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## ***SPRINT S3***

### **Fixed headstock automatic bar feeder**

Diameter range: 10 – 80 mm

#### **Robust design combined with maximum guidance precision**

The Sprint S3 is an automatic high-performance magazine bar loader for fixed-headstock CNC lathes. It is intended for medium- and large-series production within a diameter range of 10 to 80 mm. This magazine bar loader was specially designed to guarantee increased productivity and absolute reliability.



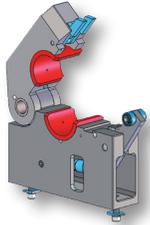
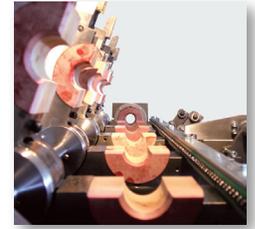
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# SPRINT S3

## Exceptional performances

The Sprint S3 is ideal for demanding applications because its robust design, together with Hydrobar® technology, allows maximum rotation speeds to be achieved without creating vibration. This guarantees both an excellent surface quality and the observance of stable tolerances. It also ensures reliable loading operation of round, quadratic or hexagonal bars.

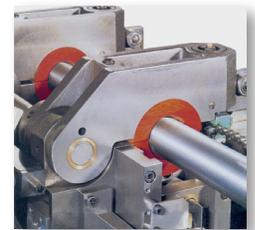


**The hydrostatic bearing blocks** guarantee exceptional guidance quality, even at the highest rotation speeds, because the hydrostatic principle applied does not limit the spindle rotation speeds in any way. The oil injected absorbs vibrations and minimizes friction of the rotating bar. The machine achieves maximum performances when clearance between the diameter of bearing elements and bar is 1 mm.

**The programmable control** allows all the machine's automatic functions to be precisely regulated remotely. This control incorporates ergonomic, intuitive menus that allow rapid changes to be made to production runs. Furthermore, the optoelectronic detector controls the path of measurement precisely and reliably.

**Changing diameter** is a parameter of production costs that needs to be closely monitored. The Sprint S3 allows rapid and easy changing of guiding elements; all elements can be changed in a mere 15 minutes.

**Storage capacity:** During large-series machining, downtime can be minimized because the Sprint S3 preloads the next bar while machining the current piece. Furthermore, the Sprint S3 has a large bar-storage capacity; to support continuous operation of the CNC lathes.

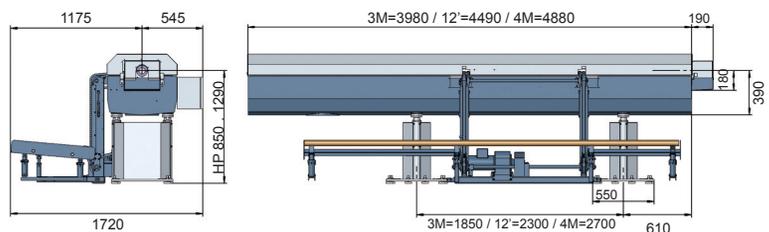


**Reduced maintenance:** The robust design of the Sprint S3 means that it only requires a minimum of maintenance. The absence of vibrations during bar rotation also ensures the longevity of the tools and increases the lathe's service life.

## Technical specifications

Diameter	Ø 10 – 80 mm
Bar length 3m/12/4m	3300 mm / 3800 mm / 4200 mm
Loading system	Floor load rack
Loading capacity	700 mm
Loading side	Front/rear
Headstock type	Fixed
Total changeover	15 min. (for all guiding elements)
Motor	Pneumatic
Drive	Chain
Guiding	Hydrostatic / bearings
Oil ISO 100	80 Lt

## Floor plan (mm)



## Your "One-Stop-Shop" for machine-tool peripherals

LNS is your "One-Stop-Shop" for industry leading bar feeding equipment and accessories, chip conveyors and coolant management systems, and air filtration 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 Europe. And because we design every product we sell, we can provide parts and service for all LNS equipment.



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