



SHIFTING THE LIMITS

## REFERENCE

### TPS/i ROBOTICS POWER SOURCE, MAGNETIC CRASHBOX

Doka Group, Germany

## OPTIMISING PRODUCTIVITY WITH WELDING TECHNOLOGY FROM FRONIUS

The Doka Group is a world leader in formwork technology and operates more than 160 sales and logistics sites in more than 70 countries. For more than 50 years, Doka has been producing high-quality formwork systems for the construction industry by establishing cutting-edge production processes and an independently certified quality management system along the entire production chain.



*"We first began using the TPS/i Robotics power sources from Fronius as a pilot customer, but the exceptional results we achieved meant we have stayed ever since,"*

Thomas Auer,  
master welder at Doka.

## REQUIREMENT

Welded components are rapidly growing in importance in the formwork industry. Choosing the appropriate welding technology is not only critical for the quality of the products and the performance of the company, but it can also deliver significant cost savings.

## SOLUTION

*"By turning to the latest welding technology from Fronius, we are making another leap forward in terms of system availability, welding speed, weld seam quality and flexibility,"*

Thomas Auer,  
master welder at Doka.

Doka has optimised its welding processes with technology from the Austrian innovation leader Fronius. By upgrading an existing robotic welding cell with a Fronius TPS/i Robotics power source, Doka has been able to boost productivity while enjoying even greater flexibility. System availability - including setup time - has risen from 90 to 94 percent. The innovative arc length stabiliser of the TPS/i Robotics in conjunction with the new PMC pulsed arc process increases welding speed by up to 10 percent. In order to ensure that any collisions do not damage the welding torch or cause long machine downtimes, Doka has fitted the magnetic Fronius CrashBox. In the event of a collision, this breaks the magnetic connection to the workpiece, protects against mechanical damage and also ensures high levels of machine availability.



/ Perfect Welding / Solar Energy / Perfect Charging

### **WE HAVE THREE DIVISIONS AND ONE PASSION: SHIFTING THE LIMITS OF POSSIBILITY.**

/ Whether welding technology, photovoltaics or battery charging technology – our goal is clearly defined: to be the innovation leader. With around 3,700 employees worldwide, we shift the limits of what's possible - our record of over 800 granted patents is testimony to this. While others progress step by step, we innovate in leaps and bounds. Just as we've always done. The responsible use of our resources forms the basis of our corporate policy.

Further information about all Fronius products and our global sales partners and representatives can be found at [www.fronius.com](http://www.fronius.com)

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