



## EXPRESS 332 S2

AUTOMATIC BAR FEEDER FOR FIXED  
AND SLIDING HEADSTOCK LATHES

Diameter range: 3–32 mm



YOUR ONE-STOP-SHOP  
FOR MACHINE-TOOL PERIPHERALS



## 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.

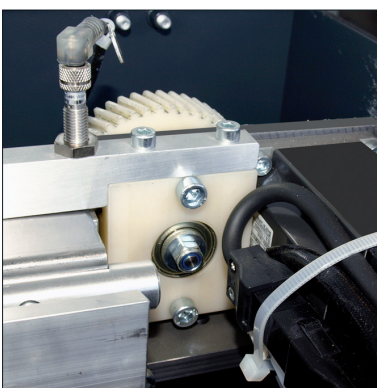
The Express 332 S2 is mounted on a welded and machined baseframe which maximizes rigidity. The precision-machined components ensure perfect alignment and function. The hydrodynamic guiding channels with oil injection guide the bar so as to reduce friction by creating an oil film. Furthermore, this bar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

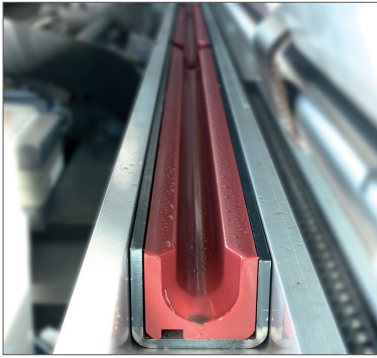
A specific software function monitors every replacement operation and its automatic functions relies on the input of the basic data for the new production to electrically set the system for bar selection and automatic steady rest.



## 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 GUIDING 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.

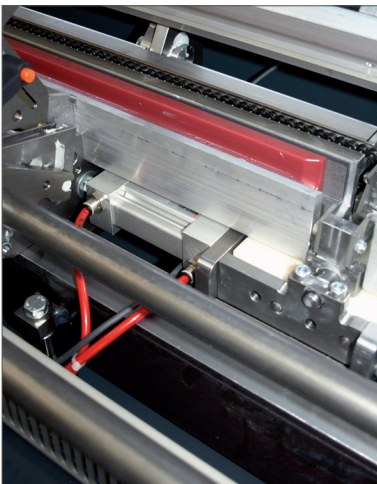


## QUICK AND EASY ACCESS TO THE LATHE

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

Offering a 470 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 provides telescopic tubes with matching spindle liners, as the optimum solution to the challenge of guidance between the bar feeder and the lathe spindle. This solution provides superior guidance at high rotational speeds.

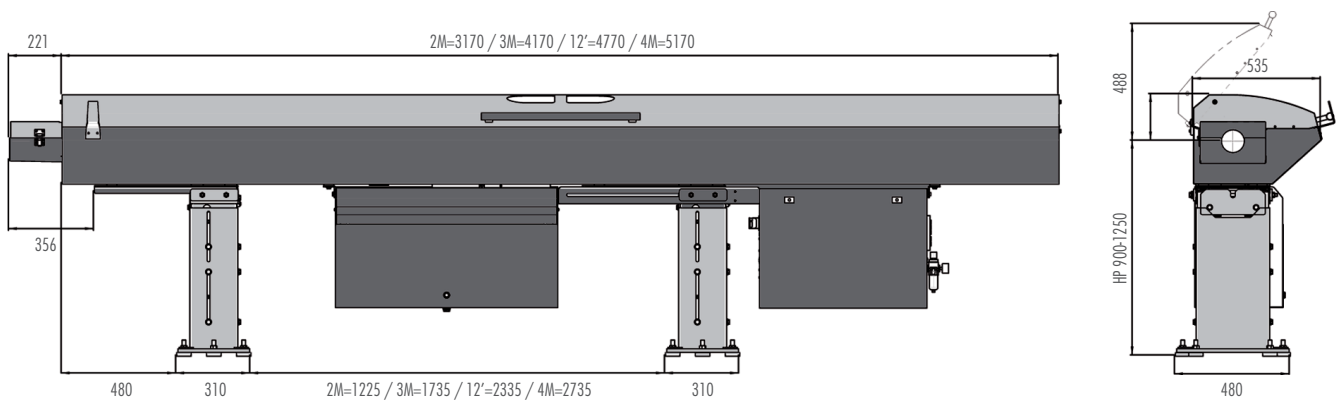
## TECHNICAL SPECIFICATIONS

### YOUR ONE-STOP-SHOP FOR MACHINE-TOOL PERIPHERALS

LNS provides a full range of bar feeders, chip conveyors, coolant management systems and air filtration systems which is second to none on the market. We are known in the industry for the solid expertise we have gained over several decades in an exceptionally wide range of applications, our excellent customer service and technical support. This support is ensured by highly qualified technicians who are available at key locations throughout Europe.

Capacity		
Diameter	mm	ø 3–32 (34)
Bar length 2m/3m/12'/4m	mm	2200/3200/3800/4200
Loading system		Lateral magazine
Loading capacity	mm	270
Loading side		Right/Left
Applications		
Type of headstock		Fixed/Sliding
Synchronization		PLC/Servo motor
Remnant length	mm	Min. 90/Max. 400
Remote control		Colour touchscreen with library of 500 parts
Diameter change		
Partial change	mins	2 (in the same channels)
Complete change	mins	8 (for all guide components)
Driving system		
Motor		Servo
Drive		Chain
Guide		Hydrodynamic/Guiding channel
Oil		80L, ISO VG 100
Options		
470 mm longitudinal movement		
Adjustable 2-positions longitudinal movement		

## FLOOR PLAN (MM)



LNS SA  
Route de Frinwillier  
2534 Orvin  
Switzerland

+41 32 358 02 00  
LNS@LNS-europe.com  
www.LNS-europe.com