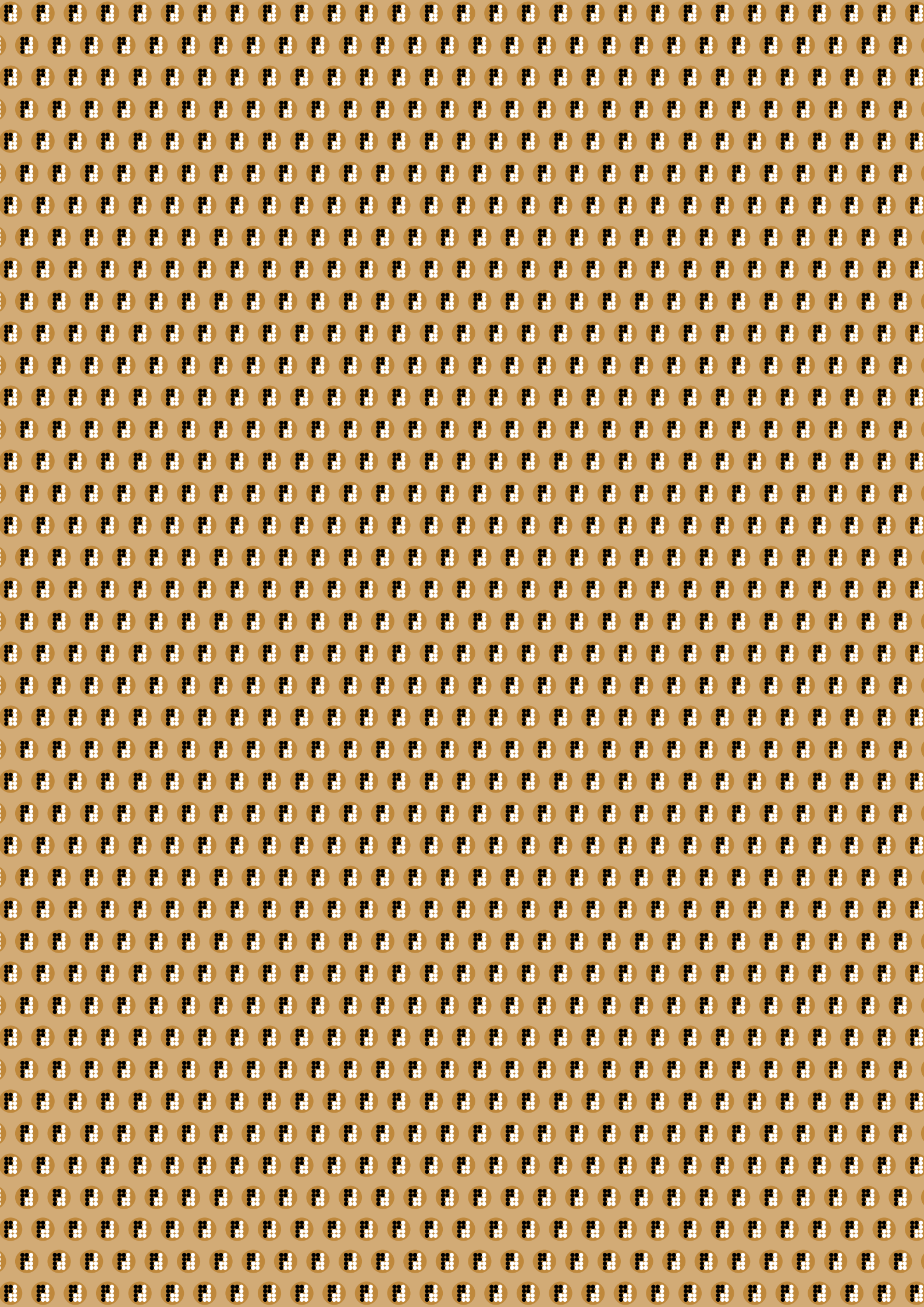


**preci-dip**

swiss world connects

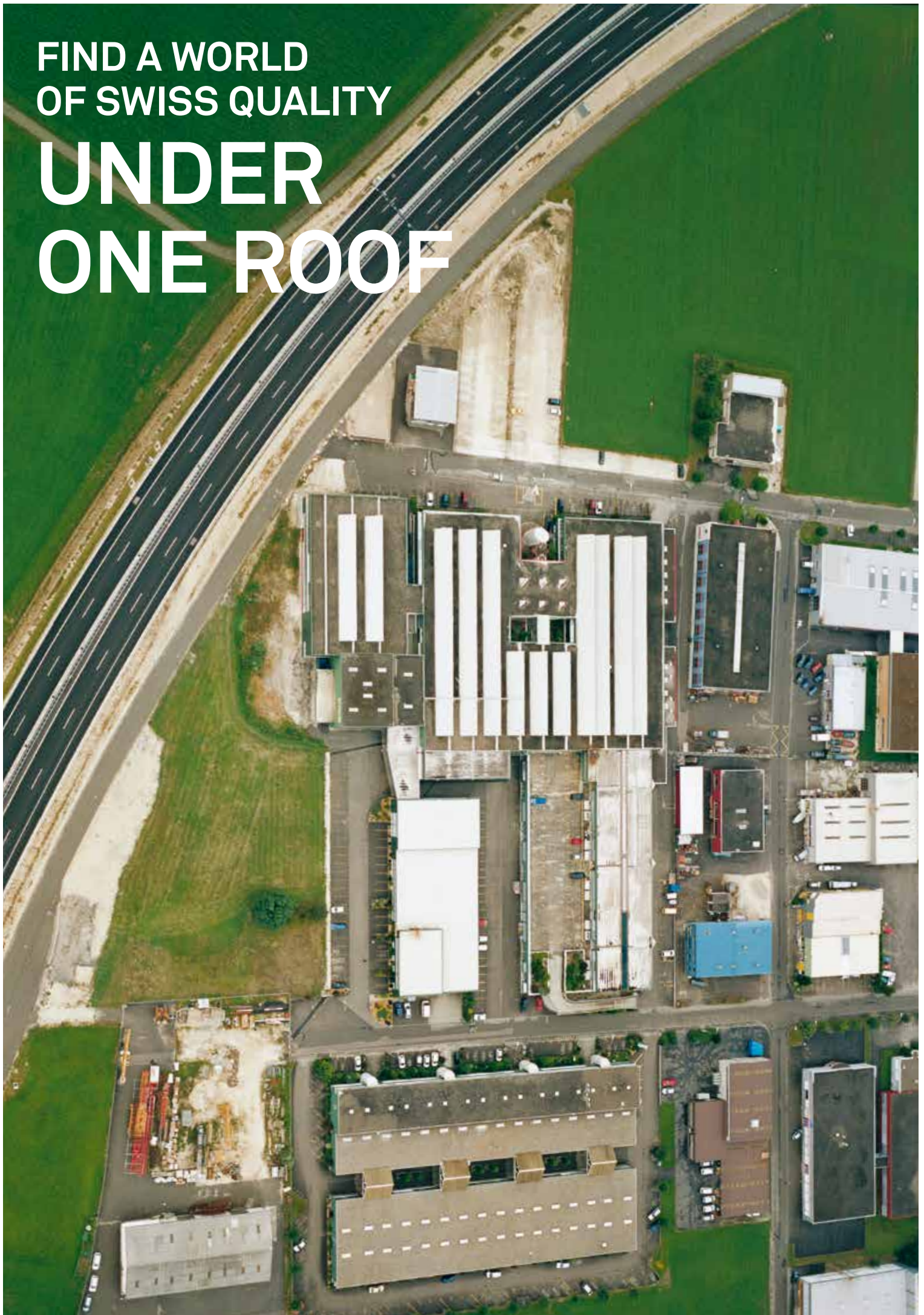


**PRECI-DIP**  
**SWISS QUALITY**  
**CONNECTION**  
**TECHNOLOGY**

**INTERCONNECT COMPONENTS**  
**FROM STANDARD PRODUCTS**  
**TO CUSTOM DESIGN**

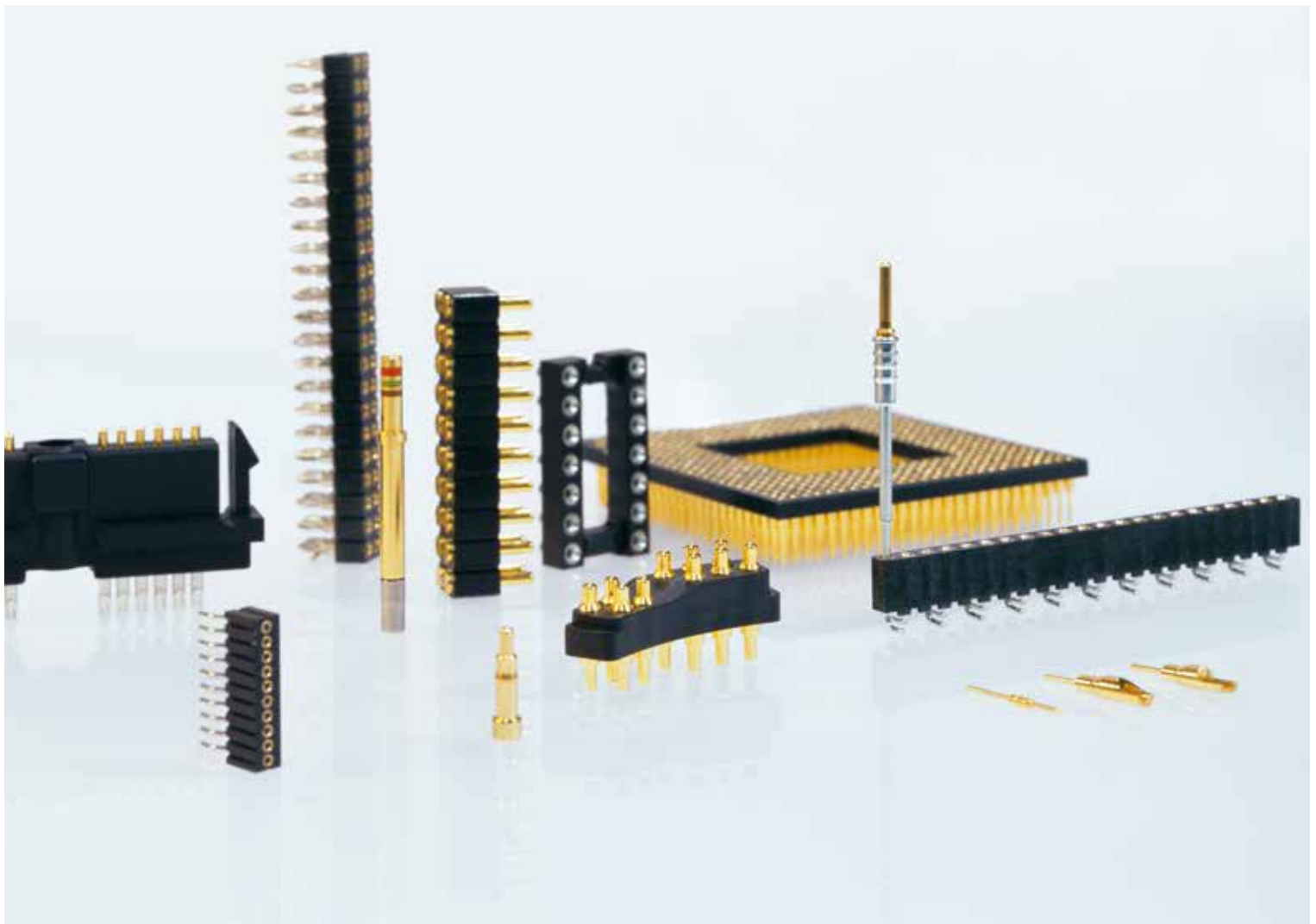
FIND A WORLD  
OF SWISS QUALITY

# UNDER ONE ROOF





**FULL CONTROL OF THE ENTIRE  
MANUFACTURING PROCESS.  
FROM RAW MATERIAL TO FINISHED  
PRODUCT, FROM PRODUCT  
DEVELOPMENT TO SALES.  
HOME TO SUCH UNIQUE QUALITY  
IS DELEMONT, SWITZERLAND.  
SINCE 1976.**



Preci-Dip packs unequalled expertise into cutting-edge interconnect components. Advanced designs, top materials, incomparable Swiss precision. Developed by men and women driven by passion and know-how.

Key data for one of the world's leading producers of screw-machined contacts: 25,000 m<sup>2</sup>, more than 20,000 different products, R&D supported by state-of-the-art CAD systems and 3D projections. Compliance with the Standards ISO 9001, ISO 14001 and MIL Standard 790 verified in our own test laboratory.

ISO 14001 Environmental Management Systems. Ahead of its time, Preci-Dip exceeds the world's most stringent environmental standards (Switzerland, California). State-of-the-art filter systems help preserve the atmosphere, a closed water circuit protects the ground water and saves valuable resources. These are but some of the accomplishments the Company can be proud of. Environmental responsibility is a core value embraced by all Preci-Dip employees.

