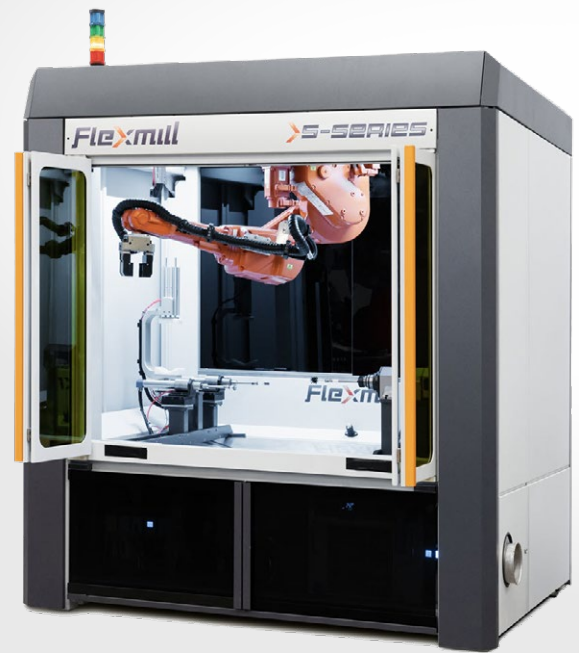




**MIRKA**



# S-SERIES

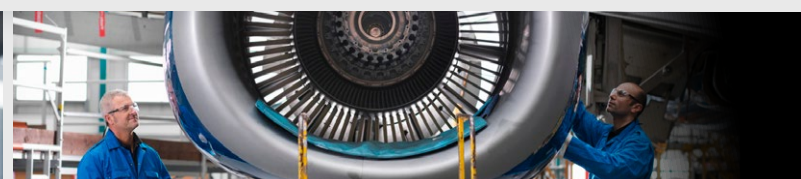
## The powerful & productive solution

The S-series system is a compact and cost-efficient, yet powerful and productive solution for small part surface finishing. It contains a small robot, placed in an inverted position inside a fully enclosed housing, with specific tool kits placed around the robot arm. The tool kits can be selected from a variety of modular, proven tool kits based on application requirements. The process parameters and robot

tool path programs are stored in a cell controller PC and can be easily accessed by the operator with full control over the process flow at all times. The unmanned running time can be gradually increased, by introducing more tool racks and automating the material flow around the system. The system is compatible with most offline programming and CAM systems.

### Benefits

- Healthier and safer working environment, increased employee happiness, working efficiency and reduced sick leave days
- Increased quality, integrity, and consistency
- Increased total tool-on-contact time
- Uniform surface quality, minimizing scrapped parts and process waste
- Compact design saves floor space and the system does not require special foundations
- Material flow can be automated to increase daily unmanned running time
- Increased yearly production capacity up to 8760 hours
- Mirka process support and service during the whole robot life-time



Dedicated to the finish.

# S-SERIES

## Features

- Fully closed compact housing
- Workpiece length typically up to 250 mm
- Workpiece weight typically up to 3 kg
- Cutting fluids can be used for sensitive materials
- Part-to-tool or tool-to-part working method
- Belt tools, spindle tools and random orbital sanders available
- Automatic, patented, tool media change systems for belts, discs, brushes, files, stones, milling cutters etc.
- Force control and compliance devices integrated in the tool kits as default
- Mechanical probes and/or optical sensors used for part program offsets
- Easy to set up and operate via user-friendly graphical UI
- New programs can be generated with several, commercially available, CAM/Offline systems
- Tool racks accessible while the robot is working
- Delivered with CE-marking



## Processes

- Linishing
- Grinding and deburring
- Sanding and polishing
- Cutting and milling
- Dot peen marking
- Laser marking
- Marking verification

## Applications



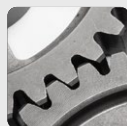
Blades



Vanes



Hydraulic blocks



Gear wheels & Gear axles

## Typical industry segments



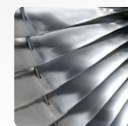
Aerospace & Defence



Process industry



Maritime



Energy



Medical