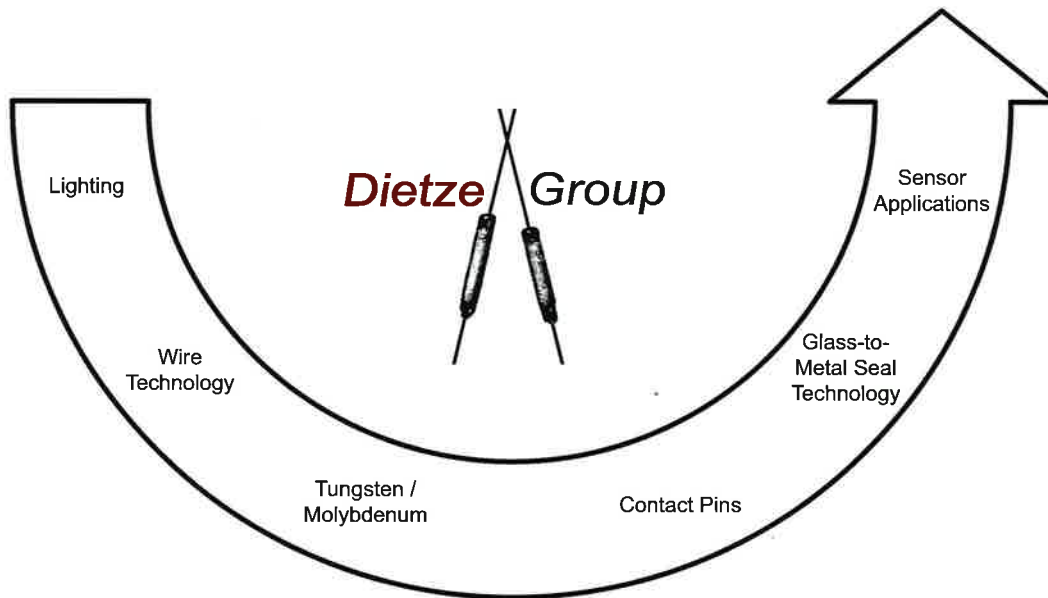


**Dietze Group**

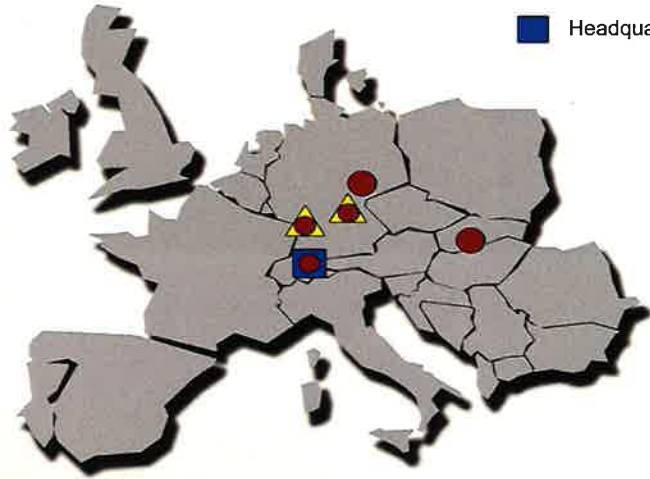


**DIETZE GROUP** established 1921  
 As a global operating family business, the Dietze Group develops and produces

- Innovative precision glass-to-metal seals for sensors and other applications
- Contact pins and patent-registered press-in-pins for electronic and automotive industry
- Tungsten and Molybdenum products with ground, polished, sandblasted and etched surfaces
- Welded lead-in wires for lighting and semiconductor industry



