

Flexmill L-series

HIGH PERFORMANCE WITH FLEXIBILITY

Flexmill L-series platform is flexible and high performance solution for various different applications. L-series platform is especially designed for finishing objects with challenging shapes, such as turbine parts and marine propeller

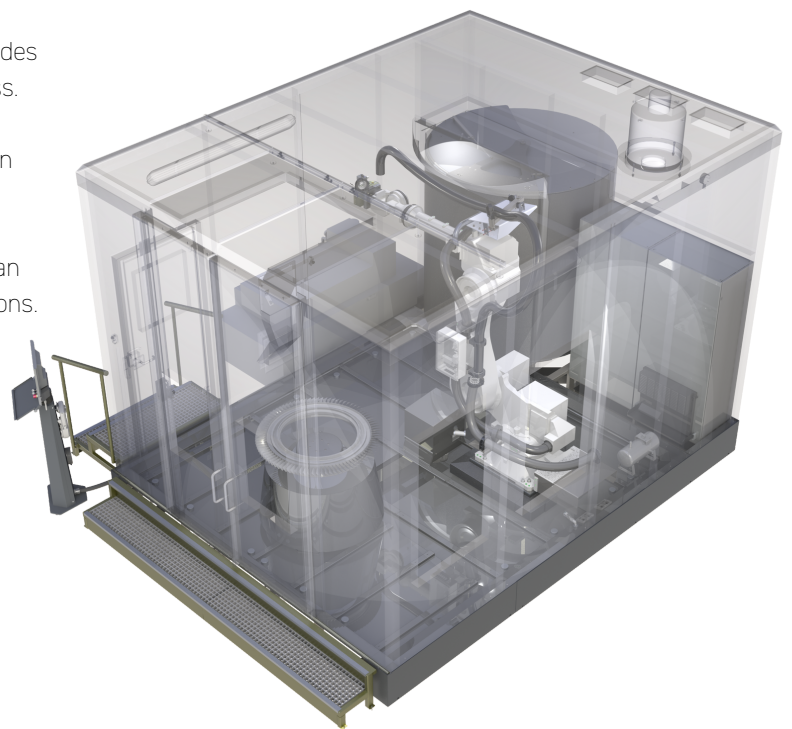
Flexmill's L-series platform is a solution for larger work pieces. It has been developed in order to provide intelligent robotic automation in a manner that provides the best performance and added value to the process.

L-series offers a flexible and scalable machine design that suits a variety of different applications.

Depending on the desired application, the L-series can be equipped for either dry or wet processing conditions.

Applications areas

- Blade and vane polishing / finishing
- Blisk polishing / finishing
- Large casings finishing
- Big structure finishing
- Gear chamfering
- Propeller finishing
- Weld grinding
- Laser marking



L-SERIES PLATFORM FEATURES

- ✓ Work piece length up to 1800 mm with max weight 500 kg or rotary part up to 2400 mm diameter with max weight 5000 kg
- ✓ Payload capacity up to 210 kg
- ✓ Dry or wet condition treatment
- ✓ Tool to part working method
- ✓ Belt, rotary and spindle tools available
- ✓ Automatic tool/tool media change system
- ✓ Integrated tool center point calibration

L-series offers the flexibility to utilize the platform for numerous different applications by combining a wide range of available standard tools and process modules.

The level of automation can be scaled up from a semi-automatic manually operated machine to a fully automated production cell for automated FMS lines.



Benefits

- Fully CAD/CAM programmable
- Easy to set up and operate
- High reliability and process quality
- Parametric process control
- Wide range of tools available
- Automatic tool media exchange
- Scalable machine design

Options

- Wide range of standard tools
- Application-specific tools
- Automatic belt change
- Automatic spindle tool exchange
- High torque and high speed spindles
- Tool compliance
- 2D/3D vision systems