with absolute encoder
- Automatic torque and speed adjustment
- Prompting remote control, menu driven, guides you through setup
- 15 seconds bar reload time preloads while machining the last part
- Remnant ejection through the chuck of the lathe
- 19" (480 mm) Z-axis retraction system
- Optional horizontal floor mounted storage for additional storage capacity
- 1,650 lbs

**Alpha SL65 S**  
**Bar Diameter: 1/4" to 2-5/8" (6 mm to 67 mm)**  
**Bar Length: 14" to 61"**  
Not to exceed overall length of spindle

**Features:**

- LNS entry level servo controlled bar feeder to load spindle length bar stock
- 2 minutes or less for partial changeover (manual)
- 5 minutes or less for complete changeover
- 26" (660 mm) wide magazine tray capacity, rear load
- Servo drive
- Automatic torque and speed adjustment
- Quick manual bar diameter adjustment for centerline height and bar selecting fingers
- Feed to part length with or without turret assistance
- Sub-spindle applications
- Three pushers to cover entire range of the barfeed
- LCD remote control station for manual and automatic operations
- Standard 12" (300 mm) X-axis retraction system
- Optional 24" (600 mm) Z-axis retraction system
- 1,020 lbs

Specifications are subject to change without notice

**Spindle Length Automatic Barfeeds  
for Fixed or Traveling Headstock Lathes**

**Eco Load S2**  
**Bar Diameter: 1/4" to 2-5/8" (5 mm to 67 mm)**  
**Bar Length: 12" to 59"**  
Not to exceed overall length of spindle

**Features:**

- LNS low cost solution to load spindle length bar stock
- 2 minutes or less for partial changeover within the pusher range
- 5 minutes or less for complete changeover
- 25" (635 mm) wide magazine tray capacity, rear load
- Pneumatic pusher feeding system
- Quick manual bar diameter adjustment for centerline height and bar selecting fingers
- Feed to part length with turret assistance
- Three pushers to cover entire range of the barfeed
- Standard 12" (300 mm) X-axis retraction system
- Optional 24" (600 mm) Z-axis retraction system
- 1,014 lbs

**Alpha SL65 S**  
**Bar Diameter: 1/4" to 2-5/8" (6 mm to 67 mm)**  
**Bar Length: 14" to 61"**  
Not to exceed overall length of spindle

**Features:**

- LNS entry level servo controlled bar feeder to load spindle length bar stock
- 2 minutes or less for partial changeover (manual)
- 5 minutes or less for complete changeover
- 26" (660 mm) wide magazine tray capacity, rear load
- Servo drive
- Automatic torque and speed adjustment
- Quick manual bar diameter adjustment for centerline height and bar selecting fingers
- Feed to part length with or without turret assistance
- Sub-spindle applications
- Three pushers to cover entire range of the barfeed
- LCD remote control station for manual and automatic operations
- Standard 12" (300 mm) X-axis retraction system
- Optional 24" (600 mm) Z-axis retraction system
- 1,020 lbs

Specifications are subject to change without notice

**Spindle Length Automatic Barfeeds  
for Fixed or Traveling Headstock Lathes**

**Quick Load Servo 80 S2**  
**Bar Diameter: 1/4" to 3-1/8" (5 mm to 80 mm)**  
**Part Length: 14" to 63"**  
Not to exceed overall length of spindle

**Features:**

- All electric
- Patented loading mechanism
- "V" roller supports for friction free bar stock loading
- Linear ways permit feed rates up to 4,000 IPM
- Prompting remote control, menu driven, guides you through setup
- 15 seconds for partial changeover within the pusher range
- 1 minute or less for complete changeover
- 23" (580 mm) wide magazine tray capacity
- Servo drive with absolute encoder
- Automatic torque and speed adjustment
- Automatic bar diameter adjustment for bar selection fingers and centerline alignment by direct data input
- Feed to part length with or without turret assistance
- Sub-spindle and traveling spindle applications
- 15 seconds bar reload time preloads while machining the last part
- Parts Library, 500 parts, faster and easier repeat job changeovers
- Advanced PLC technology with embedded web server for easy Ethernet Interface (E-Connect)
- Spindle liners and pusher storage area
- 23" (580 mm) X- or Z- axis retract
- Three pushers to cover entire range of the barfeed
- Front or rear load
- 1,150 lbs

**Quick Load Servo S3**  
**Bar Diameter: 1/4" to 4-3/4" (5 mm to 120 mm)**  
**Bar Length: 5" to 63"**

**Quick Load Servo S3-L**  
**For long headstock or deep recessed spindle**  
**Bar Diameter: 3/8" to 4-3/4" (9 mm to 120 mm)**  
Not to exceed overall length of spindle

**Features:**

- Patented loading mechanism
- "V" roller supports for friction free bar stock loading
- Linear ways permit feed rates up to 4,000 IPM
- Prompting remote control, menu driven, guides you through setup
- 15 seconds for partial changeover within the pusher range
- 1 minute or less for complete changeover
- 39" (1000 mm) wide magazine tray capacity
- Servo drive with absolute encoder
- Automatic torque and speed adjustment
- Automatic bar diameter adjustment for bar selection fingers and centerline alignment
- Feed to part length with or without turret assistance
- Sub-spindle and traveling spindle applications
- 15 seconds bar reload time preloads while machining the last part
- Optional one-shot shaft loading 4 seconds loading time
- 23" (580 mm) X- or Z- axis retract
- Three pushers to cover entire range of the barfeed
- Front or rear load
- 1,750 lbs

Specifications are subject to change without notice

**Automatic Parts Loader / Unloader**

**Blaze Air U and Blaze Air LU**  
**Bar Diameter: 1/8" to 3" (3.2 mm to 76 mm)**  
**Part Length: 2" to 36" (51 mm to 915 mm)**  
**or 2" to 48" (51 mm to 1220 mm)**  
Not to exceed overall length of spindle

**Blaze Air-U:** Designed to automatically unload parts from twin spindle CNC lathes or lathes equipped with a through hole sub-spindle.

**Blaze Air-LU:** Designed to automatically load and unload parts on single spindle CNC lathes.

- Rugged compact design, minimal floor space required
- Extremely high speed loading/unloading of parts within 2-3 seconds
- No collet required, vacuum pressure is used for loading/unloading
- Adjustable vacuum pressure with gauge reading
- 5 minutes or less complete changeover
- PLC controlled
- Parts unloaded dual confirmation cell
- Large filter with drain for residual metal chips and coolant filter
- Easy-to-operate controls with message display
- 17" (430 mm) Load/unload ramp capacity
- Right side/front discharge standard
- Optional right side/rear discharge and other configurations available

Please contact our office for application assistance

**Barstock Straightness Specifications and Performance with barfeeders**

For optimum rotational performance speeds, bar stock straightness needs to be .020" per 3.25 feet (1mm per meter), non accumulative. Bar stock out of this tolerance will not run at optimum RPM. Other factors such as material type (brass, copper, bronze and other malleable materials), clamping efficiency of the machine workholding, alignment of the bar feed, oil type, bar preparation and spindle liners will affect optimum RPM capability of the system.

**Additional Barfeed Features:**

(Features below are only offered on selected barfeed models. For additional information, contact your LNS representative)

- Advanced Ethernet Connectivity
- Parts Library - 500 part storage feature

Specifications are subject to change without notice

