



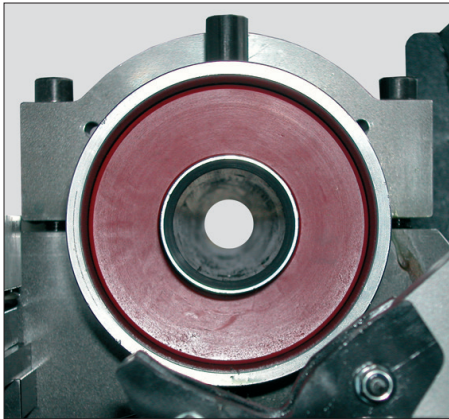
## MOVE S2

AUTOMATIC BAR FEEDER FOR FIXED  
HEADSTOCK LATHES

Diameter range: 8–80 mm



YOUR ONE-STOP-SHOP  
FOR MACHINE-TOOL PERIPHERALS



## "THIRD-DIMENSION" BARFEEDING SYSTEMS

Move S2 proposes an innovative response to the dilemma of choosing between the two standard philosophies of working with bars: long bars or short bars.

On the one hand, utilizing long bars perceptibly reduces the quantity of scrap obtained. Short bars, on the other hand, are guaranteed to remain straight and handling is facilitated. The "half-sized bar" concept, involving bars with a maximum length of 1900 mm, combines the merits of the two philosophies while mitigating their disadvantages considerably. It offers new prospects for manufacturing profitability, which can be summed up in one sentence: "Cutting down on costs in order to increase performance".



## EXCEPTIONALLY GOOD PERFORMANCE

Move S2 guarantees maximum productivity over an 8-80 mm diameter range.

This performance is assured by the dynamic design of the device and its excellent ergonomic characteristics. The machine's technology provides for a high-precision bar guide feature based on a guide tube.

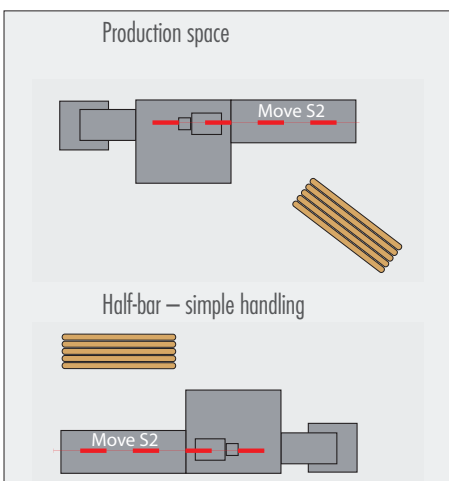
During the loading operation, the bar is inserted and retained inside the guide tube. The hydrodynamic system ensures absorption of the vibrations that affect the surface condition of the workpieces and limit rotational speeds during the turning operation.



## CHANGE OF DIAMETER

The diameter switchover is a factor to be closely monitored in the cost of production. In the Move S2 system this operation is facilitated as there is only a single element to be changed. Changeover times are extremely short — a matter of about 4 minutes.

The guide tube can be changed simply and rapidly. The start-up operation is performed in record time and without any errors thanks to the machine's built-in intelligence. To machine a new diameter, all you have to do is enter into the control unit the few parameters associated with the part to be produced, and the job is done.



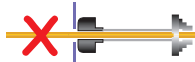
## DEVICE FOOTPRINT

The half-sized bar concept used by Move S2 considerably reduces the minimum floor space required behind the machine, thus making a good deal of space available in the workshop. In addition, half-sized bars are far more convenient to handle: this facilitates the storage, transportation and loading of bars that are shorter and lighter than those of the traditional type.

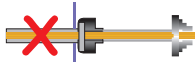
The use of half-sized bars and the fact that the feed system has a built-in guide provide the customer with a compact device that allows the production space available to be optimized.



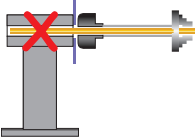
## 1. Allowing the bar to protrude



## 2. Extended spindle liners



## 3. Added bar supports



## HIGHLY PROFESSIONAL SAFETY FEATURES

One of the most obvious safety risk occurs when the part of the bar protruding from the back of the rotating spindle is not guided. As opposed to other — not very professional — alternatives, Move S2 provides real safety by means of a highly-efficient technical, and at the same time economical, solution.

