



YOUR PARTNER FOR

Glass-to-Metal Seals Connector Pins & Stamping Lead-in-Wires



Dietze Group
we make connections

About us

Innovative by tradition

For decades, the names Bruno Dietze, Elbik and Eldur have been synonymous with wire technology and precision electronic components. Our history goes back to 1921, when Bruno Dietze founded a machine manufacturing company located in Coburg together with his partner Gustav Brückner. While the company focused on the production of lead-in-wires for lighting in the early years, new products for various industries have been introduced over time. Creative thinking, continuous development and constant improvement have been the key elements contributing to the company transforming into a world-class supplier.



ELDUR AG, Switzerland



Bruno Dietze GmbH & Co. KG, Germany



ELBIK GmbH, Germany



ELBIK Stanztechnik GmbH, Germany



ELDUR Corporation, USA



ELDUR Slovakia k. s, Slovakia

Today, the Dietze Group is a leading supplier for glass-to-metal seals, connector pins & stamping products as well as lead-in-wires. We operate six manufacturing locations in four different countries to serve our worldwide customer base. Our decentralized structure allows a direct and optimal communication between manufacturer, supplier and customer. We strive to provide our customers with responsive service and prompt, economical delivery to meet their development, production and delivery needs.

Our Products

Make the connection!



Glass-to-Metal Seals

Our Glass-to-Metal Seals provide electrical connections to components in hermetic packages even under extreme conditions.

Connector Pins and Stamping

Our high precision Connector Pins and Stamping Parts guarantee reliable electrical connections in demanding applications.

Lead-In-Wires

Lead-In-Wires provide the hermetic seal as well as the connection between the cathode or burner and the base in many types of light sources.

Equipped for the future since 1921

We are one of the few companies in the business that are designing, developing and building our own production equipment in-house. Our high-speed wire welding and forming machines are characterized by their outstanding precision and flexibility. Our precision furnace equipment guarantees a superior level of quality in glass-to-metal sealing.

Customer satisfaction is our first priority. We achieve this goal by providing a consistent high level of quality. The Dietze Group maintains a comprehensive quality management system which is certified according to ISO 9001. Serving as a major supplier to the automotive industry, our internal processes meet IATF 16949 standards.



As a family owned and run business, the Dietze Group has been serving the lighting and electronic industries for almost a century.



22:00 – Satellite starts to broadcast today's news
Satellites use fluid propulsion systems to correct their position as necessary over their lifespan. A hermetic sensor housing from the Dietze Group enables the pressure sensor onboard to monitor and control this critical system.

21:15 – Photo time after a superb dinner
Light fires up in a bright flash 1/500 of a second to illuminate the scene. The Dietze Group's lead-in-wires for hard-glass applications enable flash photography.

21:30 – Elevator departs from 32nd floor
The electronic control unit closing the sliding door relies on quality terminal pins to connect to relevant safety sensors. The Dietze Group's connector components are well known throughout the electronics industry.

17:50 – Gas meter communicates the latest usage statistics
Employing two of the Dietze Group's hermetic feedthroughs, the electronic gas meter measures natural gas usage and transmits the latest information to the gas utility company.

18:10 – Evasive maneuver puts the electronic stability program to its test
Today's automobiles feature a wide spectrum of electronic systems. The Dietze Group's connector lead frames featuring press-fit contacts guarantee reliable electrical connections to millions of vehicle systems.

17:25 – City street lights are turned on
HID light sources which include specialty lead-in-wires contribute to road safety at night. The Dietze Group's lead-in-wires are widely used and trusted in the lighting industry for decades.

OUR SOLUTIONS

**Interconnecting
our future, today!**

Glass-to-Metal Seals



Precision hermetic glass-to-metal seals

For sensors and other demanding applications

- Superior level of miniaturization due to high precision pin positioning
- Wide housing material selection available (e.g. Stainless steel, Titanium, Kovar ...)
- Ceramics in combination with glass-to-metal seals
- Wide temperature ranges up to -50 °C to 450 °C (matched seal)
- High pressure ranges up to 3000 bar (compression seal)
- Selective plating according to customer needs (Gold, Nickel, ...)
- Wire-bondable pin surfaces



