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EXPRESS 332 S2

Automatic bar feeder for fixed and sliding headstock lathes

Diameter range: 3 - 32 mm



LNS SA
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Steering your investments safely

The Express 332 S2 is the ideal automatic bar feeder for machining bars from 3 to 32 mm in diameter. Thanks to its included equipment such as an automatic control system for bar selection and steady rest, the machine ensures record times for start-up and diameter changing.

It guarantees precise bar guidance at the fastest rotational speeds across the entire range of diameters, thanks to the Hydrobar® technology.

Objective: Maximum productivity

In the lathe industry, every second saved is of primary concern in achieving maximum productivity. The technical concept and included equipment of the Express 332 S2 guarantee that productivity, whatever the size of your production runs.

The Express 332 S2 is mounted on a welded and machined baseframe which maximizes rigidity. The precision-machined components ensure perfect alignment and function. The hydrodynamic guiding channels with oil injection guide the bar so as to reduce friction by creating an oil film.

Furthermore, this bar feeder ensures perfect guiding of the bars at the highest rotational speeds.



Quick and easy diameter changeover

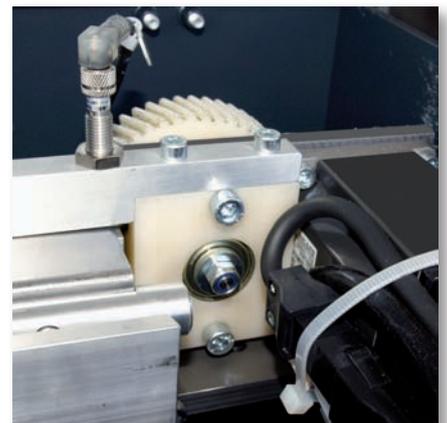
A diameter changeover can turn into a nightmare if not managed efficiently. Thanks to the function integrated into the machine as standard, the Express 332 S2 greatly facilitates start-up operations. It takes just minutes to prepare the bar feeder for the new production run. No tools are required for replacement of the usual elements, such as, the pusher and the guiding channels.

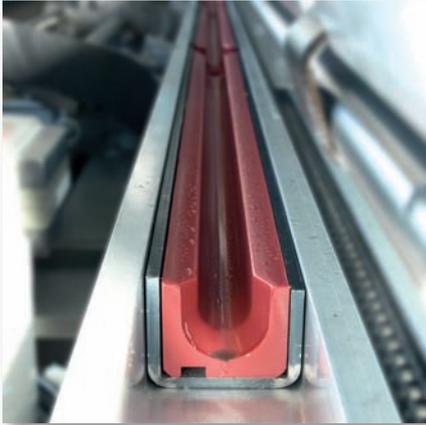
A specific software function monitors every replacement operation and its automatic functions relies on the input of the basic data for the new production to electrically set the system for bar selection and automatic steady rest.

Total mastery of the bar movements

The positioning and steadying of the bar during the production cycle are the key points in achieving maximum productivity. The programming of the Express 332 S2 manages these movements intelligently and with total safety.

Controlled by a high-tech PLC, the servo motor generates the precise advancing and pusher torques in order to optimise the accurate positioning of the material.





Changing the guide elements

The guiding elements are the essential elements for achieving maximum performance. They have to withstand the highest physical stresses.

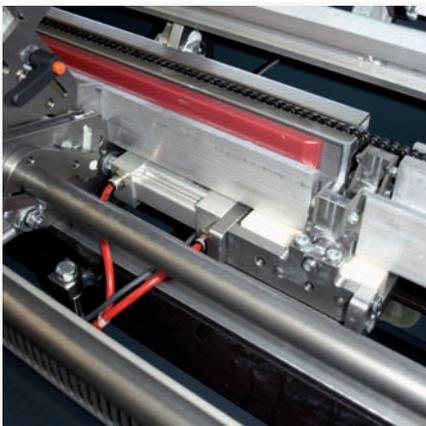
LNS guiding channels are made of an elastomer whose resistance to shearing and abrasion makes them durable and high-performance elements.

Quick and easy access to the lathe

The "longitudinal displacement" option makes it possible to access the lathe without compromising the precision of alignment.

Offering a 500 mm retraction of the upper part of the machine, this option facilitates access to the spindle for all interventions on the lathe or for changing the spindle liner. Since the feet do not move, the Express 332 S2 remains perfectly aligned with the spindle, thus eliminating the time for the realignment.

Furthermore, this compact system does not clutter up the floor with rails, thus saving precious space around the machine feet.



Controlled remnant extraction

Adapted to the whole diameter range of the machine, the automatic remnant extraction system discharges the material remnants into a dedicated bin. A photoelectric cell monitors the correct performance of the extraction, and also ensures the safe loading of a new bar.

The telescopic tubes

LNS offers telescopic tubes as a professional solution to address the problem of guidance between the bar feeder and the lathe spindle. They improve the bar guidance to support high rotational speeds.

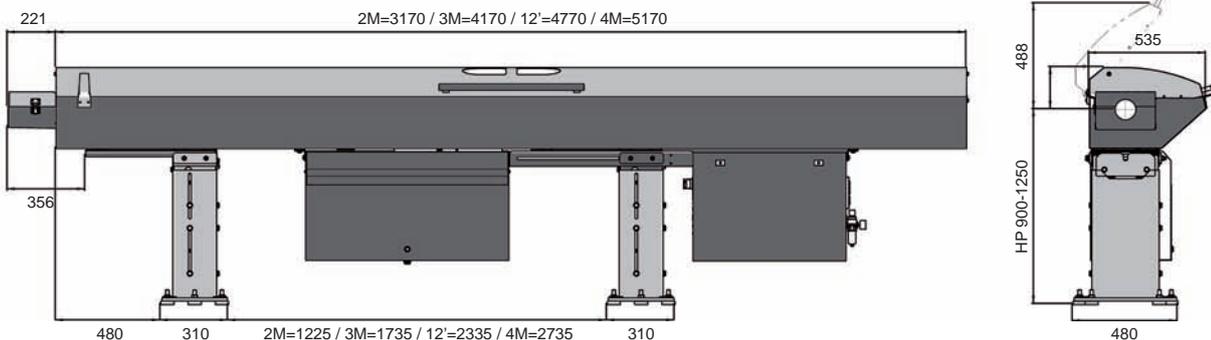


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Technical specifications

Diameter	ø 3 - 32 mm
Bar length 2m/3m/12'/4m	2200/3200/3800/4200
Loading system	Side load rack
Loading capacity	270 mm
Loading side	Right/left
Headstock type	Fixed/sliding
Synchronisation	PLC/Servo-motor
Max. remnant length	400 mm
Partial changeover	2 mins (within the guiding channel range)
Total changeover	8 mins (for all guiding elements)
Front rest	Automatic
Bar selection	Automatic
Motor	Servo
Drive	Chain
Option	
500 mm Z axis retraction	

Floor plan (mm)



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. 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.



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