Precision tools and contact assembly machines are developed, designed and produced by Preci-Dip experts. Principle of vertical single-site command structure put into practice – from raw material to finished product. Each step under control.

300 high-speed turning machines for producing precision contacts made of various copper alloys. Capacity: more than 150 million pieces/week.

Preci-Dip is also a leader in spring-loaded contacts – a top-quality industrial production.

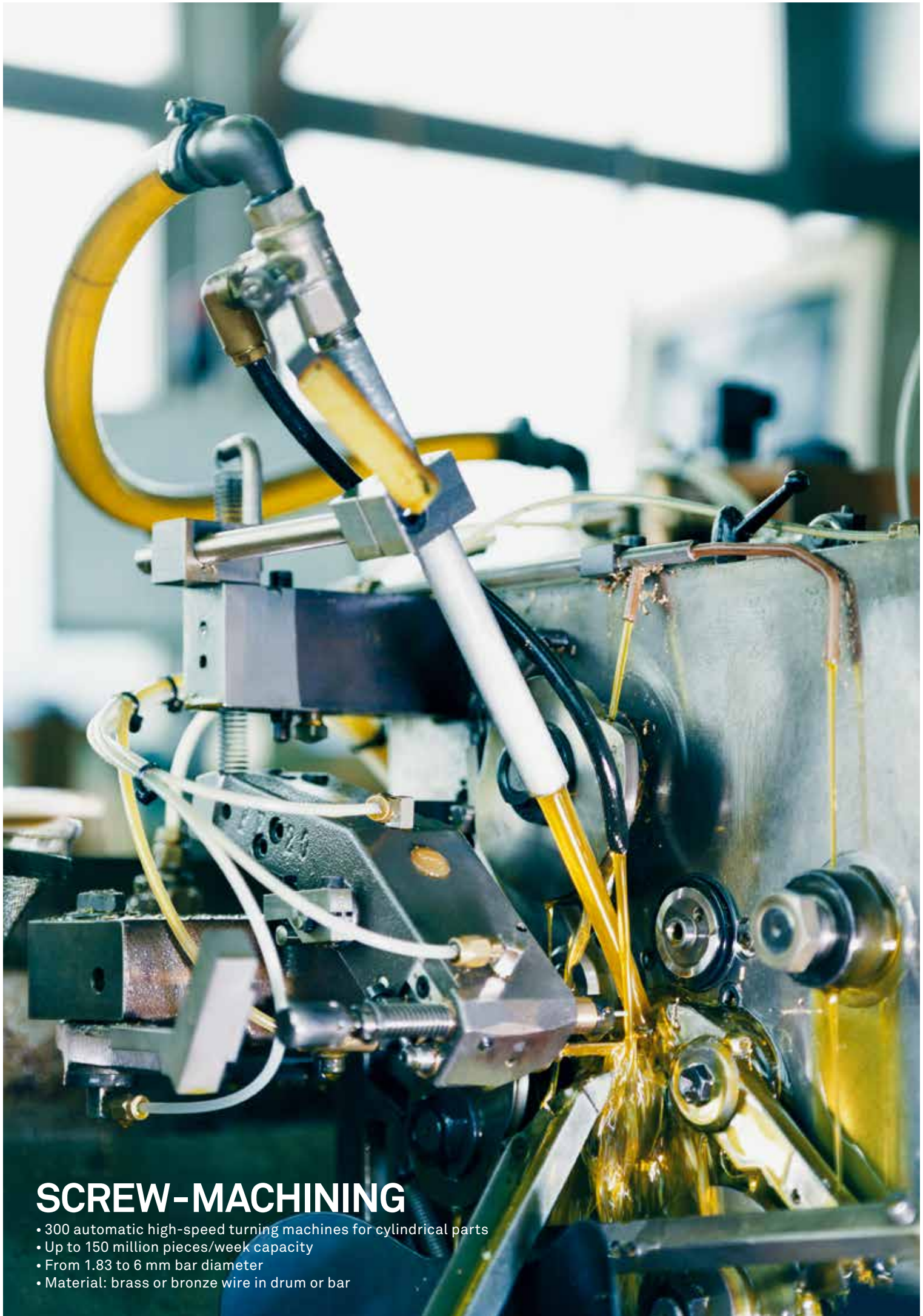
Custom-made insulators for special requirements – 150 contact assembly machines for high-speed clip insertion in the contact body.

Custom-designed products developed in close partnership with the client – a welcome challenge for the Preci-Dip Team.

SAP-supported production controls for short lead times.

