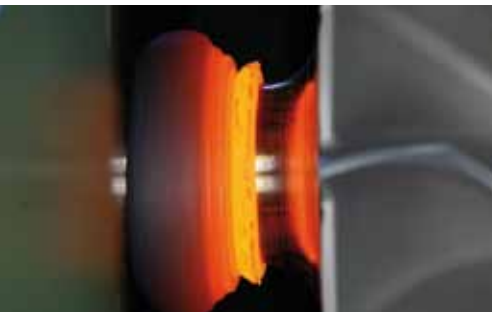


## Technology Services Process Validation – Prototyping – Contract Manufacturing

As a manufacturer of flexible production cells for various processes, we provide support with the development and production of components and assemblies. We use our in-depth understanding of processes, accompanied and supported by testing, to choose the most appropriate process for your application from a technological and economical point of view. As a certified welding company in the area of contract manufacturing, quality testing and quality assurance measures are a matter of course with us.



Would you like to learn more about Technology Services at KUKA Systems? Please contact us at phone +49 821 797-1010 or send us an e-mail at [technologyservices@kuka.de](mailto:technologyservices@kuka.de)

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 KUKA Systems

**Technology Services**  
Process Validation – Prototyping –  
Contract Manufacturing



Magnetarc welding



Arc welding



Laser processing



Friction welding

## Process validation

Process validation by KUKA Systems means:

- Component testing and optimization
- Process- and production-compatible component design
- Selection of the appropriate cutting or joining process
- Determination of process parameters
- Cutting and joining tests

For us it is important to support you as early as possible in component and process development. With our many years of experience with various manufacturing processes, we can assist you in selecting the ideal cutting or joining process for your component.

## Prototyping

Demonstrators and prototypes are important milestones in the development of new products. They allow the design to be checked and revised and are key in finalizing your products for the production process.

In demonstrator and prototyping we offer you:

- Process validation
- Component optimization
- Prototype production
- Quality inspection
- Production-ready products

All parameters are evaluated and optimized – so production can begin either at your location or ours.



## Contract manufacturing

From prototype to series production. From a batch size of "1" onwards, we offer quality-controlled contract manufacturing of your component. Here you can make use of our wide range of production machinery:

- Flexible robotic manufacturing cells for laser processing with up to 8 kW laser power
- KUKA flexibleCUBE arc welding cells with KUKA wire feed systems and KUKA Arctec
- Friction welding machines (forge force of 1 to 300 t) for cross-sections of 3 to 31,400 mm<sup>2</sup>
- Magnetarc welding machines (forge force of 3 to 35 t) for cross-sections of 60 to 4,000 mm<sup>2</sup>