

www.LNS-america.com

QUICK LOAD SERVO 80 S2

**For fixed or traveling headstock lathes
Ideal solution for 1-5/8", 2", 2-1/2", 2-5/8", 3" bar capacity
turning centers. One model fits all.**

Bar stock diameters: 1/4" - 3-1/8" (6 mm to 80 mm)

Overall bar stock length: 14" - 63" (350 mm - 1600 mm)*

*Not to exceed overall length of spindle



LNS America
4621 East Tech Drive
Cincinnati, Ohio 45245



QUICK LOAD SERVO 80 S2



Simplicity For Efficiency

The Quick Load Servo 80 S2 is designed for automatic loading of spindle length bars up to 63" and 3-1/8" in diameter without exceeding the spindle length. Using the proven concept of the Quick Load Servo 80, the Quick Load Servo 80 S2 is fully electric and does not require shop air. It is equipped with an automatic diameter changing system with linear motors and LNS servo motor technology. Centerline and bar loading fingers adjust automatically as the new bar diameter is entered in the prompting remote HMI. No manual adjustment is required reducing changeover time to a minimum.

Increasing Your Productivity With Quick Production Setup Changeovers, The Fastest in The Industry

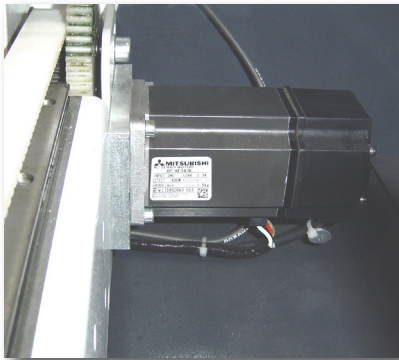
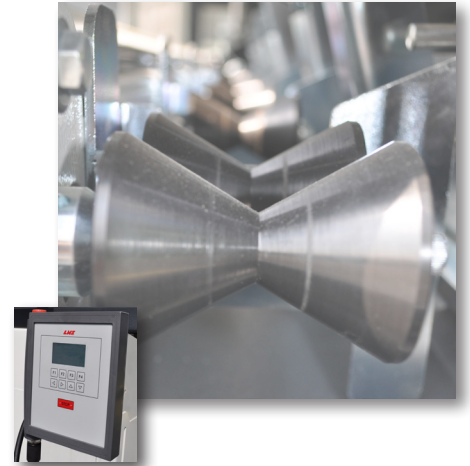
Difficult and time consuming diameter changeovers can slow your production down. Simplified and quick diameter changeovers can keep your production running efficiently and allow you to meet customer demands.

Start-up and diameter changing can be performed in record time thanks to the intuitive controls. The Quick Load Servo 80 S2 automatically makes all changeover adjustments by answering three simple questions when prompted by the remote control:

1. Shape?
2. Diameter?
3. Part Length?

Within the pusher diameter your changeover is complete in seconds. The Quick Load Servo 80 S2 takes the information and automatically makes these adjustments:

- Bar to centerline of the lathe
- Magazine storage bar selection mechanism to bar diameter ensuring one bar is loaded at a time
- Feed and torque rates



All Electric Operation

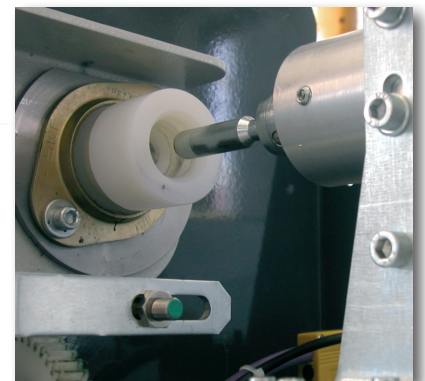
Modern manufacturing facilities require the most reliable equipment designs for maximum uptime.

The Quick Load Servo 80 S2 uses a linear motor for the table elevating precisely the bar stock to the centerline of the lathe. The pusher is controlled by a servo drive for accurate positioning and optimum loading speed. Only field proven and readily available components are used to increase reliability over a long life time.

Faultless Unattended Operation

Downtime can be costly. You need to rely on your machines to produce the highest quality parts keeping you at maximum productivity through all shifts, even unattended operation.

The LNS servo motor control technology provides the Quick Load Servo 80 S2 with a precision of bar positioning which is unrivalled on the market. It guarantees accurate bar feedout control with or without turret help and prevents from hitting the turret with its soft touch positioning.

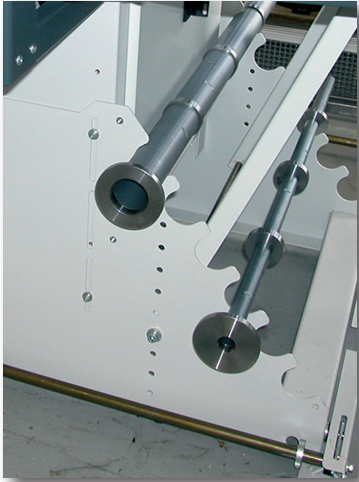




Space Saving Design

Large, over-sized machines consume valuable floor space. A machine occupying less floor space creates minimal footprints and increases production.