Expertise, qualifications and commitment for high output, flexibility and customer orientation. Under one and the same roof. Supported by a worldwide logistic network.

Preci-Dip: Come and visit us. On the Internet. Or in person. Experience for yourself what it means to rely on Swiss quality.



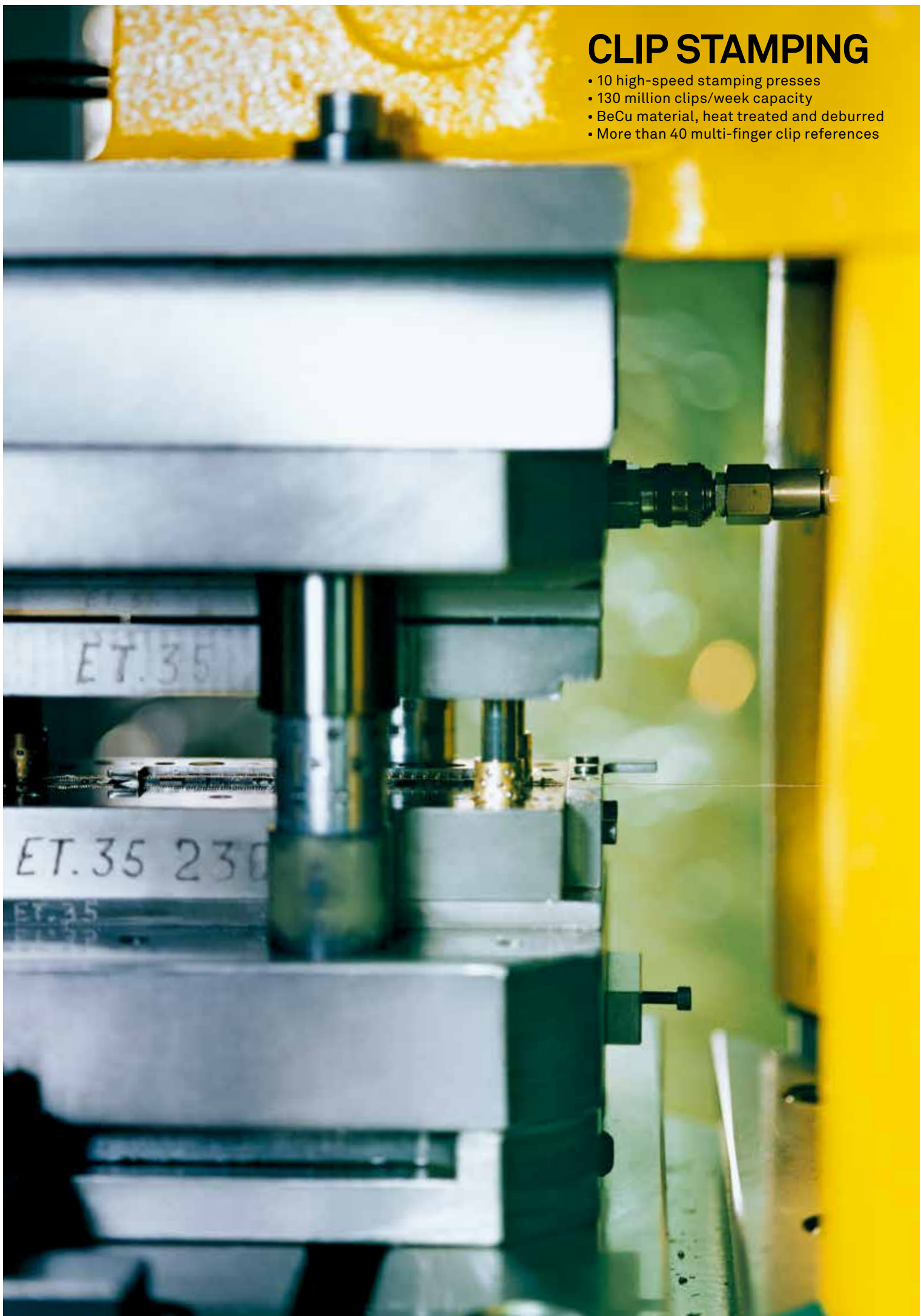
## SCREW-MACHINING

- 300 automatic high-speed turning machines for cylindrical parts
- Up to 150 million pieces/week capacity
- From 1.83 to 6 mm bar diameter
- Material: brass or bronze wire in drum or bar