- Production
- ▲ Research & Development
- Headquarter



# Sensor Applications

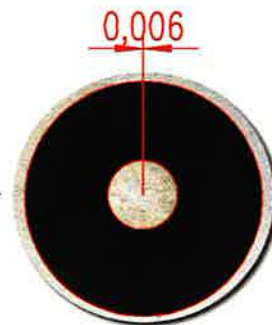
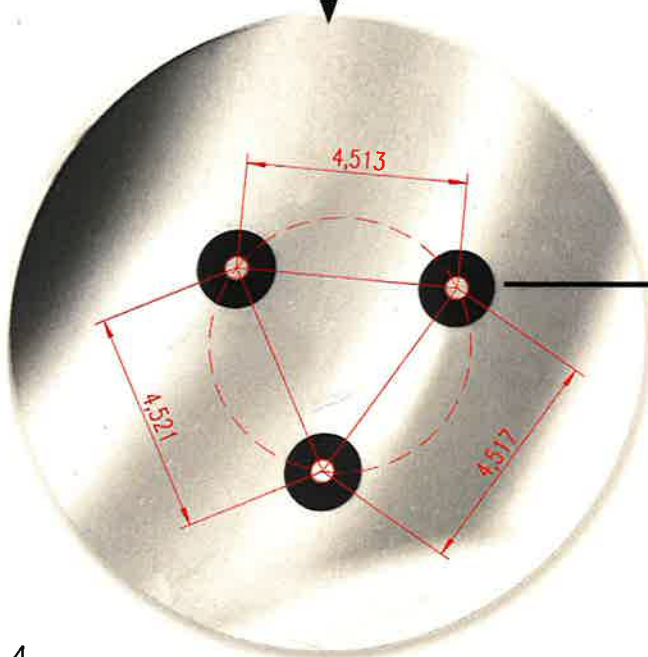
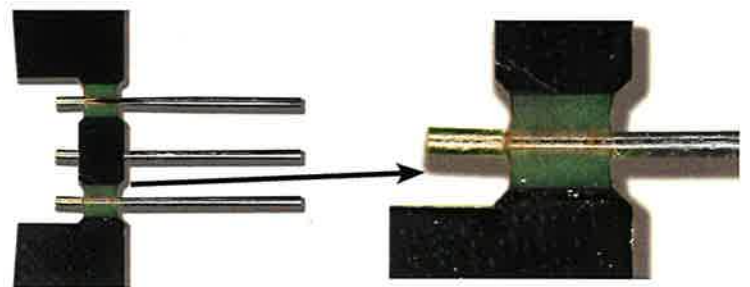


High precision hermetic glass-to-metal sealing solutions for sensor applications



Advantages of our high precision, concentric glass-to-metal sealing process:

- Superior level of miniaturization
- Higher burst strength is achieved due to the decreased glass sealing area
- More consistent insulation voltage rating





Development and production of a wide variety of electric feedthroughs made of glass and metal.

- Production of sintered glass preforms and metal components
- Design and fabrication of glass pressing tools
- Ground glass surface



# Glass-to-Metal Seal Technology



## Power Feedthroughs



- High current and insulation voltage rating
- High burst strength
- Low leakage rate (Helium leakage tested)
- Wide working temperature range



