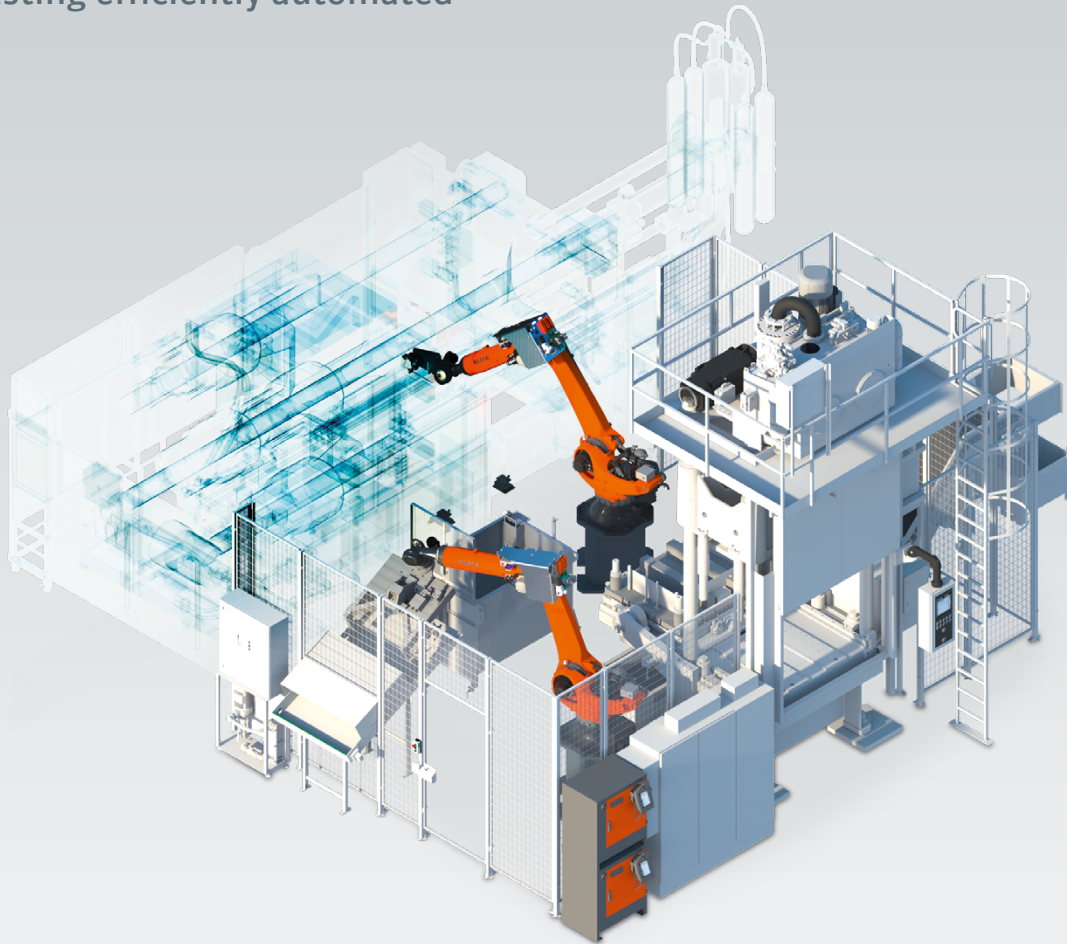


cell4_production manufacturing cells
_die-casting efficiently automated



KUKA cell4_die-casting _the modular system for automated die-casting

KUKA die-casting cells are operational in next to no time thanks to perfectly coordinated modules. Available in a wide range of variants that can be freely combined, the cells can be adapted flexibly to all tasks in the field of die-casting – from unloading the die-casting machine to cooling and deburring the workpieces. For utmost efficiency at every step.

Highlights cell4_die-casting

- Integrated, modular cell concept, dimensioned according to the size of the die-casting machine
- Extensive range of components
- Broad application spectrum with many preconfigured variants
- Ready-made modules for short implementation times
- High cycle performance through the use of high-performance industrial robots
- Access to KUKA Xpert – the digital knowledge database for all KUKA products

KUKA | Xpert

- Ready for IIoT and remote services



KUKA cloud applications

KUKA cell4_die-casting

_modular cell concept for custom-tailored automation in the die-casting industry

With cell4_die-casting, KUKA delivers everything from a single source: perfectly coordinated components, defined interfaces and tried-and-tested processes. Preconfigured and immediately ready for direct commissioning in your production environment. The fully-automated cell can be equipped with various different modules, as well as hardware and software options, providing a custom-tailored solution for your production facility. **Optimally integrated with comprehensive support from our experts throughout – from planning through to servicing.**

