



## EXPRESS 346 evo

AUTOMATIC BAR FEEDER FOR LONG BARS

### A SELF-ADJUSTING FEEDING SOLUTION

Based on the successful EXPRESS barfeeders and evolved with a unique self-adjusting guiding system, the EXPRESS 346 evo offers the best guidance and reliable loading assistance for lathes with fixed or sliding headstocks, for bars from diameter 3 to 46 mm.



YOUR ONE-STOP-SHOP FOR MACHINE-TOOL PERIPHERALS

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

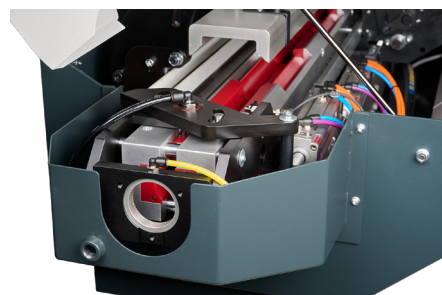


YOUR ONE-STOP-SHOP  
FOR MACHINE-TOOL PERIPHERALS



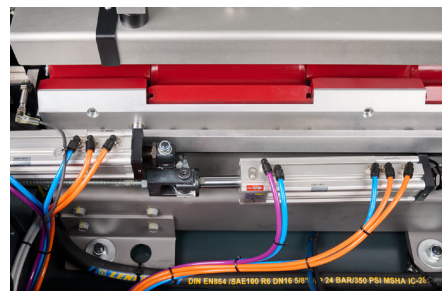
## EXPRESS 346 evo: THE HIGH-PERFORMANCE SOLUTION

With its improved base and all-automatic guiding system, the EXPRESS 346 evo represents the next step in the integration of technology to speed up daily jobs, simplify tasks and reach a new level of productivity, for bars from dia. 3 to (42) 46 mm.



### AUTOMATIC FRONT REST FOR ANY BAR SIZE AND SHAPE

Thanks to its slimmer desing, the front rest is positioned right behind the spindle entry, and offers the last guiding of the bar. Its setup is fully automatic and the shape of its elements guarantees the best performance on the full diameter range.



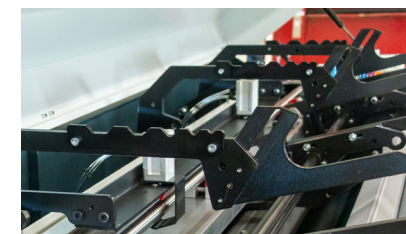
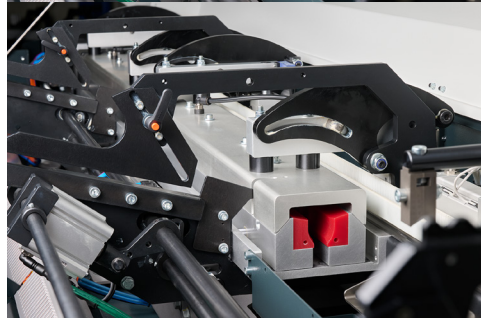
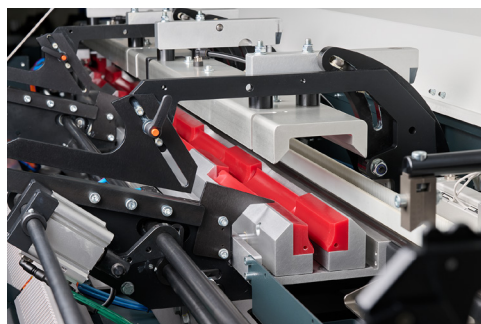
### STURDY AND OPTIMIZED CORE BEAM

The core beam, a central component of the of the performance of any bar feeder, has been redesigned with innovative methodology and modern manufacturing, achieving a much better dampening of the vibrations created by turning.

### MAXIMUM PERFORMANCE, EFFORTLESS

Changing diameters makes up a large proportion of production costs. With just entering the bar diameter in the remote control, the EXPRESS 346 evo automatically adjusts all the mechanical elements and all the parameters.