### Sight glasses for Optical fluid level sensors

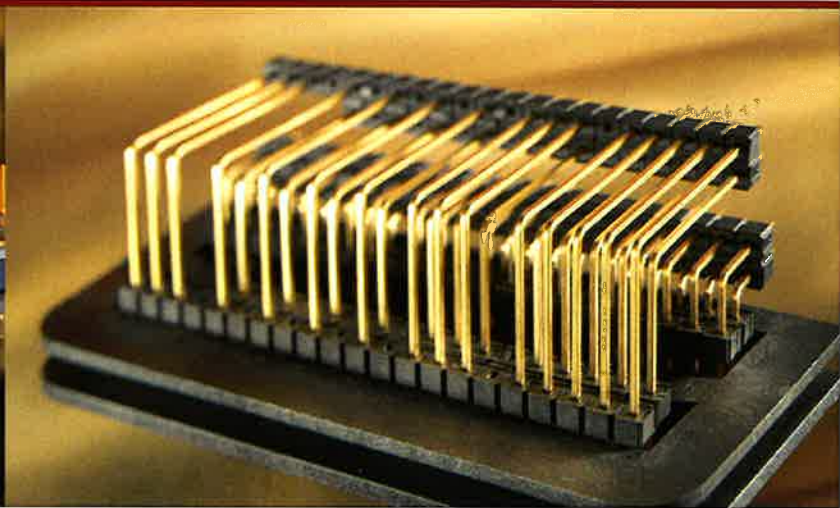
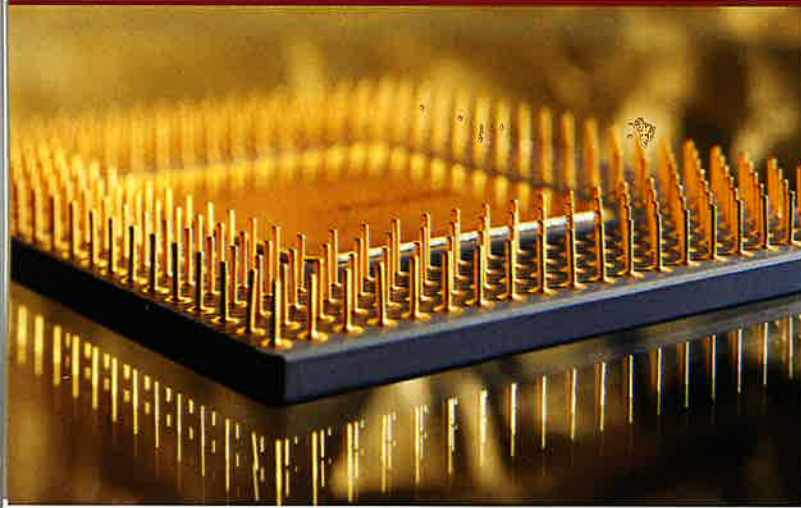


- Different types of stainless steels are available
- Many types of corrosion preventions according to standards or on customer request

