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

• 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

• 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**

<table>
<thead>
<tr>
<th>Variant</th>
<th>Preferred robot configuration</th>
<th>Gripper</th>
<th>Trim press</th>
<th>Part unloading</th>
<th>Quench tank</th>
<th>Part marking</th>
<th>Offloading</th>
<th>Part sensor</th>
<th>Disposal of trimmed material</th>
</tr>
</thead>
<tbody>
<tr>
<td>cell4_die-casting 08</td>
<td>KR IONTEC (KR 50 R2500 F)</td>
<td>Gripper M</td>
<td>SEP08-05</td>
<td>Trim press</td>
<td>TKB M</td>
<td>Needle / laser signing unit</td>
<td>Offloading chute S</td>
<td>Part sensor S</td>
<td>Trimmed burr box S</td>
</tr>
<tr>
<td>cell4_die-casting 22</td>
<td>KR QUANTEC (KR 120 R3100 F)</td>
<td>Gripper XL</td>
<td>SEP22-12 and SEP22-12 SKT</td>
<td>Robot</td>
<td>TKB XL</td>
<td>Needle / laser signing unit</td>
<td>Offloading chute XL</td>
<td>Part sensor L</td>
<td>Burr conveyor</td>
</tr>
</tbody>
</table>

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

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