# CLIP STAMPING

- 10 high-speed stamping presses
- 130 million clips/week capacity
- BeCu material, heat treated and deburred
- More than 40 multi-finger clip references





## CONTACTS ASSEMBLY

- 150 contact assembly machines for the insertion of the clip in the contact body
- 150 million contacts per week assembly capacity



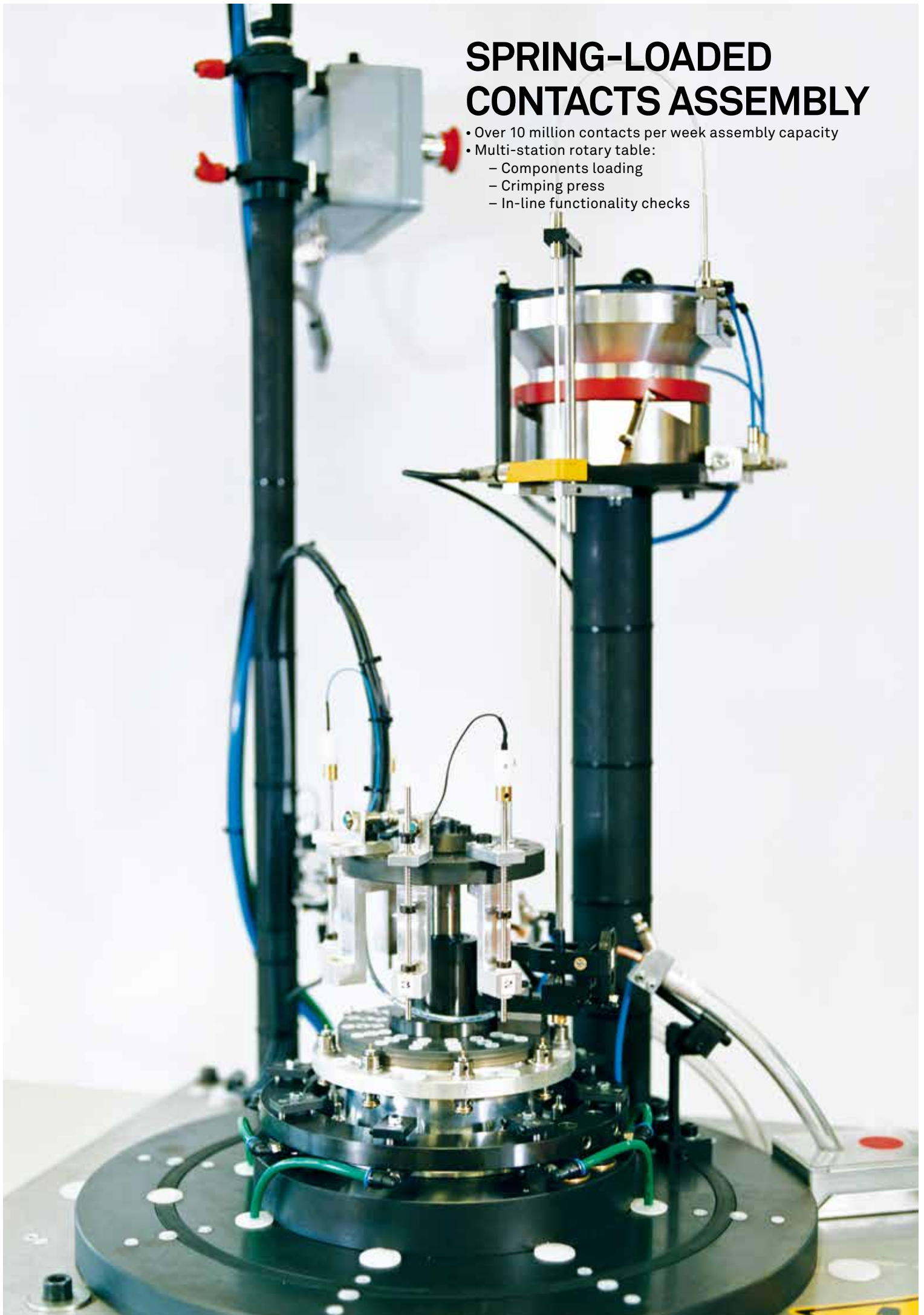
## CONNECTORS ASSEMBLY

- Final assembly of the contact in the insulator
- 150 assembly machines and equipment
- Assembly PCB connectors, IC and PGA sockets
- Capacity 80 million assembled contacts per week



