

VARIABLE PRODUCTION AND COST-EFFICIENT WELDING OF EVEN THE SMALLEST SERIES

PRODUCTIVE FROM DAY TWO ONWARDS WITH THE COBOT

Acquisition of the welding Cobot by Resch Maschinenbau GmbH was facilitated by a major order from a leading professional document management provider, too large to be completed without hiring additional welders, who are hard to find on the job market at this time or switching to automated welding technology. The Lorch welding Cobot now allows welding of workpieces from a throat thickness a of three millimetres onwards automatically with the MIG/MAG process. The Cobot can fully play its advantages even at small quantities. The Lorch Cobot Welding Package offers clear advantages in welding as well as by adding variability throughout the production process. Once a welding project has been programmed, repeat parts can be added to the production sequence at short notice at any time.

OVERVIEW

RESCH MASCHINENBAU GMBH

- Töging am Inn, Germany
- 165 employees
- Contract production
- www.resch-maschinenbau.de



Perfect introduction: Productive welding with the Lorch Cobot started on the second day already. From left: Thomas Lehmail, supervises the project on site as a Lorch partner, Torben Bruhn, master metalworker and customer coordinator and Georg Ingerl, precision mechanic at Resch Maschinenbau.



Cobots – fast and flexible: The welding Cobots pay off for Resch starting at a quantity of 4-5 workpieces.

Less distortion and significantly less rework

TWIMPULS XT AS THE DECISIVE PROCESS FOR THE CHANGEOVER

A traditional robot was also considered for the system. However, not only were the investment costs for a Lorch Cobot significantly lower, but so was the programming effort. The Cobot also can be set up easily at any workplace since no separate safety enclosure is required. Resch Maschinenbau is currently trying to convert various TIG projects to the MIG/MAG process. Resch Maschinenbau still has to convince its customers of this, as they often want to stick to the TIG welding process for traditional reasons. Lorch offers the decisive proced-

ure for the changeover with the TwinPuls XT welding process. The welding process controls the heating and cooling phases separately in a targeted manner, ensuring a significantly lower and more targeted heat input into the workpiece, and as a result much less distortion and significantly lower rework needs, rendering welding much faster and more efficient.



"The Lorch Cobot has exceeded our expectations by far. The new welding station has significantly strengthened our business position."

– Kurt Frank, technical manager

FACTS

- Short set-up times and little space required
- Simple programming and high flexibility of use
- Enormous reduction in production time
- Relieves welders of tiring repetitive tasks
- Fast amortisation of the investment
- Competent and always accessible contact persons on site
- Consistently high quality of welds
- Hardly any reworking and few rejects
- Fast amortisation of the investment

