

ILS Loading System RBL Automatic Workpiece Loader

The super-fast loader for single-spindle and opposed spindle lathes

Perfect loading technology for saw-cut workpieces

The fastest method of loading a workpiece into a lathe chuck is through the spindle tube.

This improved technique in turning of bars, can be used for single workpieces with the ILS-RBL automatic loader.

The workpiece is taken from the integrated magazine and placed on a prism made of synthetic material. A material pusher feeds the workpiece through the matching spindle liner tube into the chuck.

Workpieces with complex profiles can be positioned precisely in the chuck by using a corresponding profiled spindle liner tube.

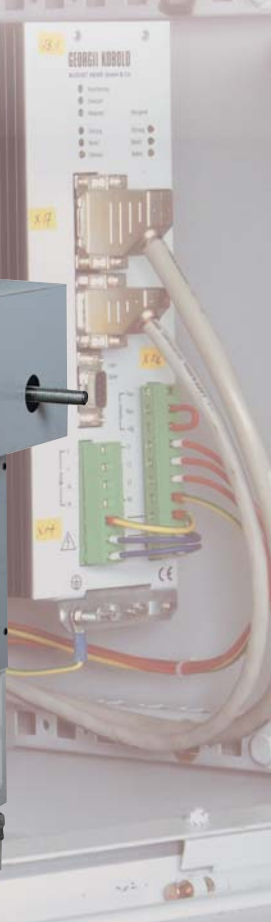
Precision drive

This new generation of machines with a complete new servo drive, the feed force (torque) and the feed speed (motor speed) can be adjusted independently.

The new RBL servo control also offers the possibility of driving into different positions one after the other or alternately.

If this possibility is integrated into the control of the turning process, the RBL material pusher is able to carry out fast workpiece feeds, traverses or transfers.

Considerable savings in cycle times are the usual result.



ILS-RBL Workpiece Loader – Rationalises

the handling of parts for single-spindle and opposed spindle lathes

Flexible adaptation to workpiece and lathe

The modular construction of the ILS system allows optimal adaptation to the design of the respective lathe – and to the planned spectrum of parts.

If, during retooling, the diameter of the material changes, the prism feeder is modified accordingly. The spindle liner tube is also changed. This represents no problem because the ILS-RBL can be moved radially.

For optimal work conditions we recommend the use of exact-fitting or profiled spindle liner tubes with the corresponding pad for the material pusher. The diameters of the standard spindle liner tubes are graduated in 1 mm steps. Custom-made spindle liner tubes for specific diameters and profiles are obtainable from BREUNING.

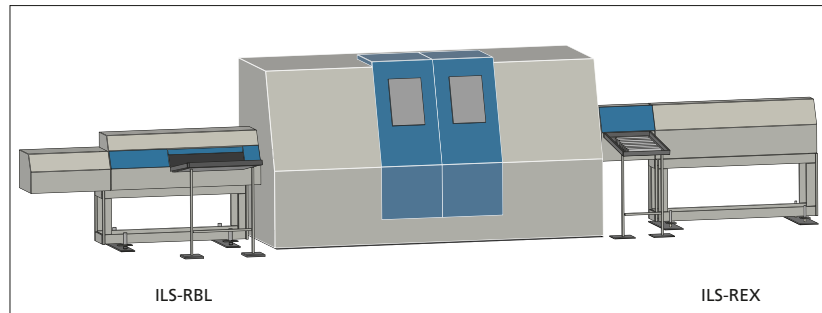
Magazing

The ILS automatic loader is extremely versatile and can be adapted to various job situations.

There are a number of possibilities for the magazing of the parts. Standard is a roller gear feed table. A horizontal indexed conveyor is available for difficult bars that have to be positioned carefully.

It is also possible to link the system to additional magazines and conveyor equipment like oscillating conveyors and pick-and-place machines.

The complete solution with ILS-REX automatic unloading machine



Type versions

● ILS-RBL 7205

Max. workpiece diameter 72 mm. Transfer table from 500 to 1500 mm in 100 mm steps available as standard equipment. Maximum lengths as required.

The length of the workpiece is limited by the headstock length (spindle liner tube). Extensions are possible.

● ILS-RBL 10005

Max. workpiece diameter 100 mm (oversize 1200 mm). Loading routes and lengths as for ILS-RBL 7205.

● ILS-RBE 72 and 100

In this type the machined workpieces can be retracted through the spindle liner tube and placed on an unloading table at the back. Loading route, workpiece diameters and lengths as for ILS-RBL.

Optional extra

Indexed conveyor for positioning and marshalling into singles

Accessories

Pads

Spindle liner tube in every version required

Take advantage of our experience

BREUNING has specialised exclusively in manufacturing superior material feed systems for decades.

Our comprehensive range of standard equipment contains all you need for efficient turning operations – from simple feed machines to our fully automatic, state-of-the-art ILS system.

If you are interested in rationalising your operations, contact us to arrange a meeting to discuss your conditions and aims so that we can draw up a proposal for you. You will be under no obligation whatsoever.

For further information on individual products, please call or fax us.

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