# SPRING-LOADED CONTACTS ASSEMBLY

- Over 10 million contacts per week assembly capacity
- Multi-station rotary table:
  - Components loading
  - Crimping press
  - In-line functionality checks



# PLATING LINES

- 6 fully automated plating lines of the vibratory basket type
- 180 million parts / week capacity
- Layer deposition: electro nickel, chemical nickel, tin lead, gold, lead-free tin
- Chemical lab for plating bathes and waste water treatment analysis and maintenance
- Waste water treatment installation with ultra filtration system



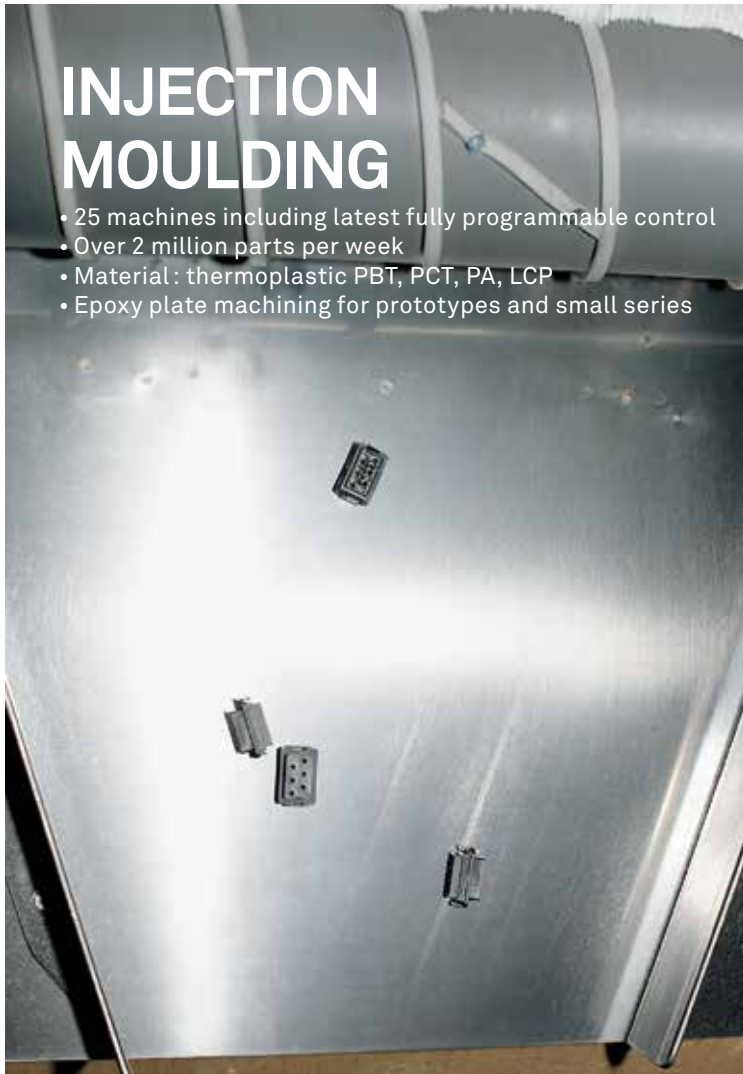


## SPRING COILING

- Ultramodern miniature spring coiling machines
- Material: music wire or stainless steel
- In-built, closed loop measuring system with self-adjustment of spring length

