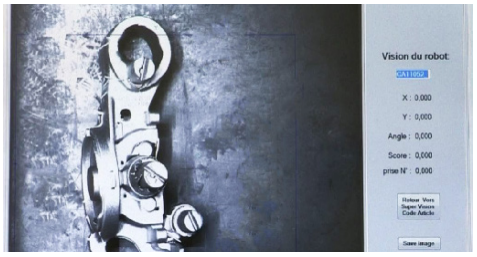
ROBOTIC DEBURRING CELL

INNOVATIONS AND SPECIFICITIES

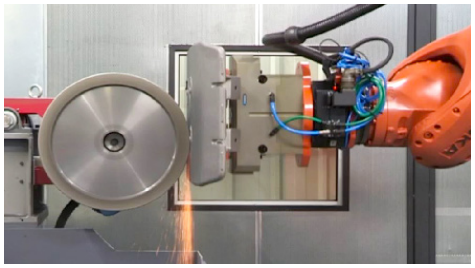
VISION SYSTEM

- Castings can be loaded without a specific support.
- Castings can be inspected (dimensions, quality, etc.).
- A castings positioning check can be carried out for simultaneous multiple production processes.



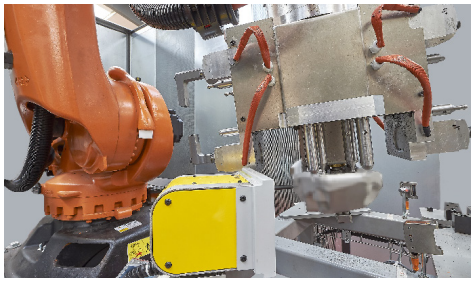
COMPLIANCE GRINDING

- Dimensional differences, defects located on jointing faces and moulding variations are some of the issues requiring adaptation of robot trajectories.
- Compliance systems developed by SiiF for spindles or castings clamps provide a finishing process suited to each casting.



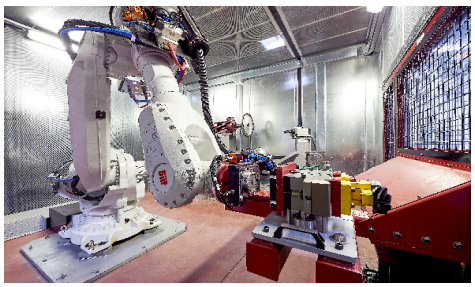
CASTINGS MARKING

- The development of quality systems and the need for individual tracking of parts increasingly requires the use of clearly identified markings (letters and numbers) or a DataMatrix code.
- SiiF offers all marking systems in accordance with customer specifications.



AUTOMATIC GRIPPER CHANGE

- The gripper automatic coupler is used to quickly change to adapt to production.
- This gripper coupler optimises cell use.

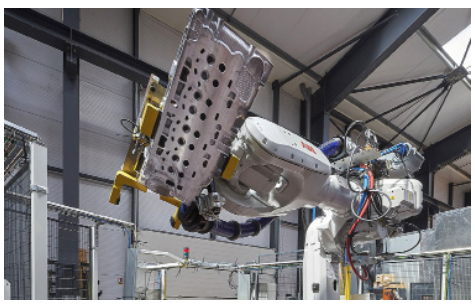


CHANGE OF TOOLS

- Automatic tool change quickly and safely changes one tool for another and optimises cell operating time.

TOOLS OR CASTINGS HANDLING

- For large, heavy castings the robot holds the fnishing tools.
- Castings can be ftted onto rotating supports, for optimum exposure of the areas to be fnished by the robot.
- Small and medium-sized castings whose weight is compatible with robot capacities are held using a suitable clamp and are processed to the various fnishing tools by robot.



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