

# Petri Dish Automation

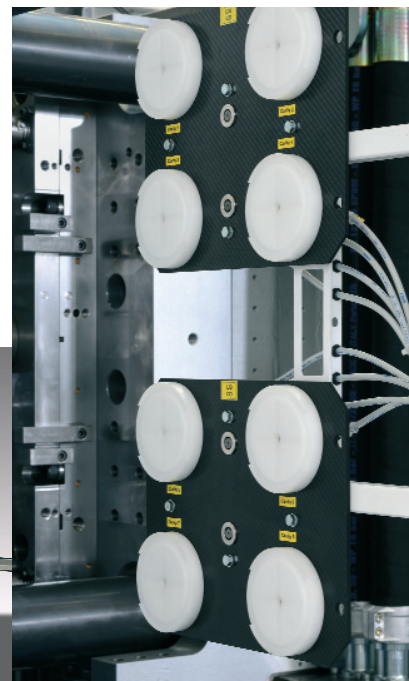
## Highlights

- Cycle times down to 3.6 sec
- Mold open times 0.6 sec and better
- Standardized system modules, well proven in many machines, always adapted to your specific product
- Flexible modular concept to meet your exact requirements
- Stacking Petri dishes from top to bottom – no deforming through weight when parts are still warm
- Small footprint: typically 3 x 6 m for 8 + 8 system including automatic bagging
- Suitable for clean room environment

When manufacturing Petri dishes, one has to observe certain criteria to have success. Cleanliness of the product is a must and speaks for itself. But flatness of the bottom and scratch free surfaces or other damage become increasingly important due to ever growing quality demands for excellent diagnosis results. When high production volumes are combined with the requirement for production without human interference, one can only conclude that Petri dishes have to be manufactured with a sophisticated automatic production system.

With more than 15 years of experience in Petri dish automation, **HEKUMA** has proven that all those requirements can be fulfilled while still providing leading edge quality Petri dishes when using our highly reliable automation systems.

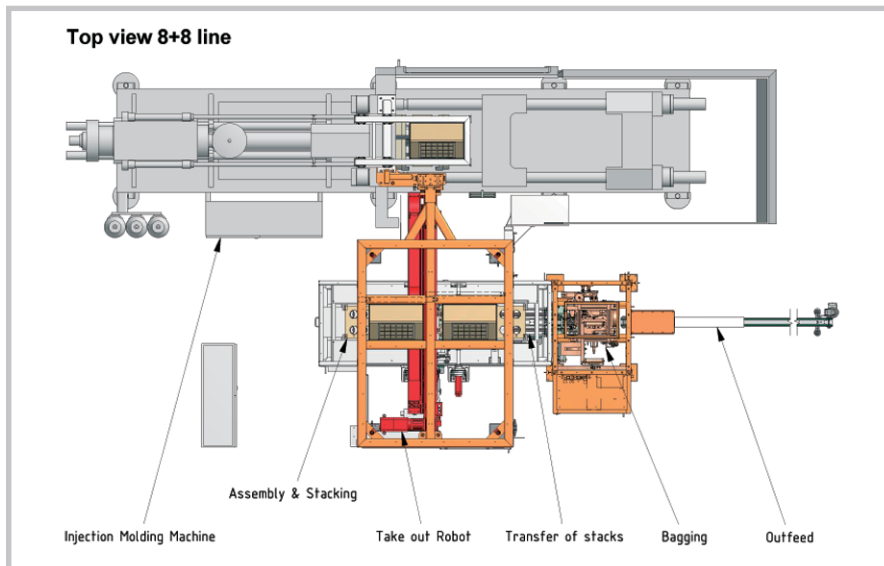
**HEKUMA** Petri dish systems have a modular and standardized setup – from 2 + 2 to 16 + 16 cavity stack mold. Whether you require manual or automated packing, corona treatment or a full clean room package – **HEKUMA** standard Petri dish systems can be configured to your exact requirements.



By using exchange sets, the handling of different product designs in one machine is easily possible. Changing to a new product takes less time than the changing of the mold.

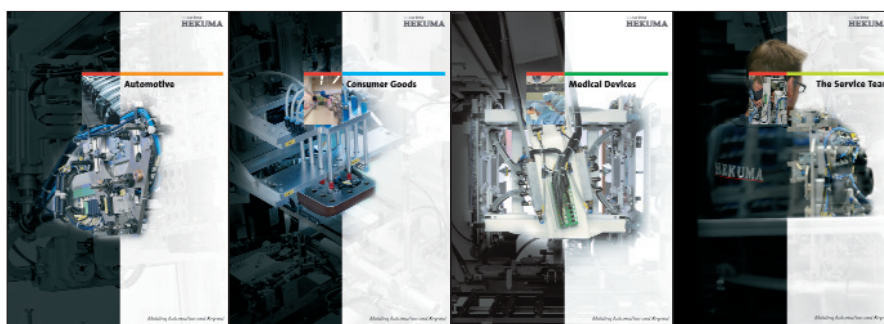
We also supply Petri dish systems outside of our standard product range. If you have very small or extremely large Petri dishes or even if you want to produce square products, our engineers will design an automation system specifically for the product – always based on the well proven standard modules.

With uptime performance of up to 98 %, **HEKUMA** automation systems have proven their reliability with most major manufacturers of Petri dishes. For small volume manufacturing with a single face 1 + 1 or 2 + 2 cavity mold we offer our HekuCell solution.



## Configuration possibilities for standard systems

- 2+2, 4+4, 6+6, 8+6, 12+12, 16+16 cavity stack mold
- Petri dish diameter: 50 mm to 100 mm
- Stacking height: 70 mm to 500 mm
- Fully automated takeout and assembly module
- Manual or automatic packing station
- Boxing or second protection bag



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HEKUMA, member of the elexis group, is specialized in molding automation systems for the plastics industry. HEKUMA develops, designs, manufactures and assembles complete automation systems, including high-speed linear take-out robots, 6-axis robots, up- and downstream automation, quality testing and offers full system integration of injection molding machines, molds, and automation systems. The company was founded in 1974 and is located in Eching close to Munich, Germany.

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