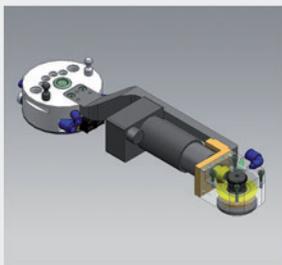
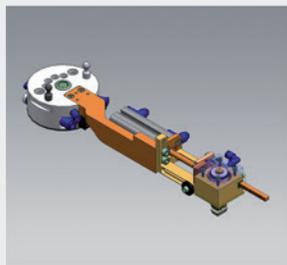
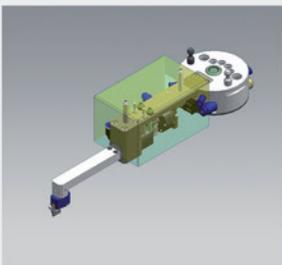
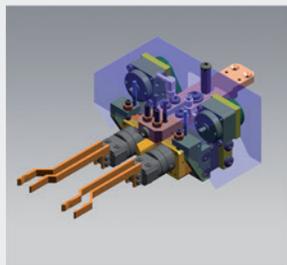
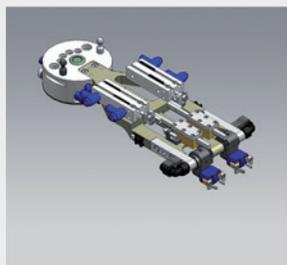
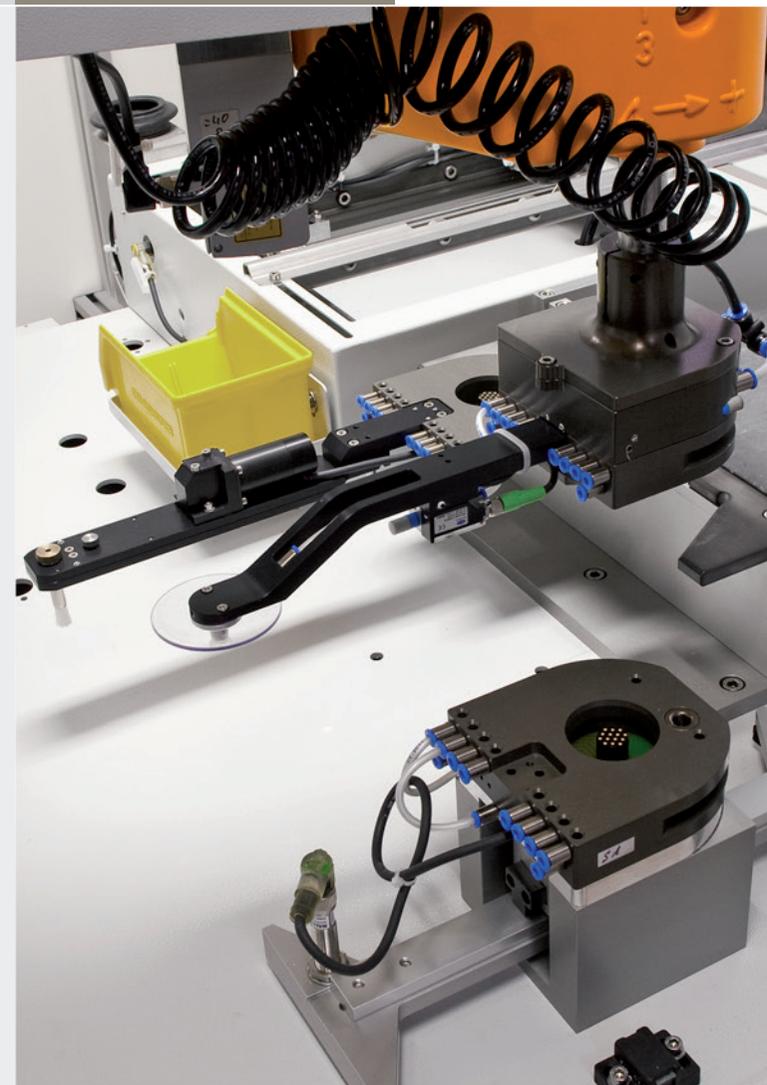


Customized Grippers

Metzner develops customized grippers for specific handling applications. This includes gripper solutions, allowing the orientation of the part to be changed between pick up and deposition.

This functionality secures an optimized arrangement of the parts on the sinter tray, and allows parts to be turned for placing them on a side, none-compromising to the product quality.



Contact

With their automation systems offers Metzner perfect solutions for the production of precision parts made of cemented carbides, metal powders and technical ceramics. This includes individual handling tasks in preparation of manufacturing processes, and process linking tasks. As provider of entire automation systems for complex applications we support our customers, starting with project engineering and planning, through commissioning and service of the systems.

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Please, check our website for more information about our product portfolio

www.metzner.com



Metzner Gripper Systems

For Powder-Press Robots

Vacuum Gripper

Operation

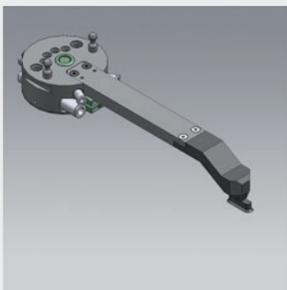
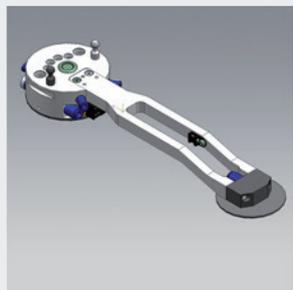
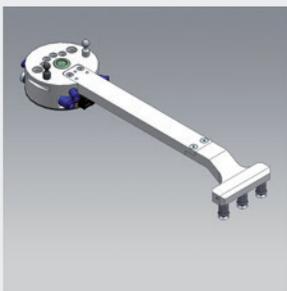
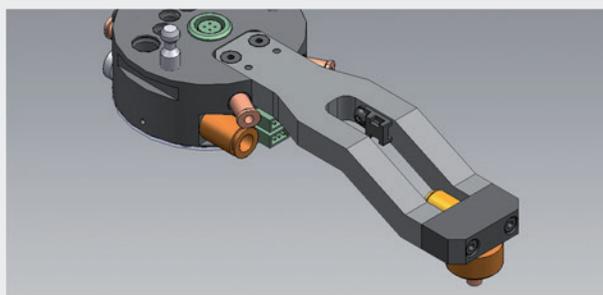
The part is picked up by means of suction force. Grippers of various designs are utilized, depending e.g. on the geometry of the part.

Application

Carbide inserts and other small parts with a plain surface on their pick up side.

Advantages

Swift exchange possible, small dimensions, low maintenance requirements, large variety of different suction cups available, low investment costs.



Balloon Grippers

Operation

Balloon grippers are using the form-lock principle, whereby the balloon is expanded (inflated) inside a bore, or another cavity of the part.

Application

Very small carbide inserts and other parts with bores \leq appr. 3mm (0.12").

Advantages

Protecting pick up of smallest parts, no contact of the outer part surface, simple pick up method for parts with profiled surfaces.

Mechanical Finger Grippers

Operation

The grippers are pneumatically activated, or motor driven. The parts are grabbed at their outer-, or inner contour. As a consequence grippers are distinguished in outside- and inside grippers. The clamping force is adjustable.

Application

Larger carbide inserts and other parts, featuring a complex outer geometry, and parts with larger bores or cavities.

Advantages

Wear-resistant, firm lock between part and gripper.

