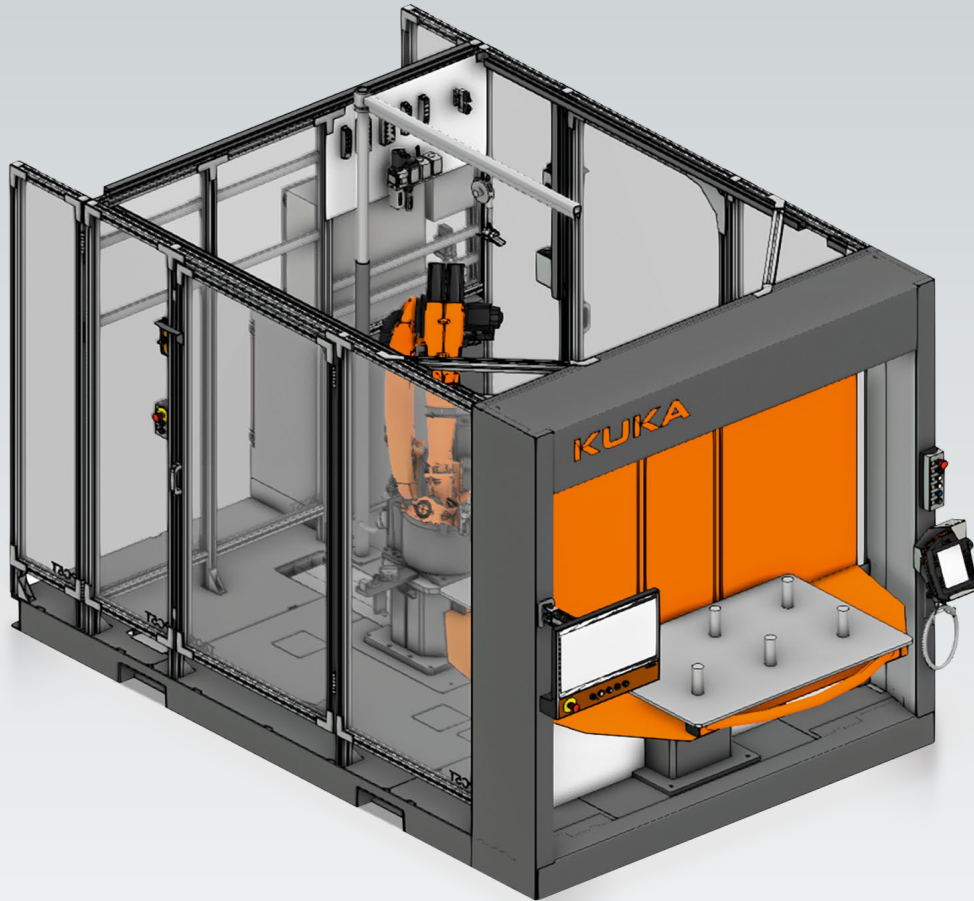




cell4_production manufacturing cells
_ultrasonic welding efficiently automated



KUKA cell4_uswelding compact _the compact joining solution for thermoplastics

KUKA ultrasonic welding cells are quickly available and can be custom-configured with a range of versatile, modular standard packages and options. They shine out wherever high-quality weld seams are to be produced quickly with precise repeatability. KUKA cell4_uswelding compact was created for the compact implementation of industrial ultrasonic welding applications in confined spaces.

Highlights cell4_uswelding compact

- 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

KUKA | Xpert

- Ready for IIoT and remote services



KUKA cloud applications

KUKA cell4_uswelding compact

_flexible ultrasonic welding cell for utmost efficiency in confined spaces

With cell4_uswelding 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 cell provides an extremely fast and cost-effective solution for high-quality weld seams when joining thermoplastic 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
 - Role-specific training courses
- Services for maintaining optimal performance throughout the entire life cycle of the machine

Planning

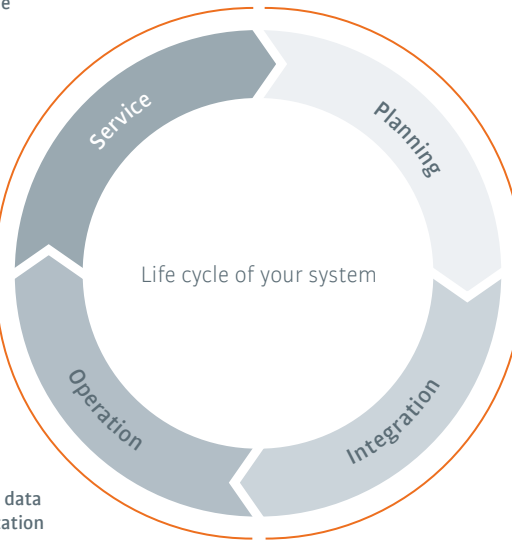
- KUKA supports you in the planning phase
- Fast feasibility studies with KUKA.Sim
- Flexible financing models
- Short delivery times
- Modular structure enables adaptation to your production requirements

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



Standard configuration

cell4_uswelding compact KP1M single KR cell4_uswelding compact KP1A single KR cell4_uswelding compact KP1A single KR

Length	3,860 mm	5,280 mm	4,800 mm
Width	2,200 mm	2,200 mm	2,200 mm
Height	2,560 mm	2,560 mm	2,560 mm
Robot	KR CYBERTECH (KR 20 R1810)	KR CYBERTECH (KR 20 R1810)	KR CYBERTECH (KR 20 R1810)
Positioner	KP1-V2T250M	KP1-V2T250A	KP1-V2T250A
Ultrasonic welding unit	Branson or Rinco equipment	Branson or Rinco equipment	Branson or Rinco equipment
Loading area	–	Light barrier with point-of-operation guarding	Roll door with point-of-operation guarding

Various option packages can be selected, depending on the specific requirements on the welding applications:

- Predefined ultrasonic welding equipment packages including Sonotrode Ø 12 mm
 - Branson 30 kHz
 - Rinco 35 kHz
- Loading area with roll door
- 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



www.kuka.com/contacts

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