Change the pusher collet and you're good to go!

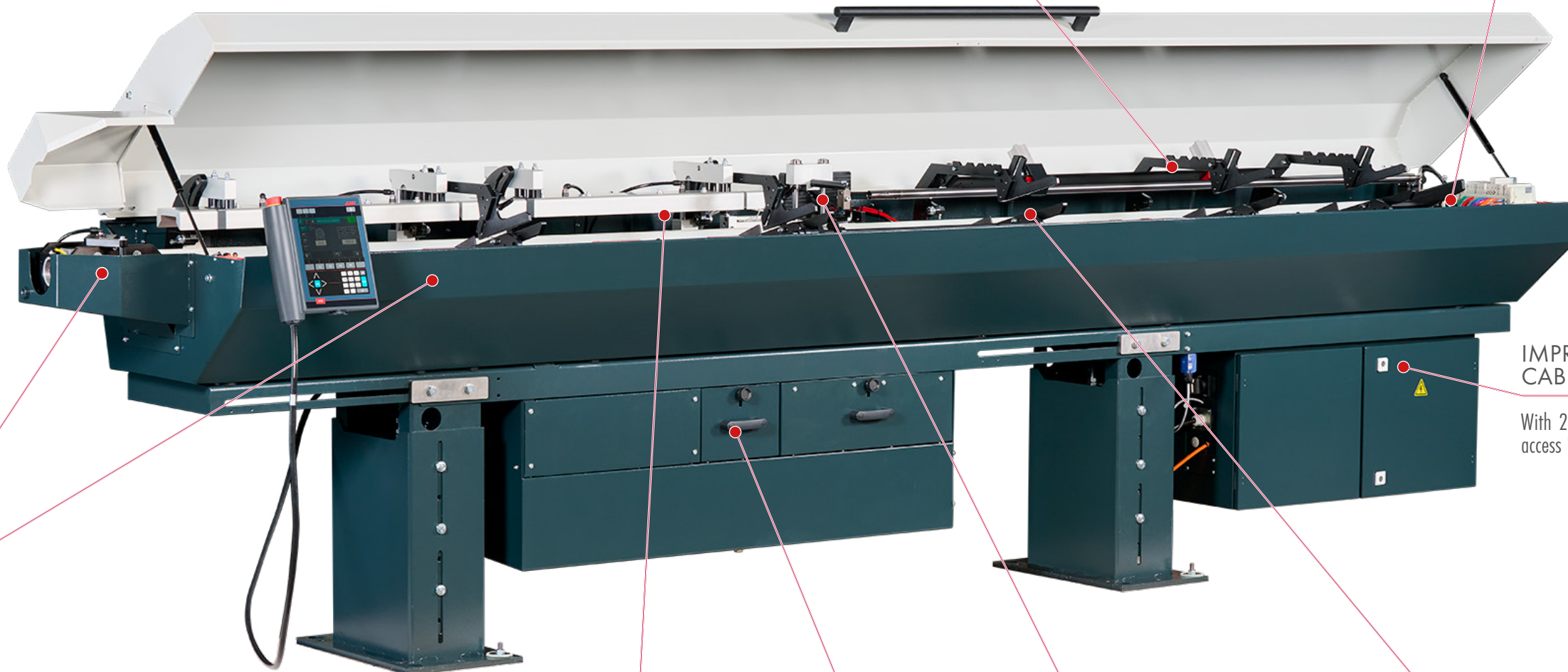


### STORAGE FOR PUSHERS

Dedicated, protected internal space for pushers.

### HIGH-PERFORMANCE SERVO DRIVE

Allows travel and positioning at high speed to an exact, determined distance for sliding & fixed headstocks.

