

Automated deburring with stroke filing processes

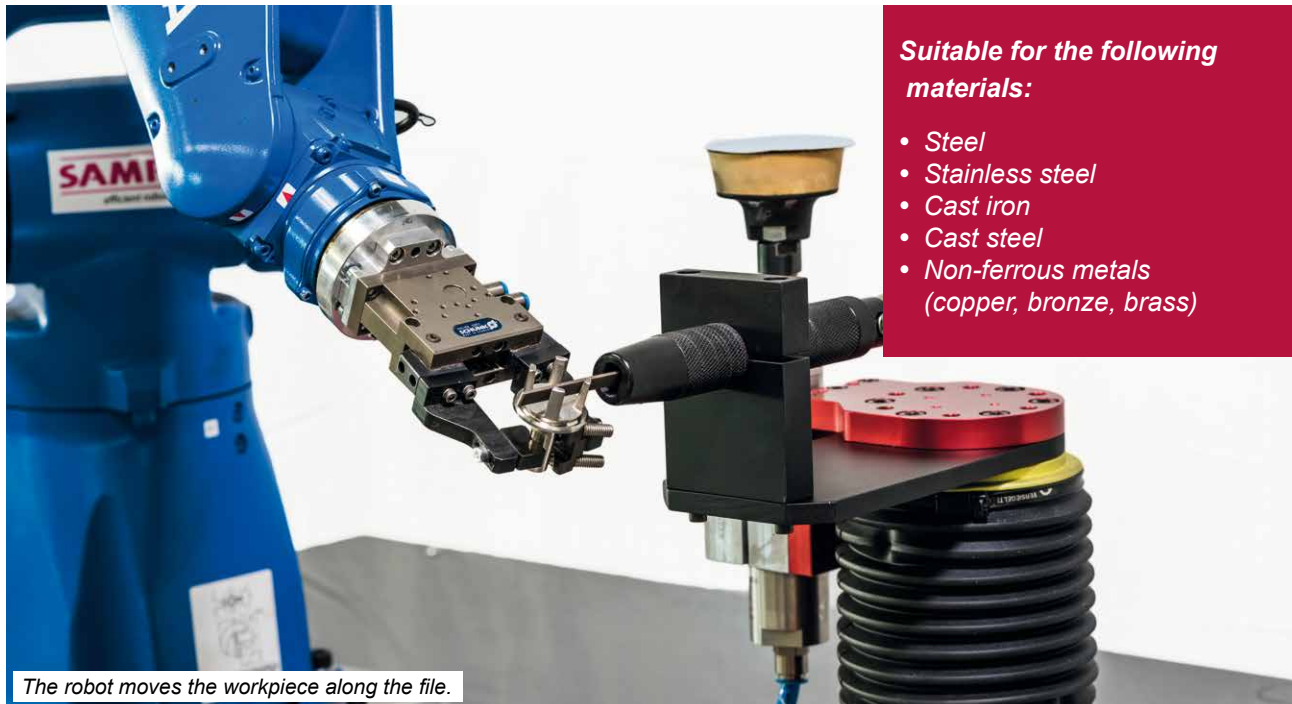


Task:

The process is particularly suitable for removing separating edges / particles on die-cast aluminium parts. Automated deburring can be performed with either the **component** or **tool** acting as a guide.

We work with the following robots:

KUKA / ABB / Fanuc / Kawasaki / Motoman / Yaskawa
All others on request.



The robot moves the workpiece along the file.

Suitable for the following materials:

- Steel
- Stainless steel
- Cast iron
- Cast steel
- Non-ferrous metals (copper, bronze, brass)

Your benefits:

- + **High tolerance to:**
 - Contact pressure
 - Contour variations in the component
 - Position accuracy of the robot
 - Processing speeds
- + **Cycle time optimised movements are possible,** since up-cut / synchronous movements need not be considered unlike in milling
- + **Tracking accuracy:** good processing of corners and sharp edges
- + **Safe tool changes** without risk of injury
- + **No harmful vibrations** due to automated equipment

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Technical details:

File drive	pneumatic or electrical
Applications	stationary or robot guided
Suitable processing materials	steel, cast steel, cast iron, non-ferrous metals
Stroke lengths	2 – 10 mm
Processing speeds	up to 300 mm/sec.

We provide ready to use robot systems and automation solutions:



Processing:

Deburring
Milling
Grinding
Stroke filing
Polishing



Assembly:

Assembling
Screwing
Shrinking
Pressing
Glueing



Handling:

Picking up
Stacking
Insertion
Removal
Placing

Everything from a single source:

Thanks to our integration into the **Pütz Group** and the resulting **synergy effects**, we are able to offer you not just robot systems and automation solutions, but also the appropriate test technology to test surfaces for dimensional accuracy.

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