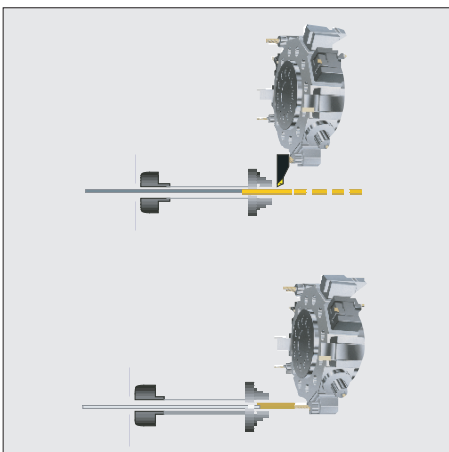
The fact that the guide tube is positioned directly behind the spindle enables the bar to be retained and centered optimally. This solution completely prevents the bar from interfering with external elements.



## MAKING MORE ROOM WITHOUT COMPROMISING ON PRECISION

To change spindle liners, space must be created between the magazine bar loader and the headstock. The magazine bar loader moves without compromising its stability and, therefore, its precision.

Z-axis retraction facilitates access to the spindle for changing spindle liners or for lathe maintenance operations. The chassis retracts up to 470 mm on the upper part of the stands and maintains perfect alignment with the spindle. This mechanism saves time spent in realignment.



## A DRIVING FORCE

The servo drive allows rapid movement during slack periods, thus reducing them to a minimum. The drive follows the bar with perfect accuracy without losing contact, and prevent shocks to the turret.

Depending on the clamping system, the feed out to part length can be controlled by the magazine bar loader, or alternatively by the turret stop.



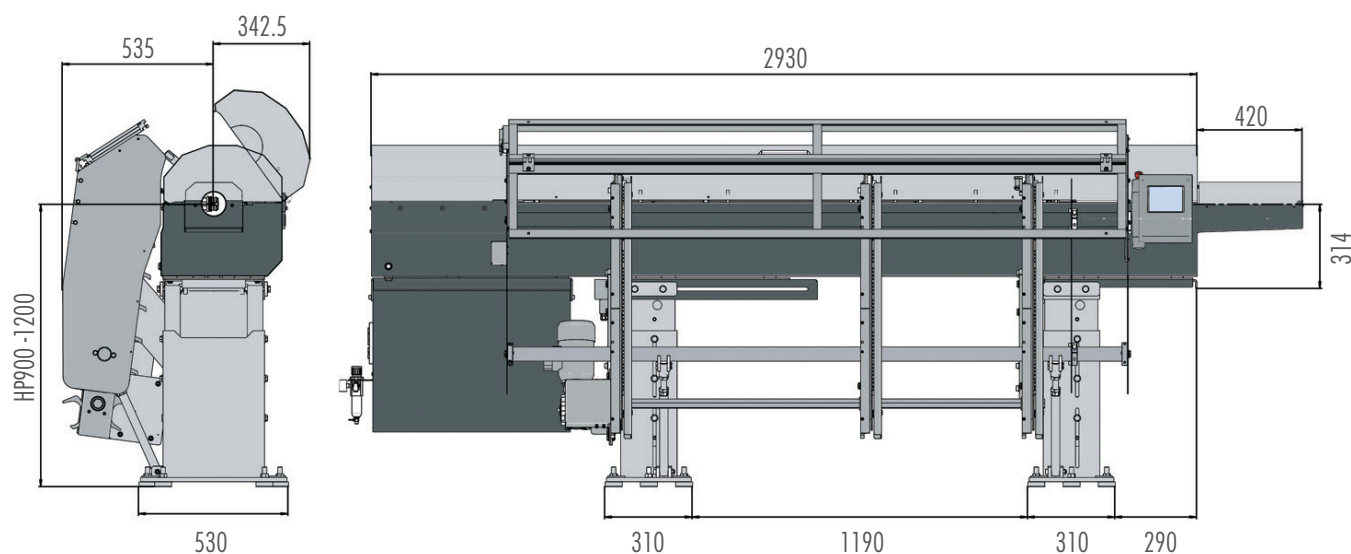
## LOADING SYSTEM

The Move S2 loading system consists of a side-delivery chain elevator designed to facilitate handling, while making it unnecessary for the operator to lift the bars to the maximum height. The magazine has a capacity of 7 bars and this can be extended by taking up the "additional lateral gravity loading ramp" option.

## TECHNICAL SPECIFICATIONS

Capacity		
Diameter	mm	ø 8 – 80
Bar length	mm	700 – 2100
Loading system		Side chain elevator
Loading capacity	Bars	7
Loading side		Front
Applications		
Type of headstock		Fixed
Longitudinal movement	mm	470
Diameter change		
Complete change	mins	4
Driving system		
Motor		Servo
Drive		Notched belt
Guide		Guiding tube
Oil		40L, ISO VG 100
Option		
330 mm capacity extension		

## FLOOR PLAN (MM)



## 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.



LNS SA  
Route de Frin villier  
2534 Orvin  
Switzerland

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