KUKA cell4_screwsetting compact
—the compact cell for flexible, fully-automated screwsetting

KUKA manufacturing cells for screwsetting are quickly available and can be custom-configured very easily with a range of versatile, modular standard packages and options. Centering, inserting, tightening, checking, documenting. KUKA cell4_screwsetting compact masters the entire process chain of industrial screwsetting in next to no time. For utmost manufacturing efficiency, compact solution in confined spaces.

Highlights

- Compact, portable cell on a base frame
- Broad application spectrum with many preconfigured variants
- Optimized for maximum output
- Assured quality with integrated monitoring of process parameters
- Access to KUKA Xpert – the digital knowledge database for all KUKA products

- Ready for IIoT and remote services
KUKA cell4_screwsetting compact
_process-reliable industrial screwsetting for flexible material combinations

With cell4_screwsetting compact, KUKA delivers everything from a single source: perfectly coordinated components, defined interfaces and tried-and-tested processes. Preconfigured for immediate commissioning in your individual production environment. The fully-automated assembly cell provides an extremely fast and cost-effective solution for the non-positive screw fastening of components. **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
  - 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

**Standard configuration**

<table>
<thead>
<tr>
<th>cell4_screwsetting compact single KR</th>
<th>cell4_screwsetting compact KP1M single KR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length</td>
<td>3,330 mm</td>
</tr>
<tr>
<td>Width</td>
<td>2,200 mm</td>
</tr>
<tr>
<td>Height</td>
<td>2,560 mm</td>
</tr>
<tr>
<td>Positioner</td>
<td>–</td>
</tr>
<tr>
<td>Screwdriving unit</td>
<td>Electric screwdriver 12 Nm</td>
</tr>
<tr>
<td>Loading area</td>
<td>Prepared for conveyor belt</td>
</tr>
</tbody>
</table>

Various option packages can be selected, depending on the specific requirements on the screw-fastening application:

- Predefined screw-fastening equipment packages, including screw feeder
  - STÖGER screwdriving unit, type SER 2501,
  - Screw type M5x20 ISR Torx (ISO 14583)
- Camera for monitoring/correction of the screw position on the component
  - mounted on the robot
  - stationary mounting in the cell
- Advanced KUKA application software packages:
  - KUKA.ProcessScreen
  (for monitoring and documentation of process parameters)
- Operator control and visualization with KUKA Advanced HMI
- Customer-specific designs on request