



EDWANZ group



COMPETENT INNOVATIVE



COMPANY

SEDLBAUER AG in Grafenau and its wholly-owned subsidiary SEDLBAUER s.r.o. in Czech Cíčenice are with the companies **Deutronic Elektronik GmbH** in Adlkofen and **b-plus GmbH** in Deggendorf member of the **EDWANZ group**. Transfer of knowledge and technology between the company and the joint development of customized products guarantee fast, flexible innovative complete solutions of the highest quality.



There's no such thing as can't be done!

"There's no such thing as can't be done" - following this principle we aim to provide first-class, certified products and customer oriented services meeting the highest quality standards.

Creative employees, modern machining facilities and innovative products are the pillars of our company that evolves since 1899 in line with the requirements of our customers and new markets.

Our customers and partners throughout Europe appreciate our reliability and flexibility.

Responsibly, environmentally and sustainably do we win every challenge.

SEDLBAUER AG offers its employees modern workplaces in different fields in the industrial area Reismühle situated in the green.


They can develop their ideas freely in this environment. In addition, a considerate and responsible working climate offers the ideal preconditions for personal and professional development.

We are an IHK certificated training enterprise and welcome inquiries for administrative, mechanics, mechatronics and electronics areas

A company of the EDWANZ group

DEUTRONIC 
Elektronik GmbH EDWANZ group

 **SEDLBAUER**
EDWANZ group

 **b - plus**

Battery charging systems
Power supplies
Test and Control Systems
DC/DC converters
Customised solutions
Research centre Energy storage technology EMV laboratory

www.deutronic.com

Design, Development, Construction, Production:
Electromechanical Components
Customised machine and instrument production
E-mobility
Medical Technology
Power supplies
Inductive Components
Industry Services

www.sedlbauer.de

Automotive Electronics
Mobile Automation
Embedded Systems

www.b-plus.com

Chargers. Individual power diversity.

Competencies of SEDLBAUER AG are in the metal processing, electro mechanics and electronics areas.

These experiences are ideal conditions for the development of high-performance charging boxes and stations with different functions for the public, semi-public and private sectors.

SEDLBAUER AG produces AC chargers with an output power up to 22 kW (400 V, 32 A) in compliance with DIN standards including software for consumption data recording and accounting.

Apart from in-house developments and products we produce optimal B2B solutions in a series production for you.

The company owns the full value chain needed for it: Project engineering, Development, Construction, Production, Logistics and After Sales Service.



Charging stations/boxes for:

- public parking spaces (communities)
- semi-public spaces (e.g. hotels)
- car parks
- private sector (wall/garage)
- Mobile charging systems for whilst on the move
- cables, accessory



Our 22 kW Slimbox is one of the smallest charging boxes in the world. We conceive, plan and manufacture for public and private sectors!

We develop and design electromechanical systems

Sedlbauer AG develops and constructs in close collaboration with its customers electromechanical systems.

As a high-performance partner for the production of complex housings and devices we cover the entire service range of sheet metal processing and convince by a wide production depth.

Our up-to-date laser and stamping technique, our decade long experience in welding technology as well as various connection techniques round off the comprehensive range of offers.

Our own paint shop is for an individual surface coating available. Our core competencies also include a montage of simple components up to mechanical plants with the integration of modern electronics (ESD area & test field).

Our services:

- Project planning
- Design
- Development
- Construction
- Material management
- Production
- Montage
- Quality testing
- Logistics
- Service



Stainless steel housing for laboratory technology



Electromechanical system racks for IT technology



Housing for laboratory technology



Info / scoreboard for public transport, ticket machines (below)



Customer-specific Solutions

- Electromechanical assemblies
- Medical technology assemblies
- Customised power supplies
- Automatic machines (tickets, kiosks...)
- Terminals (presentations, greeting...)
- Display housing (tourism)

Safe is safe: Medical isolating transformers

Devices in hospitals, therapy and Reha centres, physicians' offices or diagnostic centres have to fulfil maximum safety requirements.