The Quick Load Servo 80 S2 requires minimum floor space allowing the operators to maneuver around the machine and bar feeder in ease.



No-Mess, No-Hassle Changeovers

Facility cleanliness can boost production morale and keep your production running smoothly free from debris.

The machine has a loading ramp with adjustable inclination, which also acts as an on board storage for arranging the spindle liners and pushers.

Standard Z or X axis retraction system can be chosen at time of installation and allows E-Z spindle liner changes and machine access.

Increasing Production Efficiency Through Innovation

Any amount of time saved during production increases efficiency resulting in a better ROI.

The Quick Load Servo 80 S2 has surpassed industry technology by incorporating a "Parts Library", which is a 500 part storage feature. The "Parts Library" allows the user to store specific parameter configurations that are unique to a machining program.

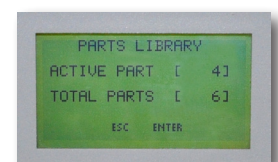
Simply enter part parameters:

- Stock Shape
- Stock Diameter
- Part Length
- Any additional parameter information...

The part parameters are entered ONE time into the "Parts Library". After all the parameters have been entered, the configuration is saved as a unique number that will be associated to a specific machining program.

Whether you need to run the job now or at a later time, simply selecting the desired part number from the "Parts Library" will instantly restore the appropriate data.

The "Parts Library" is a standard benefit and can be used with a Standard or Ethernet interface.

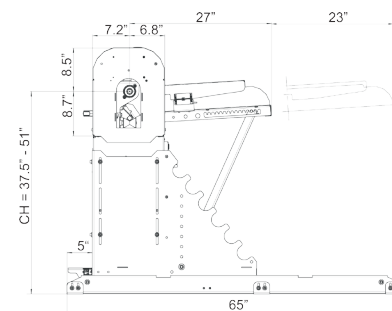
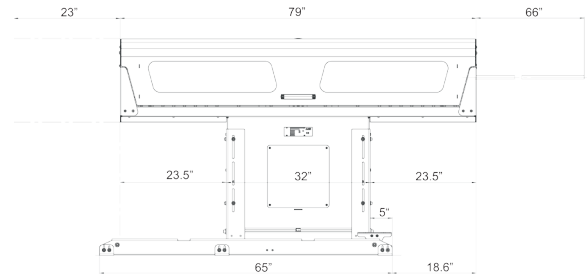




QUICK LOAD SERVO 80 S2

Features & Benefits

- All electric.
- Spindle liners and pusher storage area.
- Servo drive with absolute encoder provides full flexibility for bar feeding.
- Automatic bar diameter adjustment for bar selection fingers and centerline alignment. Simply input the new diameter at remote control and adjustment is complete, no manual setup required.
- Automatic torque and speed adjustment by easy programming of diameter and part length.
- Feed to part length with or without turret assistance.
- 15 seconds or less diameter changeovers within the pusher range, minimizes non-productive time.
- 1 minute or less for complete changeover.
- 26" (650 mm) wide magazine tray capacity for unattended operation. Stores 102 bars of 1/4" diameter of 8 bars of 3-1/8".
- Includes three pushers to cover entire range of the barfeed (6 mm, 12 mm, 20 mm).
- State of the art advanced PLC technology with embedded web server for easy Ethernet Interface.
- Parts Library, 500 parts, faster and easier repeat job changeovers.
- Sub-spindle and traveling spindle applications.
- Front or rear load for optimum utilization of floor space when loading magazine tray.
- Prompting remote control, menu driven, guides you through setup.
- Program data stored on smart media card for easy software upgrades or data changes.
- 23" X or Z-axis retraction system permits easy access to the lathe for spindle liner changeover and/or machine maintenance.
- 15 seconds bar reload time preloads while machining the last part for minimum idle time and increased productivity
- See through design lets operator to safely view bar loading operations and precisely know how much bar stock is on the loading rack.
- Patented loading mechanism and proven smooth bar loading. "V" roller supports for friction free bar stock loading.
- Linear ways permit feed rates up to 4,000 RPM.
- Shipping weight: 1,150 lbs.



Bar Diameter	1/4" - 3-1/8" (6 mm - 80 mm)
Minimum Bar Length	14" (350 mm)
Maximum Bar Length	63" (1600 mm)*
Loading System	Side Load Rack (Front or Rear Load)
Magazine Width	26"

Your "One-Stop-Shop" for machine tool peripherals

LNS is your one-stop resource for industry leading bar feeding equipment and accessories, chip conveyors and coolant management systems, work holding systems and air filtration systems. So you get unmatched product range, applications experience, service and support.

The LNS customer service and technical support teams are the industry's most experienced. Together, they provide expert product selection and application assistance, professional installation and comprehensive training.

We support every product we sell with replacement parts, and both field and factory service. We provide this expert service through trained technicians who are strategically positioned throughout the world.

And because we design every bar feed, chip conveyor and coolant system we sell, we can provide parts and service for all LNS equipment - even chip conveyors and bar feeds that have been in service for over twenty years.



LNS America
4621 East Tech Drive
Cincinnati, Ohio 45245

Phone : 513-528-5674 • Fax : 513-528-5733
sales@LNS-america.com • www.LNS-america.com