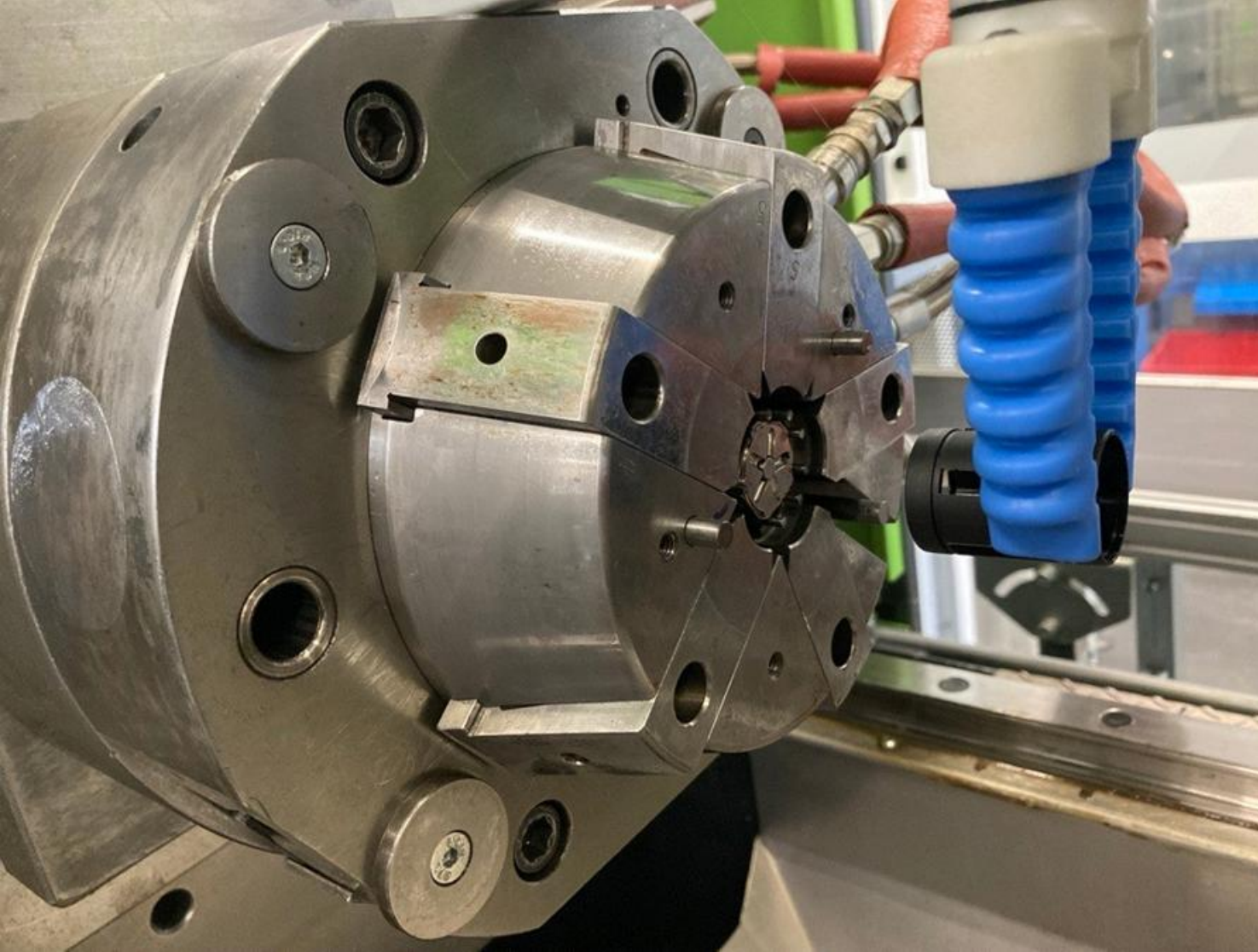




Injection molding use case:
Gentle part removal with
SoftGripping

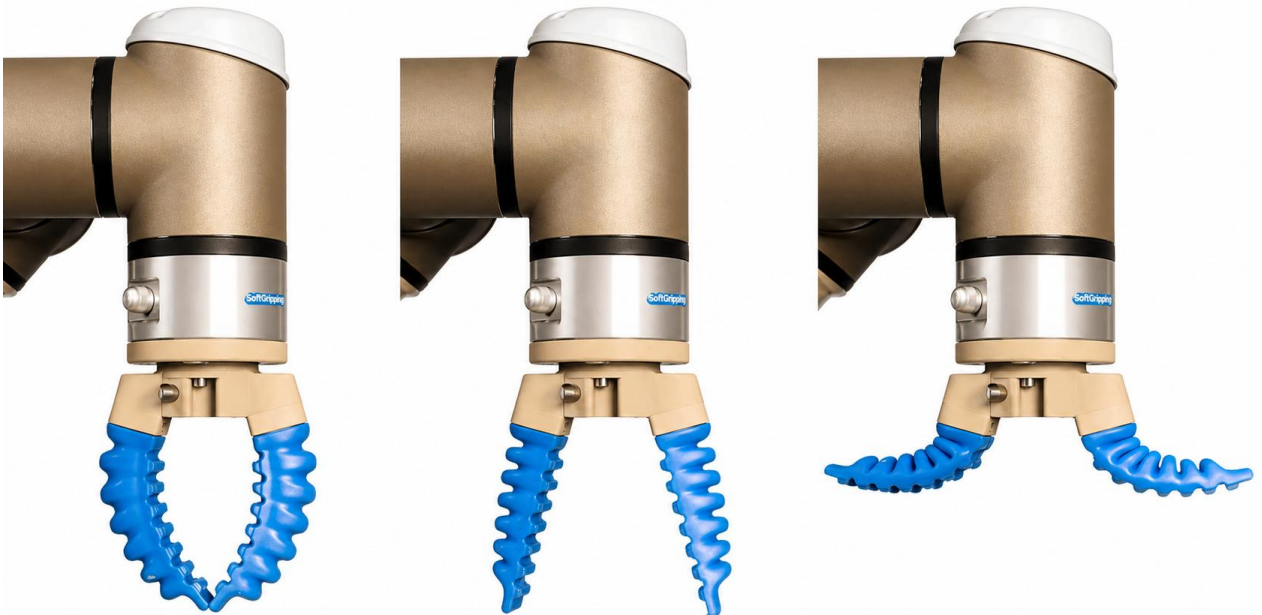
In injection molding production, part removal is a key factor in process stability, changeover effort, and mold protection. Especially for small, delicate, structured, or still-warm plastic parts, controlled removal directly from the machine is required. Uncontrolled ejection is not an option in these applications, as parts can be damaged, deformed, or deposited incorrectly.

Conventional metal grippers quickly reach their technical and economic limits in such applications. They are often designed for one specific product, involve high engineering and tooling costs, and must be extensively adapted or completely replaced when part geometries change. Vacuum solutions are also often only suitable to a limited extent for small contact surfaces, structured surfaces, warm parts, or complex geometries. This increases changeover effort, reduces machine availability, and can negatively impact the service life of sensitive injection molds.



With the SoftGripping Classic 2 Parallel, plastic parts can be removed flexibly, reliably, and gently after the mold opens. The soft, adaptive silicone fingers close in parallel around the part and automatically adapt to its contour. This distributes gripping forces evenly, reduces point loads, and protects both the part and the mold.

The gripper can be integrated directly into existing automation cells, compact robot systems, or cobot applications. Thanks to the intrinsic adaptability of the fingers, several similar part variants can often be handled with one gripper setup. This reduces the number of product-specific EOAT solutions, shortens changeover times, and simplifies automation in high-mix production.





Your benefits at a glance:

- **Gentle removal:** Soft silicone fingers handle delicate, structured, and sensitive plastic parts securely with minimal risk of damage.
- **Stable processes:** Adaptive gripping enables reliable handling immediately after the mold opens.
- **Greater flexibility:** One gripper setup can often cover several similar part geometries, reducing changeover effort.
- **Less EOAT complexity:** The need for product-specific custom grippers is reduced.
- **Easy integration:** Suitable for existing robot, cobot and automation systems.

The result: gentle, reliable, and flexible handling directly at the mold - ideal for demanding injection-molded parts and high-variant production.