Medical isolating transformers of Sedlbauer AG comply always with the new medical standard and are perfectly suited for safe electricity supply of:

- medical and analytical equipment (stationary and mobile)
- medical, electrical devices or systems for therapy, OP, etc.
- IT equipment
- Video systems

Product properties:

- safe galvanic isolation between the patient environment and the electricity grid
- limiting of touch current to values below the limit values defined by the medical standard
- constant power supply also for sensitive medical equipment and systems
- low magnetic leakage field and an interference-resistant build
- compact form in an aesthetically functional design



polyMIT- isolating transformers Series 350 – 700 – 1000 – 1700



Trust

Manufacturers and medical retailers value our know-how and the certified range of services according to EN ISO 13485 and NRTL.



Medical isolating transformers MTT 600 and MTT 1000

Getting to the core of the matter: Copper networks around the world

The development and production of customised Polytronik® toroidal transformers with individual assembly for high-technology electronic applications is one of the core competences of Sedlbauer AG.

Areas of application:

Modern, powerful devices and system components for

- electronics
- audio/ HiFi technology
- medical technology
- communications engineering
- measurement technology
- lighting technology
- power supplies
- solar technology
- power-to-heat

Convincing:

Polytronik® toroidal transformers

- high performance with compact dimensions
- up to 50 percent lower weight compared with conventional transformers
- extremely low magnetic leakage
- efficiency of up to 98 percent
- optimised temperature performance



Signal lights of the railway also contain toroidal transformers from SEDLBAUER AG.



Sedlbauer AG developed customer-specific toroidal transformers for a customer's electric panel heating system.



SEDLBAUER AG's „polysun“ allows control of panel heating systems via PC or mobile app.



Polytronik®

is a registered trademark of
SEDLBAUER AG, certified
according to
DIN EN ISO 9001
EN ISO 13485



You have **THE** idea? We have **THE** solution!

A team of innovative developers and experienced designers develop functionally optimised and economic solutions for the product ideas of our customers.

The use of high-standard 3D-CAD software (Pro/ENGINEER®) and a modern PDM system guarantee a reliable management of engineering data including data exchange. Standardised documentation is a matter of course for our customers.

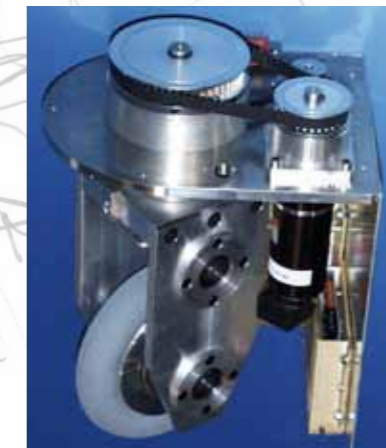
Our strengths lie in the field of processing sheet metal in particular regarding design and construction of housings and cabinets (e.g. ticket and park machines, info and kiosk systems as well as rack and cabinet systems for server centres). We offer innovative developments from single components up to complex systems.

We handle the complete development process in the area of electrical engineering from development of switching through board design up to the programming process. Our diversity of services is also demonstrated through customised interfaces and the use of Embedded-PCs, for example in automatic machines.

Our experienced engineers and technicians in areas of electrical and mechanical engineering work closely with colleges in the region. All developments are implemented in our company.

Electronic and mechanical development go effectively, cost and time-saving hand in hand.

We will gladly support students with their bachelor/master thesis! The wheel module shown below was developed as part of a bachelor thesis.



**Project planning
Development
Construction
Production
Commissioning
Service**





Certificates Approvals

DIN EN ISO 9001
EN ISO 13485
Welding according DIN EN 15085-2
AEO
ENEC
TÜV
UL
VDE

Manufacturing technologies Order processing

We will gladly support you at delivery shortages or enhance your capacities.

SEDLBAUER AG offers you its know-how and its machine capacity as well as its services.



Mechanical production

Laser cutting - CNC-punching-laser-“Combi” -
CNC-punching - Deburring - Straightening -
Trowalizing - CNC-Bending - Pressing -
Threading - Welding - Grinding -
Adhesive bonding - Washing - Surface treatment -
Screen printing - Electric installation
Quality Control
Shipment



Electronic manufacture in ESD protected areas

Production/logistics of electronic components
PCB assembly
Soldering
Cable assembly
Electrical installation
Quality control
Shipment



Transformer production

Production of toroidal cores
Toroidal core winding
Casting
Assembly
Montage
Quality control
Shipment



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Schäfer IT-Systems (IT rack, S.7)
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We thank our customers and partners for providing their product photos for the practical documentation of the variety of applications of our customised solutions.