

LET'S START!

Our team is looking forward
to your nonbinding request

Quality Management
ISO 9001

www.dekra-seal.com



WALO - TL GMBH

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WALO - TL GMBH

MECHATRONICS // LIGHTING TECHNOLOGY // OPTICAL FIBER TECHNOLOGY

walo-tl.de

Your Partner in Machine and Equipment Engineering



MECHANICS // MECHATRONICS // OPTOELECTRONICS

Individual Solutions for your Mechatronics Project

We develop individualized mechatronics solutions for mechanical, electromechanical and optoelectronic parts, products and equipment according to the requirements of our customers. We cover the entire range of the value-added chain, from development, production, assembly, quality management, logistics as well as after-sales services.

MECHATRONICS SOLUTIONS FROM A SINGLE SOURCE

- Development: R&D project management / product design / product development
- Design of products
- Production from prototype to the series
- Optimization of product and sourcing costs
- Quality inspection
- Assembly, electronics assembly, wiring, functional checks
- Logistics / delivery, service and repair
- Technical documentation

FOR REALIZING MECHATRONICS PRODUCTS, WE USE THE FOLLOWING TECHNOLOGIES:

| | | | | |
|-------------------------------------------------------|-------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|-----------------------------------|
| CHIPPING / MACHINING: | Milling Turning Drilling Sawing and pre-cut Shaping, flat shaping | Laser cutting of steel up to 20 mm Plasma cutting of steel up to 40 mm Gas cutting / flame cutting of steel up to 150 mm | Flat grinding Circular grinding | Wire eroding Die sinking |
| MOLDING TECHNOLOGY: | For aluminum / steel | Sand casting | Injection molding (plastics) | Mold construction |
| SHEET METAL FORMING: | Punching Circular form bending Flattening and rolling | Bending, up to 8000 mm with forces between 50 and 800 t Pressure forming Pleats Extrusion | Deep-drawing Corner shaping (material thickness: 3 to 5 mm) | Forging |
| ASSEMBLING: | Spot welding | Welding | Soldering and brazing | Mechanical assembly |
| SURFACE ENGINEERING: | Varnishing Electroplating | Polishing Brushing Matting Anodization | Sandblasting Glass bead blasting | Powder coating Plastic coating |
| MODIFICATION OF MATERIALS CHARACTERISTICS: | Hardening | Tempering | Thermal-stress-relief tempering | |
| ELECTRONICS: | Soldering | Assembly of modules | Assembly of cables Wiring | |
| OPTICS: | Optical assembly | | | |
| QUALITY CONTROL: | 2D measuring microscope | Mechanical quality control | Electronic functional and quality testing | |

In Cooperation with

NEO/CRAFT

OLED LIGHTS // LED LIGHTS // LIGHTING TECHNOLOGY

OLED and LED applications

We design and develop OLED and LED applications for use in lighting technology. Our production ranges from prototypes to mass production. Examples are the OLED pendant lamp IRIS, the OLED lamps WALOSPRING and WALOSUMMER with curved, flexible and exchangeable OLED panels and the LED surface-mounted lamp MOVING LIGHT.

EXEMPLARY REQUIREMENTS WERE

- Development of a complete mechatronics concept
- “Hiding” the technical insides of a lamp in a small body
- Elegant ceiling suspension brackets, also for heavy lamps
- Handling of all logistics, especially development of suitable transport devices for fragile products

VISIT OUR OLED EXPERIENCE ROOM

Discover the future of OLED lamps! Undreamt-of possibilities open up thanks to OLED technology. Immerse yourself in the world of OLED lamps with panels by OLEDWorks. We are looking forward to your visit in Kaufering not far away from Munich.

For details, see walo-tl.de/en/lighting-technology

Member of



OPTICAL FIBER TECHNOLOGY FOR THE TELECOMMUNICATIONS INDUSTRY

Service, Calibration and Replacement Parts

We are your capable partner for optical-fiber products, accessories, replacement parts and services. We offer routine maintenance, calibration and repair of cleavers and splicers.

As an OEM partner for Corning Cable Systems, we manufacture and sell the original Corning Cleavers FBC-005, amongst others for PK-Clip applications, FBC-006 and FBC-012 as well as spare parts for Corning splice and cleaver equipment.

Furthermore, we manufacture modified cleavers tailored to specific customers' needs.



CORNING



OUR STRENGTH: SINGLE SOURCE SOLUTIONS FOR YOUR PRODUCT-LIFE-CYCLE

Development, Manufacturing, Assembly, Logistics, Quality Management and Service

Are you looking for an experienced supplier and partner who is able to convert your product ideas in the machine and equipment engineering fields into readily marketable products? We support you with product development, manufacturing, assembly, logistics and after-sales services.

QUALITY AND CERTIFICATION

We certainly have the DIN EN ISO 9001:2015 certificate. We impress with our commitment to quality, to delivery reliability and to cost optimization. Whether you are an established enterprise, an engineering office, a start-up or a project office, we will be there by your side as a well-established manufacturing partner.

For details, see walo-tl.de/en/about