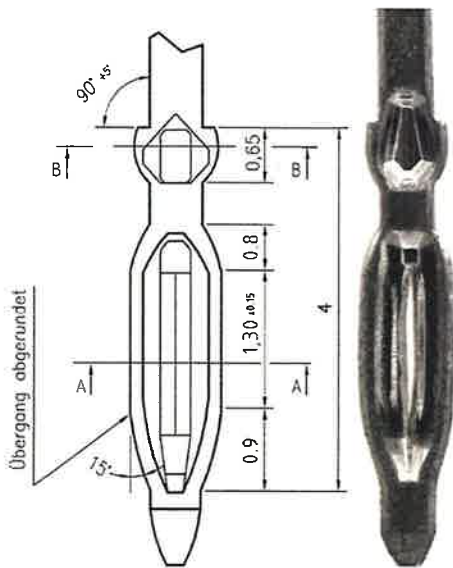
### Sight glasses



# Contact Pins



## ELBIK-x-press®

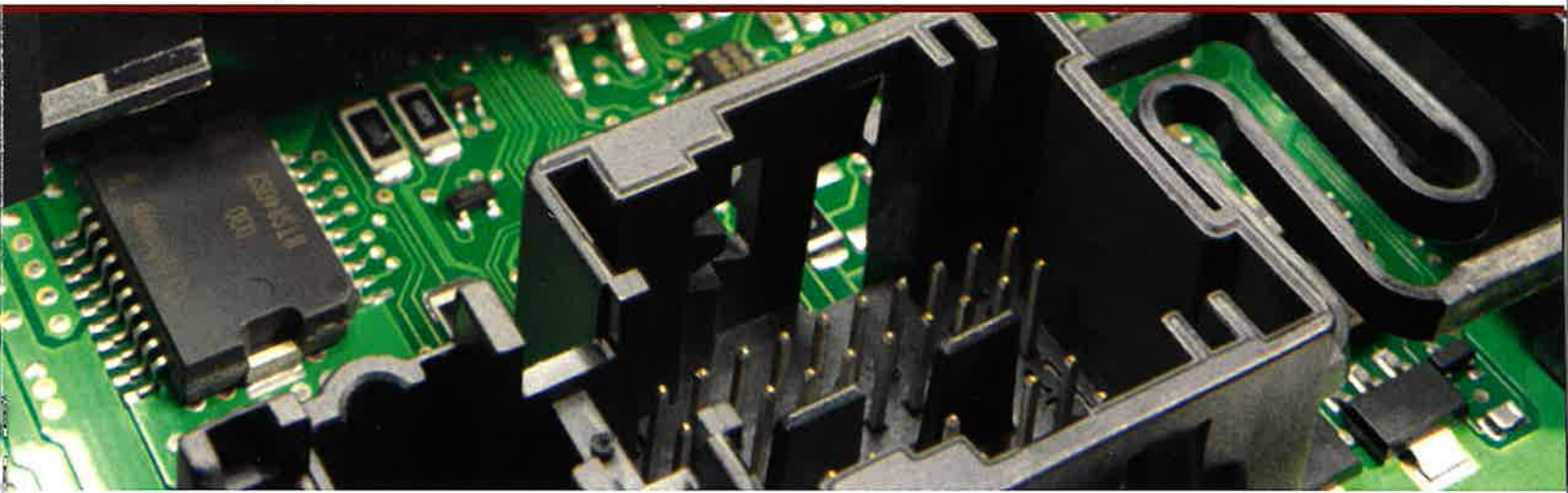


### Patent-registered Press-in-Pins

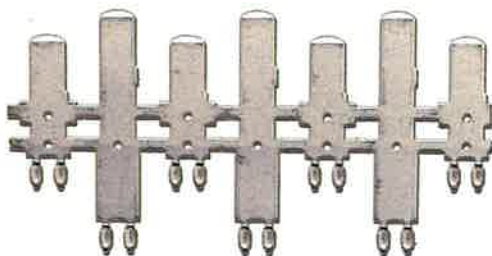
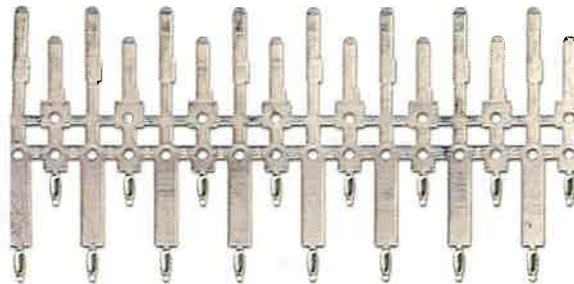
The Elbik x-press® meets the mechanical and electrical requirements of IEC 60352-5 after

- rapid change of temperature,
- cold, dry heat,
- damp heat,
- mixed flowing gas and vibration.