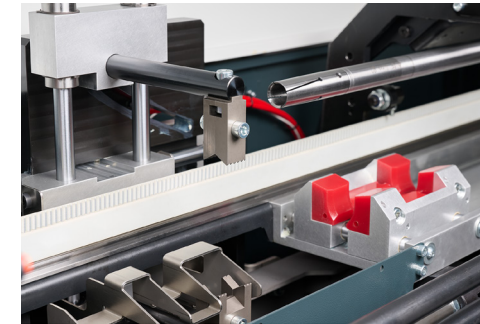


### IMPROVED ELECTRICAL CABINET

With 2 doors opening sideways, the access is wide and comfortable

### DRAWERS FOR ACCESSORIES

Dedicated space for collets and rotating joints.



### POWERFUL AUTOMATIC REMNANT EXTRACTION SYSTEM

The oversized vice to insert the bar and extract the remnant is actuated pneumatically and does not need any adjustment.



### BAR LOADING RAMP

Ramp with a capacity of 280 mm for long unmanned production, over the whole diameter range, from 3 to 46 mm.





## EASY TO USE HMI AND ADVANCED CONNECTIVITY

The operator-friendly remote control ensures the interaction between the bar feeder and the lathe for a safe and efficient production process, offering many features:

- Multilingual menu navigation and parameter setup;
- Selected functions and ongoing operations are clearly visible on the colorful, touch TFT display;
- Part length and bar positioning lengths are easily verified and/or corrected.

The software includes as standard the INDUSTRY 4.0 connectivity to benefit from high-level communication, like remote monitoring.



## STANDARD OR 2-POSITION RETRACTION

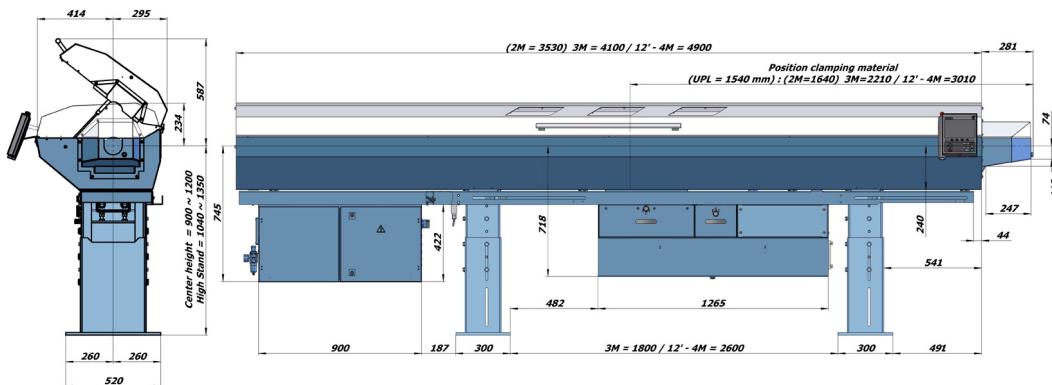
By loosening the four bolts on the stands from the operator side, the EXPRESS 346 evo retraction system allows a displacement of 500 mm in Z axis of the upper part of the barfeed, facilitating access to the lathe without compromising the precision of the alignment.

The optional 2-positions version build upon the standard retraction to offer one position to the front for working without guidebush, and one in the middle for working with guidebush.

Capacity		
Diameter	mm	ø 3 – (42) 46
Bar length (min - 3M/4M)	mm	1200 - 3200 / 4020
Loading system		Lateral magazine
Loading capacity	mm	280
Loading side		Left / Right
Applications		
Type of headstock		Fixed or sliding
Synchronization		PLC / Servo motor
Remnant length		Min. 100 / Max. 400
Remote control		Colour touchscreen
Z-axis retraction	mm	500

Diameter change		
Diameter set up	min	2 (for pusher collet)
Complete change	min	2 (including pusher)
Driving system		
Motor		Servo
Drive		Notched belt
Guide		Hydrodynamic / automatic channel
Oil		60L, ISO VG 100
Options		
Adjustable 2-positions longitudinal movement for guidebushless mode		

## Floor plan (mm)



LNS Europe  
Route de Frinvillier  
2534 Orvin  
Switzerland

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