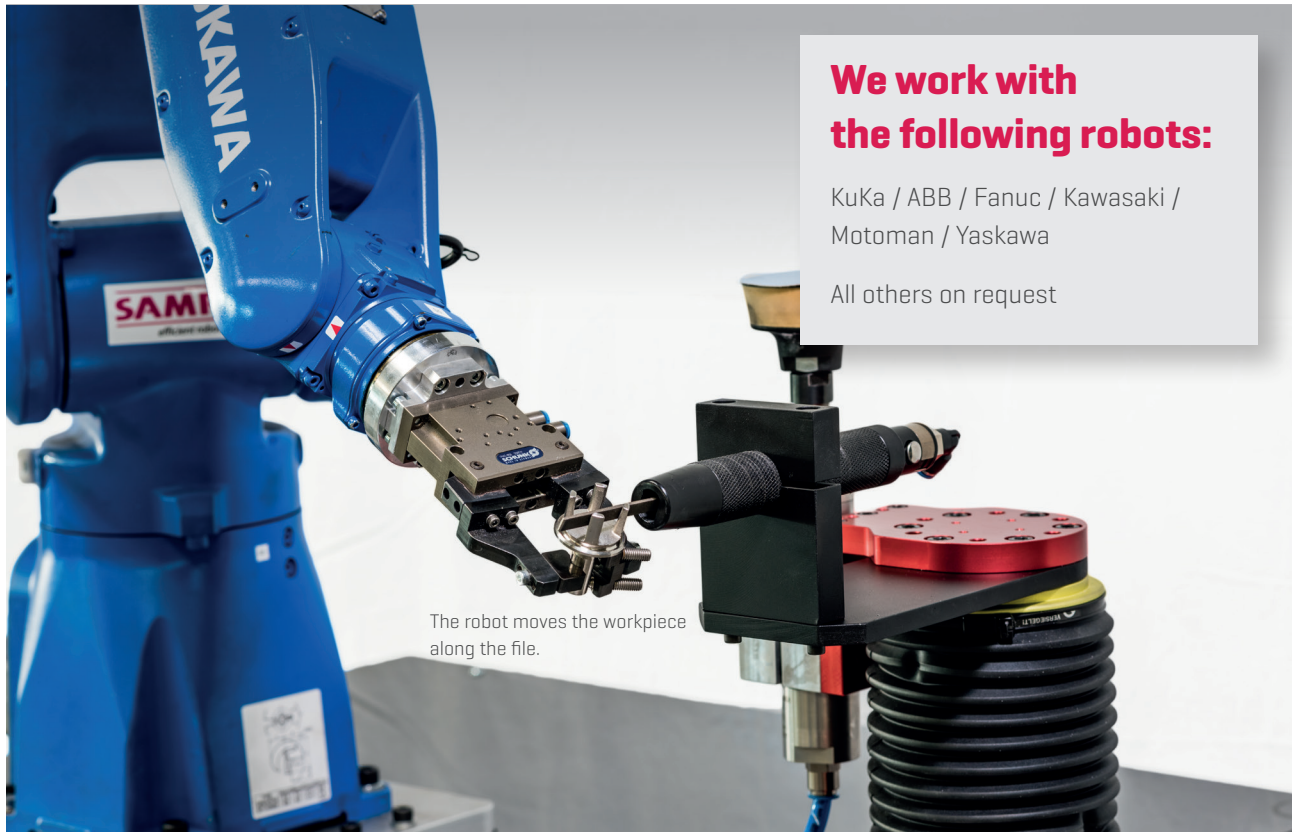


AUTOMATED DEBURRING WITH STROKE FILING PROCESSES

SAMPAS

efficient robot solutions

ROBOT SYSTEMS AND
AUTOMATION SOLUTIONS



The robot moves the workpiece along the file.

We work with the following robots:

KuKa / ABB / Fanuc / Kawasaki /
Motoman / Yaskawa

All others on request

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**.

Suitable for the following materials:

steel / stainless steel / cast iron /
cast steel / non-ferrous metals
[copper, bronze, brass]

Your advantages:

- + **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

Our services:

- Project planning and project management
- Robot PLC and visualisation
- Programming
- Construction [electrical and mechanical]
- Commissioning
- Interfaces in production
- Manufacturing and assembly



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 only robot systems and automation solutions but also the appropriate testing technology to test surfaces, for dimensional accuracy and completeness.

**SAMPAS GmbH takes care
of everything ...**

... Project planning and programming, project management, production interfaces, commissioning, on-site acceptance, production support and much more.

**We look forward
to your enquiry!**

Sampas GmbH

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