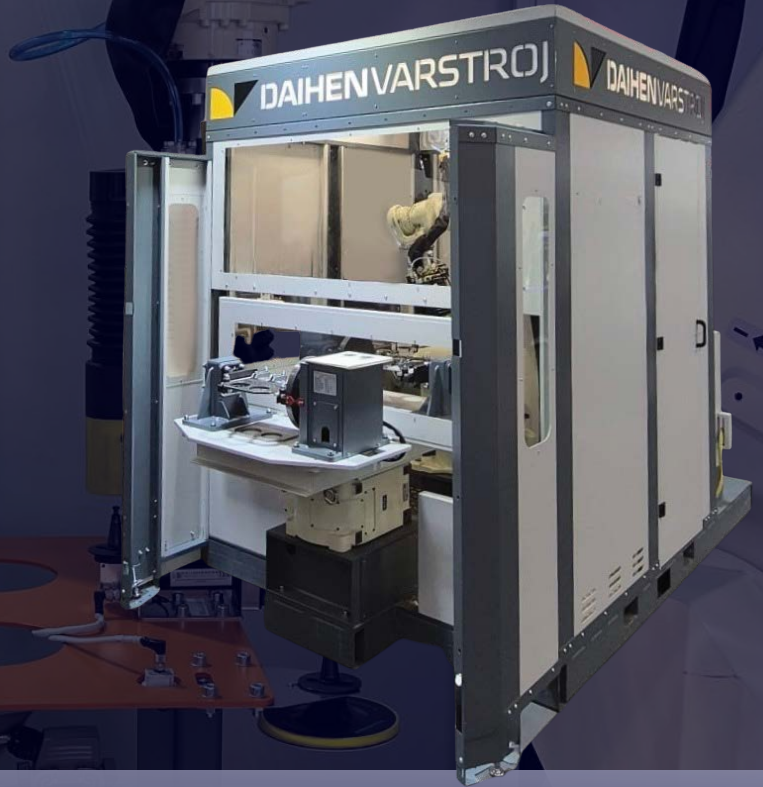




Grinding

ROBOTIC GRINDING CELL with active contact flange



TAILORED TO YOUR PRODUCTION NEEDS

One system endless possibilities

The robotic grinding cell, equipped with an integrated FerRobotics active contact flange, enables fully automated grinding, sanding, polishing of surfaces, as well as automated adhesive tape application.

A solution engineered for tasks requiring high sensitivity, precision, and superior finishing quality, even on complex geometries.



Versatile surface treatment options

Grinding, sanding, polishing, cleaning, deburring...

Compatible with all material types

Steel, aluminium, titanium, carbon fiber, plastics, wood, ceramics...

High adaptability

Simple customization of workstations based on material type and required process.

Plug & Play attachments

Quick tool changes without complex adjustments.

Added value for your production

- Automation of complex and hazardous manual operations
- High quality through precise and repeatable processes
- Increased productivity with optimized and faster cycles
- Reduced operational costs

Custom solutions

for every process

Easy integration of various grinding attachments and workstations, ensuring maximum flexibility and efficiency across different production workflows.



ACF Active contact flange

- Multifunctional tool
- Force measurement and adjustment
- Plug & play surface finishing



AOK Active orbital kit

- Orbital sander/polisher
- 2x higher performance



AAK Active angular kit

- Angle grinder for weld leveling
- Deburring
- 2x higher performance



ASK Active sensitive kit

- Finishing of welded joints
- Bodywork and sheet metal processing



ABG Active belt grinder

- Belt grinding of smaller components
- Final surface finishing: grinding, deburring, polishing, brushing



ATK Active taping kit

- Automated adhesive tape application

Active force control for consistent results

The integrated system ensures constant and precise contact force in all directions, without additional robot programming or path adjustments.

Operation via OTC FD19 control unit with teach pendant

Simple teaching and programming supported by advanced integrated technology.

**The solution
is available in
various robotic cell
configurations,
tailored to your specific
process requirements.**