Service

- Increased productivity and minimized downtime
 - 24/7 hotline
 - Global spare parts and service support
 - Remote Service
 - Service agreements and maintenance
 - Role-specific training courses
- Services for maintaining optimal performance throughout the entire life cycle of the machine

Planning

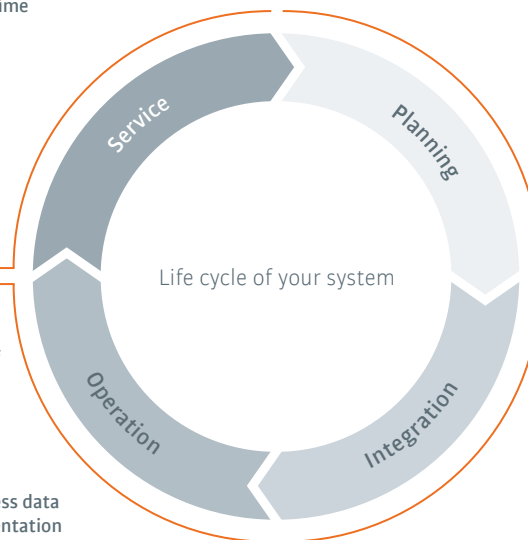
- KUKA supports you in the planning phase
- Fast feasibility studies with KUKA.Sim
- Flexible financing models
- Short delivery times
- Modular structure enables adaptation to your production requirements

Operation

- High system availability thanks to the use of service-proven components
- Future-oriented KUKA.Web HMI for clear visualization and operator control
- Web access to operating data with freely configurable dashboards
- Quality assurance by means of flexible process data monitoring and component-specific documentation

Integration and commissioning

- Short installation times at the customer's site
- Simple integration of fixtures and other system components
- Simple programming with KUKA technology packages and ready2_pilot
- Offline programming with KUKA.Sim



Variants

cell4_die-casting 08

cell4_die-casting 10

cell4_die-casting 13

cell4_die-casting 16

cell4_die-casting 19

cell4_die-casting 22

	cell4_die-casting 08	cell4_die-casting 10	cell4_die-casting 13	cell4_die-casting 16	cell4_die-casting 19	cell4_die-casting 22
Preferred robot configuration	KR IONTEC (KR 50 R2500 F)	KR IONTEC (KR 50 R2500 F)	KR IONTEC (KR 50 R2500 F)	KR QUANTEC (KR 120 R3100 F)	KR QUANTEC (KR 120 R3100 F)	KR QUANTEC (KR 120 R3100 F)
Gripper	Gripper M	Gripper M	Gripper M	Gripper L	Gripper XL	Gripper XL
Trim press	SEP08-05	SEP10-07	SEP13-07 SEP13-10	SEP16-10 and SEP16-10 SKT	SEP19-12	SEP22-12 and SEP22-12 SKT
Part unloading	Trim press	Trim press	Trim press / robot	Trim press / robot	Robot	Robot
Quench tank	TKB M	TKB M	TKB M	TKB L	TKB XL	TKB XL
Part marking	Needle / laser signing unit	Needle / laser signing unit	Needle / laser signing unit	Needle / laser signing unit	Needle / laser signing unit	Needle / laser signing unit
Offloading	Offloading chute S	Offloading chute S	Offloading chute M	Offloading chute L	Offloading chute XL	Offloading chute XL
Part sensor	Part sensor S	Part sensor S	Part sensor S	Part sensor L	Part sensor L	Part sensor L
Disposal of trimmed material	Trimmed burr box S	Trimmed burr box M	Trimmed burr box L	Burr conveyor	Burr conveyor	Burr conveyor

All modules are available in a range of different variants that can be combined.

Our range of die-casting cells offers cell controllers, air cooling racks, systems for inserts, part-specific grippers, protective enclosures and many more products resulting from our years of experience. Customer-specific designs are possible on request.

Foundry robots:

Robots specially designed for demanding ambient conditions. Protection rating IP67, extended temperature range, state-of-the-art robot controllers, including safe robot ranges.

www.kuka.com/contacts

Details provided about the properties and usability of the products are purely for information purposes and do not constitute a guarantee of these characteristics. The extent of goods delivered is determined by the subject matter of the specific contract. No liability accepted for errors or omissions. Subject to technical alterations. © 2020 KUKA

