

***TECHNICAL CONSULTING***

***WELDING COMPONENTS***

***SYSTEM SOLUTION***

***SERVICES***

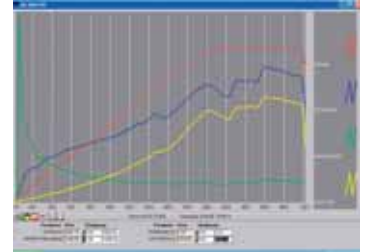


Resistance Welding Engineering

Globalization of markets and increasing individualization of demands require fast application of new technologies and reduction of the time period from product development to massproduction. For any company-internal Engineering Team a challenging task, which can often only be solved by using of external ressources.

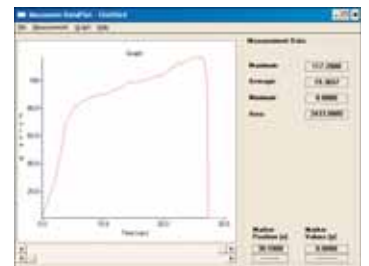
We offer you in the area of the resistance welding engineering the technical comptence and the flexibility, which you have to expect from an external partner. Our focus are the customer-oriented design and implementation of a total solution in the area of:

- Microwelding
- Insulated wire welding ( Hot – Staking )
- Thermocompression welding
- Resistance soldering
- Compacting



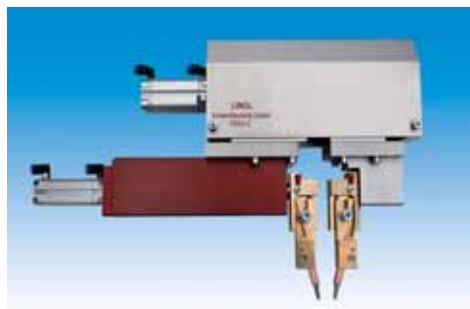
Based on our long experience we are able to manage tasks related to resistance welding engineering in a optimal and comprehensive way. We afford you a service offering for the economic production of high-quality products:

- Carry out first welding tests
- Manufacture parts of small series
- Technical consultation at stages of development
- Support at the commissioning of machines



The base of an efficient and reliable manufacturing concept is the choice of the right mechanics. Our range of products:

- Pneumatic welding heads
- Welding heads with motor-driven system
- Gap and step welding heads
- Floating or centric closing welding gun
- Lifting unit
- Special electrodes and devices for insulated wire welding and thermocompression welding



With MATUSCHEK Messtechnik GmbH we have a cooperation which supplies the most modern welding control technique since 1985. Their in-house engineering team and their deliveries to well known industrial users guarantee the ongoing enhancement of hard- and softwaresystems.

Among other things the correct selection of the control- and the measurement-technique are determining factors for the quality of the welded joint. Based on preliminary analyses, we can offer you:

- 20 kHz – High-Frequency Inverter Technique up to 65 kA
- 1 kHz – Medium-Frequency Inverter Technique up to 28 kA
- Universal remote control with plug-in connection to the weld power supply
- Mobile measuring instrument systems
- Force- and displacement systems
- Software for the connecting link between production, quality control and process engineering
- Welding quality assurance Software



Flexibility with respect to high quantities and product variants is often an important factor for the specification of the manufacturing concept. This can be often only ensured by the use of manual working station. We offer user specific complete solutions in this area:

- Simple manual working station
- Semi automated manual working station with pneumatic or manual sliding devices
- Part automated manual working station with pneumatic rotating device
- Manual working station according to ESD (Electro Static Discharge)



**Technical professional  
competence -  
this is our base.**

**LINGL** Schweißtechnik GmbH



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