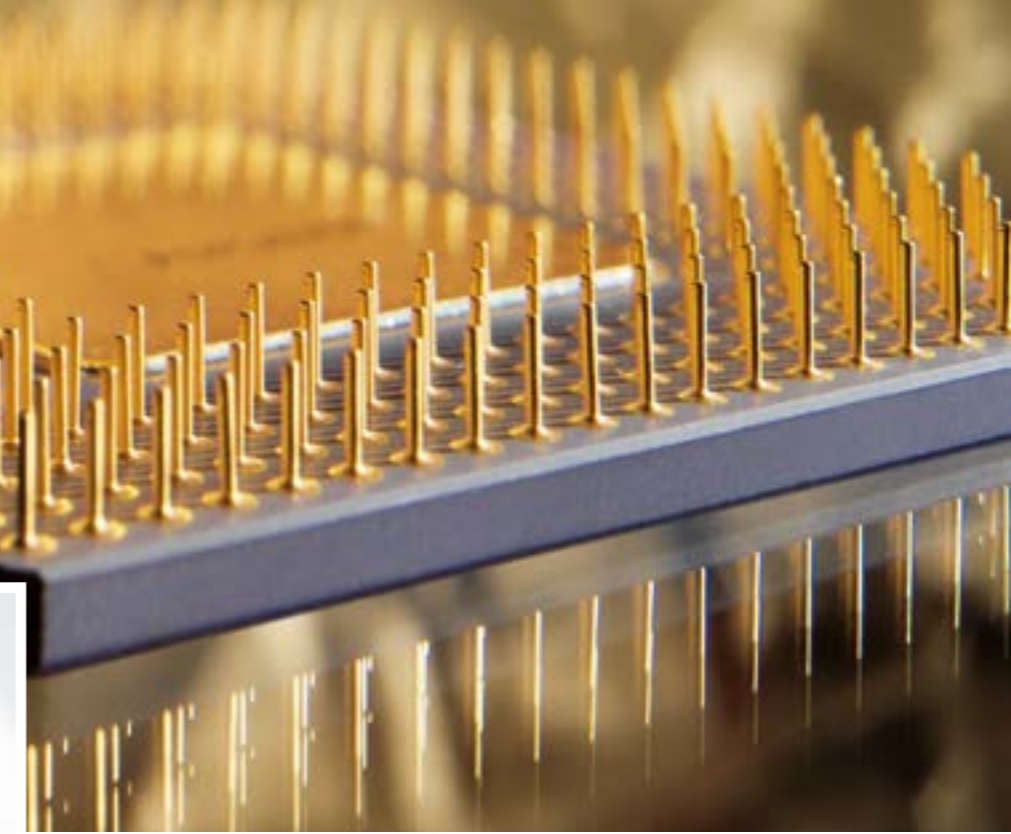
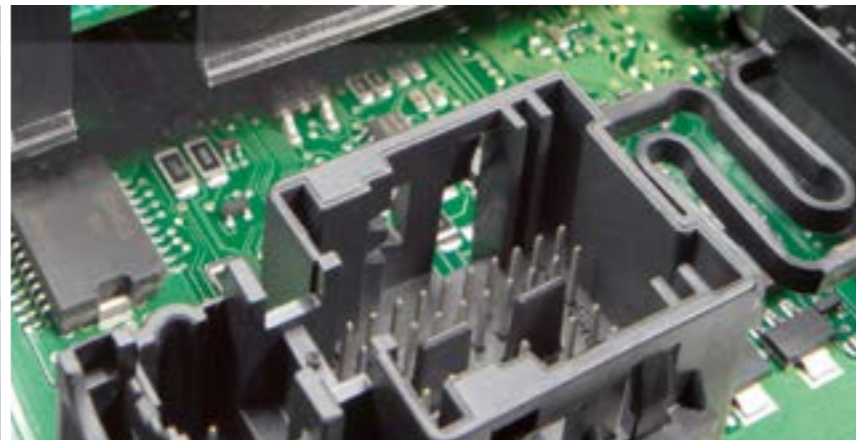
High power feedthroughs & sight glasses

Powering energy and harsh industry applications

- High-current feedthroughs with up to 300 Ampere capacity
- Terminal plates with geometries as large as 30 x 20 cm
- Hermetic sight glasses with various glass shapes
- Various surface treatment options (eg. for corrosion resistance)
- Low helium leakage rates
- Certified according to PED 97/23/EC and AD 2000



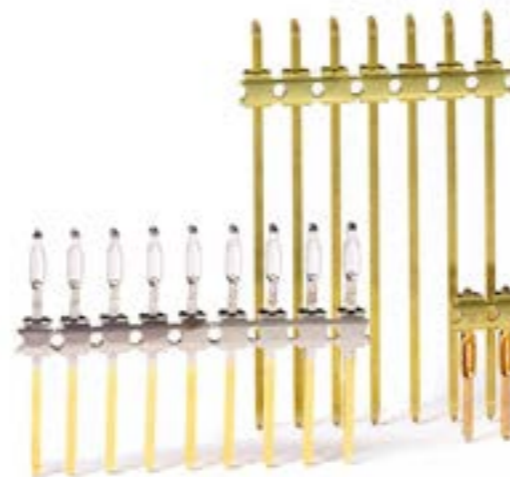
Connector Pins & Stamping



Precision contacts made of wire

Connecting millions of electronic systems worldwide

- Connector terminal pins based on round or square wire
- Straight and bent pin geometries available
- We process all custom contact materials
- Our pins are shaped either via thermal restriction or by stamping pyramidal ends
- Selective plating according to customer needs
- Our pins are supplied either loose, on a carrier belt or as continuous wire contacts (End-to-End Pins)
- **Elbik-X-Press®** patented flexible press-fit-pins for solder free assembly



