



ALPHA 565

AUTOMATIC BAR FEEDER FOR LONG BARS

The ALPHA 565 bar feeder is perfectly designed for medium to large production runs, accommodating bar diameters from 5mm to 67mm. Its reinforced base enhances stability and vibration dampening, delivering superior performance and optimizing overall production efficiency.



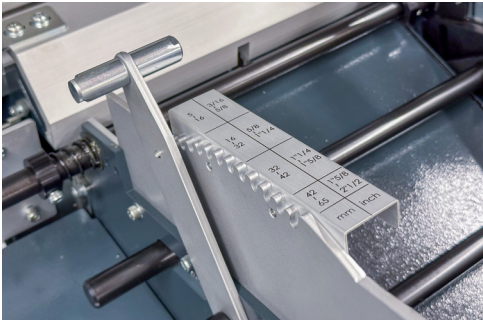
YOUR ONE-STOP-SHOP
FOR MACHINE-TOOL PERIPHERALS

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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.

ALPHA 565 : A NEW ADDITION TO THE ALPHA FAMILY

The Alpha 565 offers a robust solution for handling larger bar diameters and extended runtime demands, all while building on the trusted performance, reliability, and value of the Alpha product family.



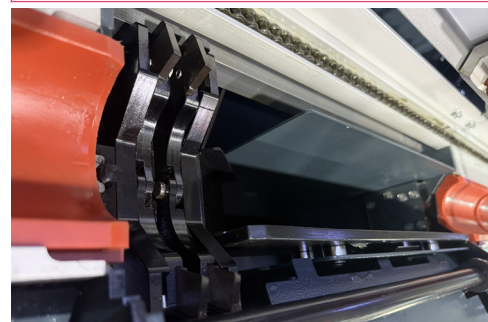
FAST & EASY SETUP

Bar diameters on the 300 mm long side load rack of the bar feeder are changed over by a centrally controlled, manual setting using an adjusting lever. A position scale enables clear visualisation of the setting and prevents setting errors.



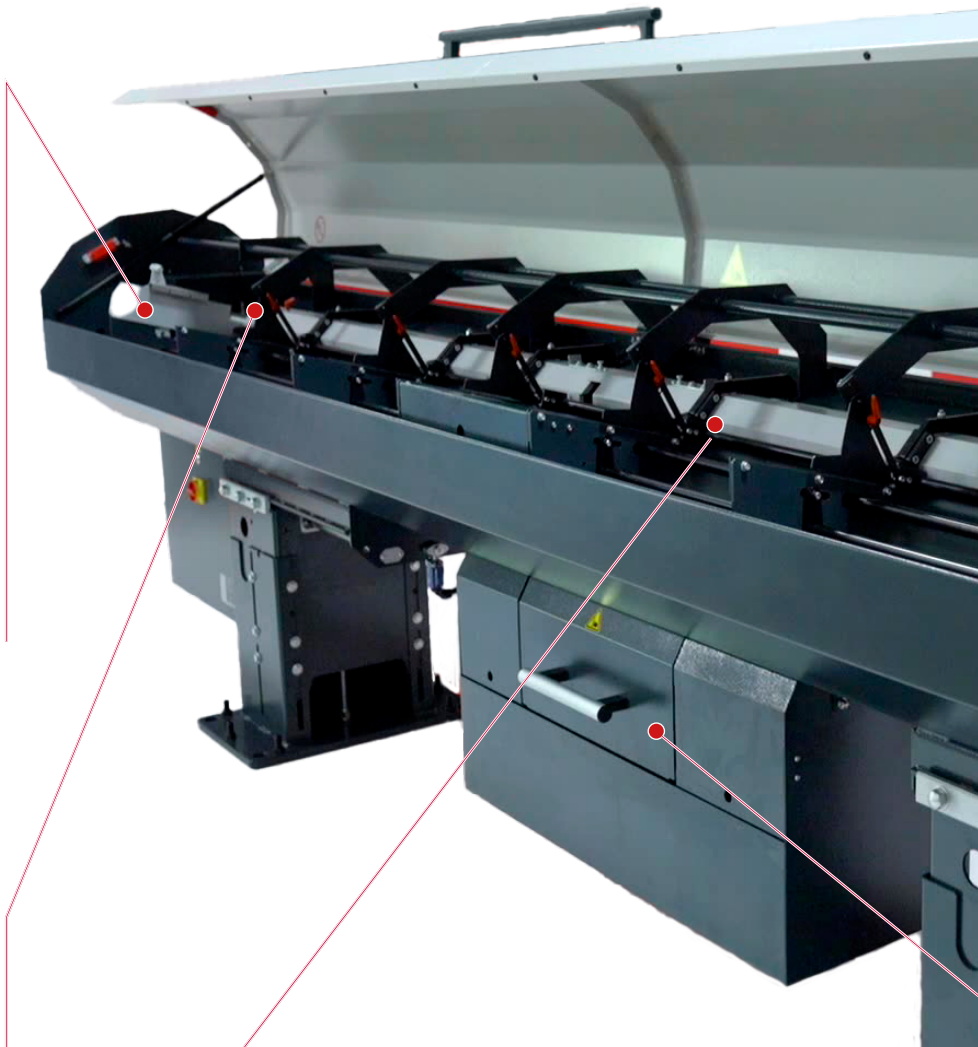
HIGH-PERFORMANCE SERVO DRIVE

Allows travel at high speed and a shock-free positioning to an exact, determined distance.