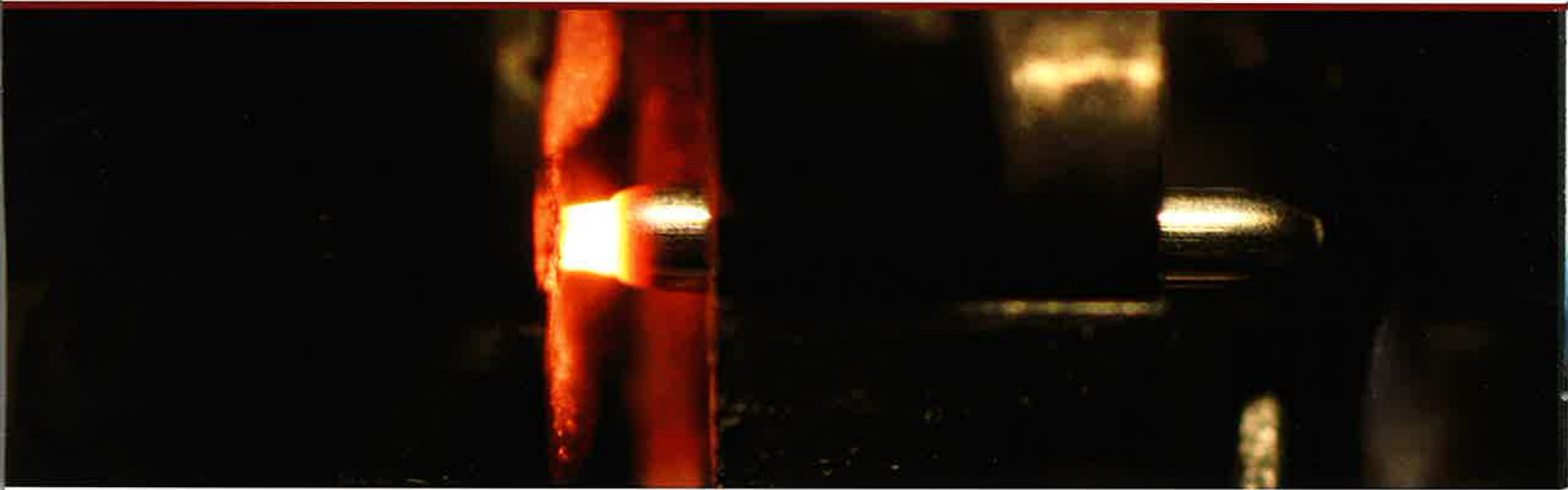




- Square Pins
- Perforated Endless Contacts
- Stamped shapes
  
- All standard contact pin materials
- W- or U-bandoliers



# Wire Technology



## Wire-Based Metal Forming

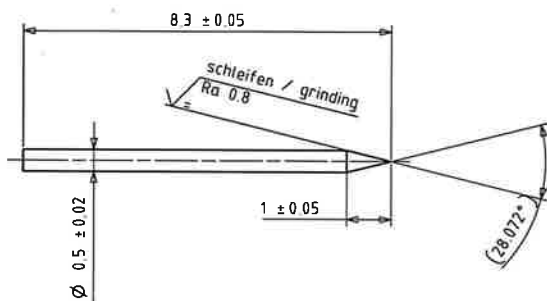
- Thermal Restriction
- Cold Metal Forming
- Headed Parts
- Precision surface of cut end for bonding