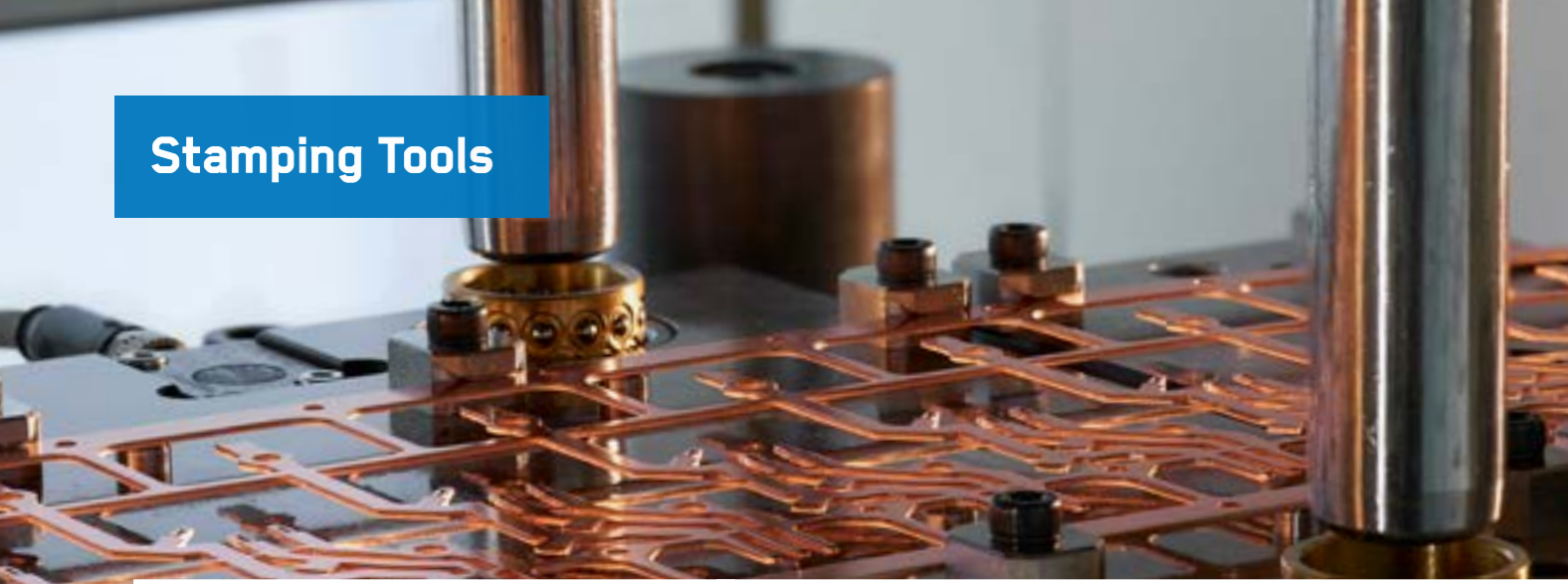
Stamped and hybrid connectors

Geometrical variety without limits

- Connector pins and interconnection lead frames based on sheet metal
- Complex part geometries with the highest precision
- Our parts can be supplied loose or in a lead frame
- 100% optical inspection
- Selective plating according to customer needs
- Cooperation with qualified partners in plastic molding for hybrid parts
- **EloPin®** patented press-fit-zone for solder free assembly of stamped connectors.



Stamping Tools



Stamping tools for precision connectors

From concept to series production

- High quality modular progressive die stamping tools
- In-house design and assembly of stamping tools
- Professional project support from the first idea to series production
- Precision components for stamping tools
- Wire-cut EDM, hard-milling and grinding capabilities



Lead-in-Wires



Electrical lead-in-wires

Powering many types of light sources

- 1-part headed pins and cut-wires
- 2-part, 3-part, 4-part and special purpose welded leads
- Extremely wide choice of wire materials
- For hard-glass and soft-glass applications
- Produced with in-house developed arc-welding technology and machinery



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