POWERFUL REMNANT EXTRACTION SYSTEM

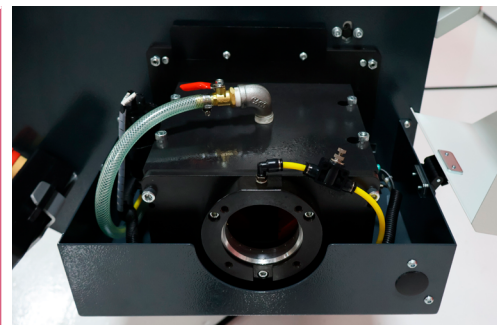
The sturdy design of the system provides enough force to insert and remove the material reliably, preventing failure during insertion or when the remnant is evacuated.





STURDY AND OPTIMIZED CORE BEAM

The solid core of the beam creates unmatched rigidity allowing you to run your production with confidence. The lower vibration and greater stability translates to more accurate machining and higher quality finished parts, even while running the heaviest bar stock.



AUTOMATIC FRONT REST

Not only is the heavy-duty front rest designed to steady large-diameter bars during production, but it also automatically adjusts to the diameter as entered on the HMI.



REMNANT DRAWER

Integrated hydraulic tank with easy access remnant drawer. Allows the remnants to drain completely before pickup.



CHANNEL CHANGEOVER

Changing the guide channel is as easy as sliding the guiding elements into the remnant drop area, gathering them from the remnant bin, and sliding in the new ones - no tools required!



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.



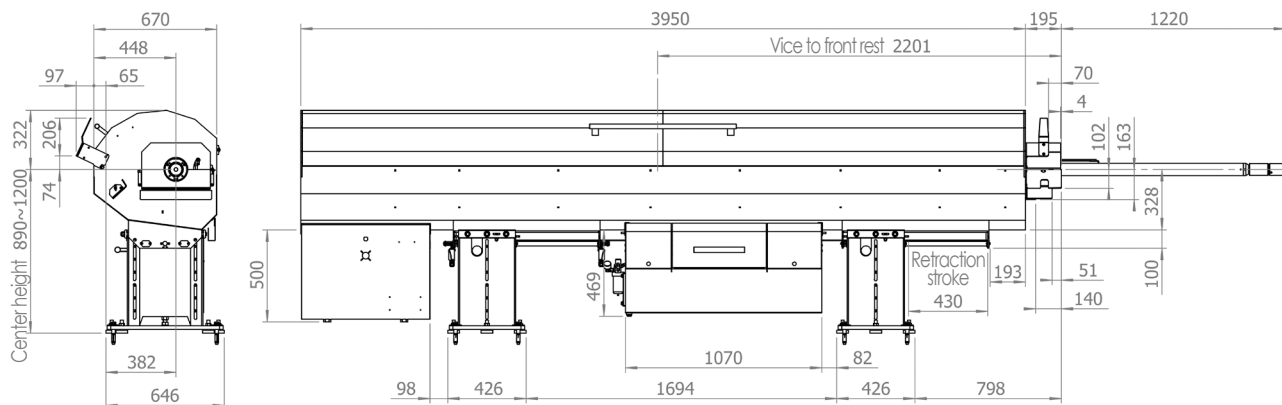
STANDARD RETRACTION

By loosening the four bolts on the stands from the operator side, the Alpha 565 retraction system allows a displacement of 430 mm in Z axis of the upper part of the barfeed, facilitating access to the lathe without compromising the precision of the alignment.

Capacity		
Diameter	mm	ø 5 – (62) 67
Bar length (min - 3M/4M)	mm	1000 - 3300 / 4200
Loading system		Lateral magazine
Loading capacity	mm	300
Loading side		Left-Front
Applications		
Type of headstock		Fixed
Synchronization		PLC / Servo motor
Remnant length		Min. 75 / Max. 460
Remote control		Colour touchscreen
Z-axis retraction	mm	430

Diameter change		
Diameter set up	min	2 (for pusher collet)
Complete change	min	8 (including pusher)
Driving system		
Motor		Servo
Drive		Notched belt
Guide		Hydrodynamic / guiding elements
Oil		80L, ISO VG 100
Options		

Floor plan (mm)



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