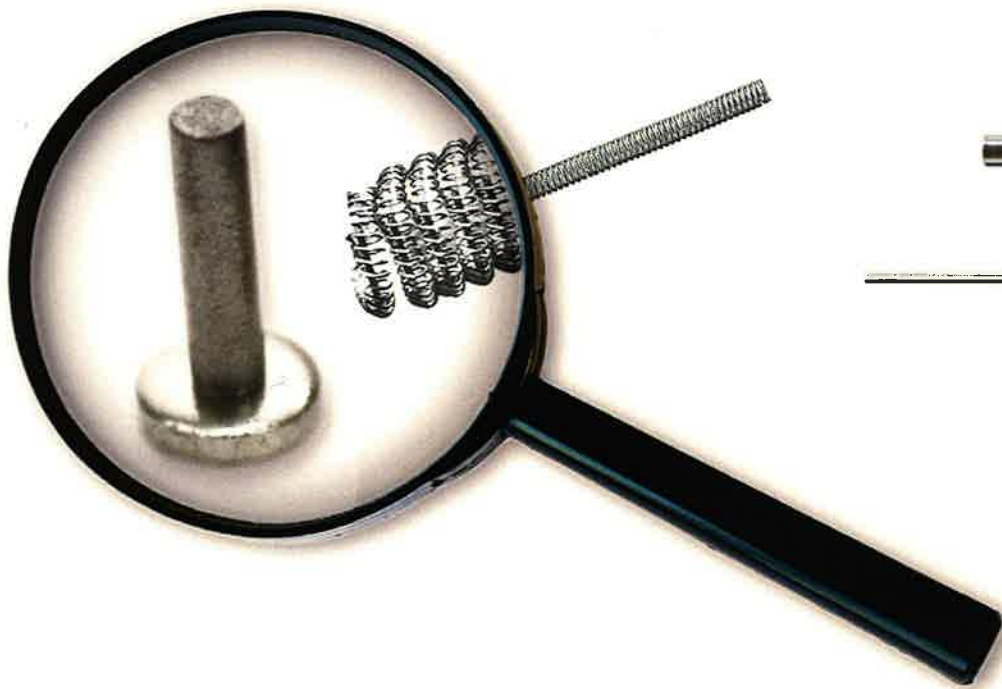
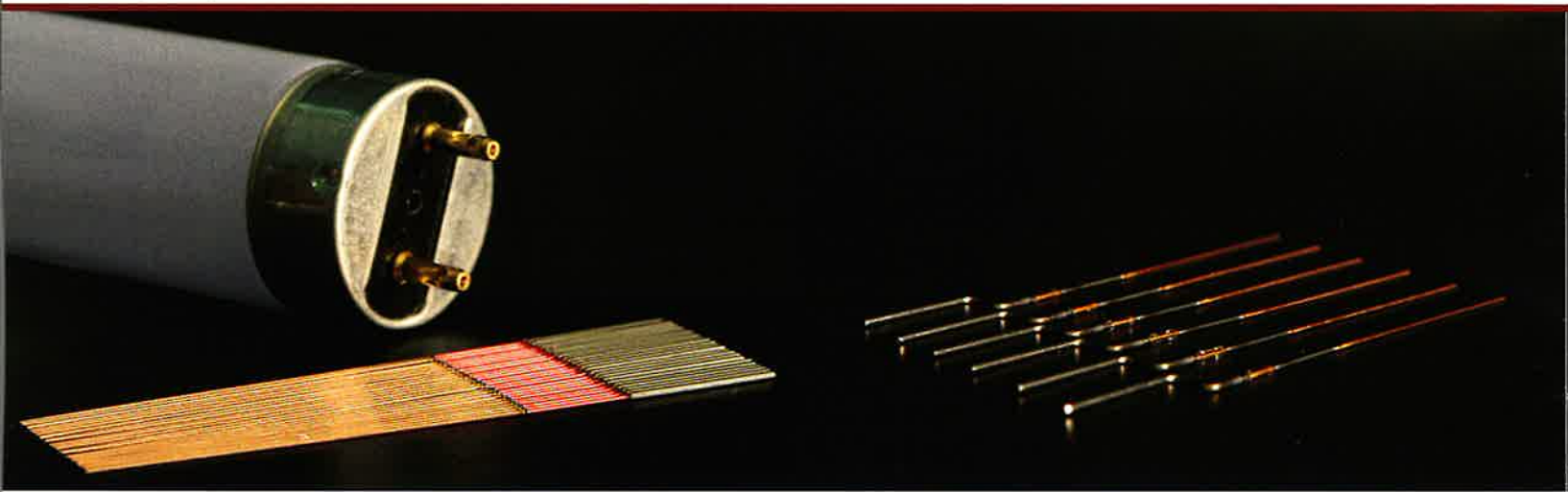
# Tungsten / Molybdenum



- Centerless ground
  - Polished
  - Sandblasted
  - Etched surfaces
  - Split free (100% Eddy Current Checked)
  - Gurantees vacuum-tight seals
- 
- Diameter: 0,3 mm - 7 mm
  - Length: >0,7 mm



# Lighting





Bruno Dietze is synonymous with precision welding in lighting industry



- Resistance Welding
- Arc-Percussive Welding
- Gas Welding
- Glas Beading



Eldur AG, Maienfeld (Switzerland)

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Bruno Dietze KG, Coburg (Germany)

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Elbik GmbH, Kehl (Germany)

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GMV Steinach GmbH & Co. KG, Steinach (Germany)

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Eldur Corporation, Bangor/Maine (USA)

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Shanghai Eldur Electronic Components Co., Ltd.,  
Shanghai (China)

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Eldur Slovakia k. s., Nesvady (Slovakia)

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