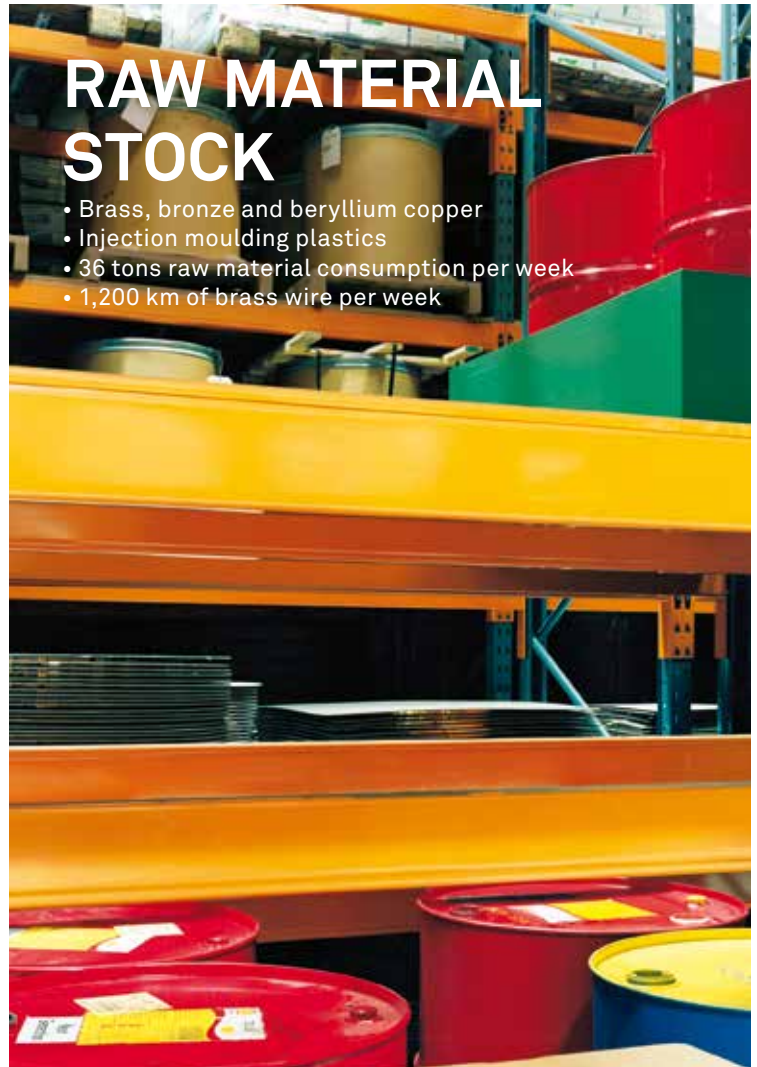
# INJECTION MOULDING

- 25 machines including latest fully programmable control
- Over 2 million parts per week
- Material: thermoplastic PBT, PCT, PA, LCP
- Epoxy plate machining for prototypes and small series



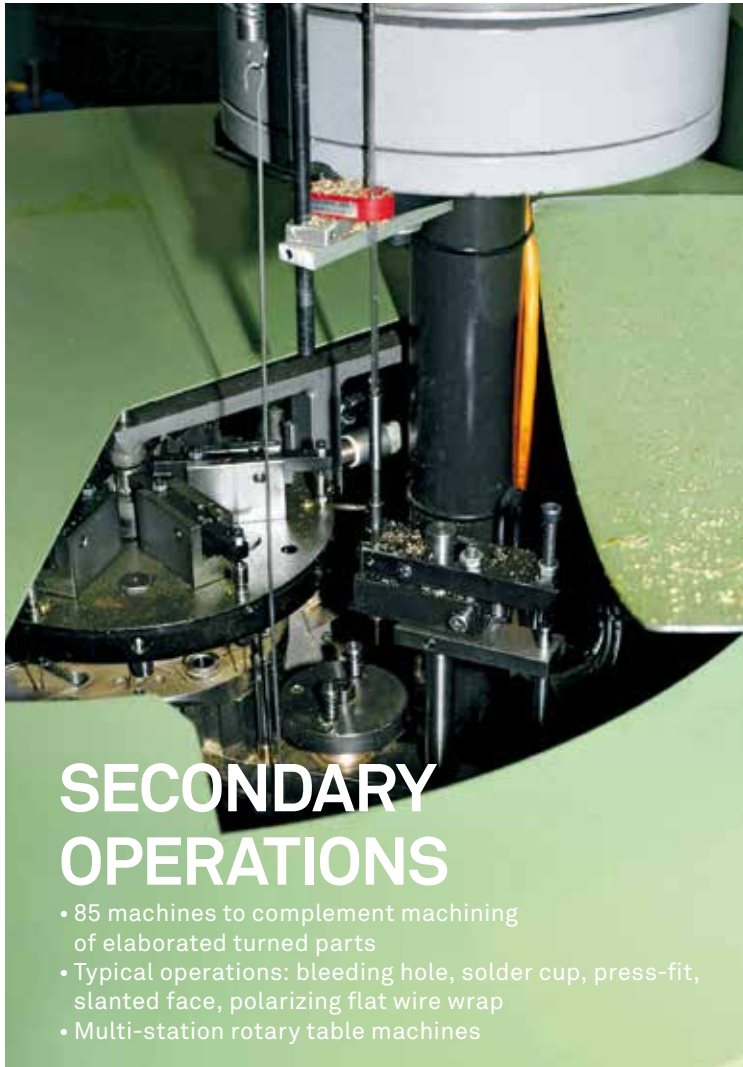
# RAW MATERIAL STOCK

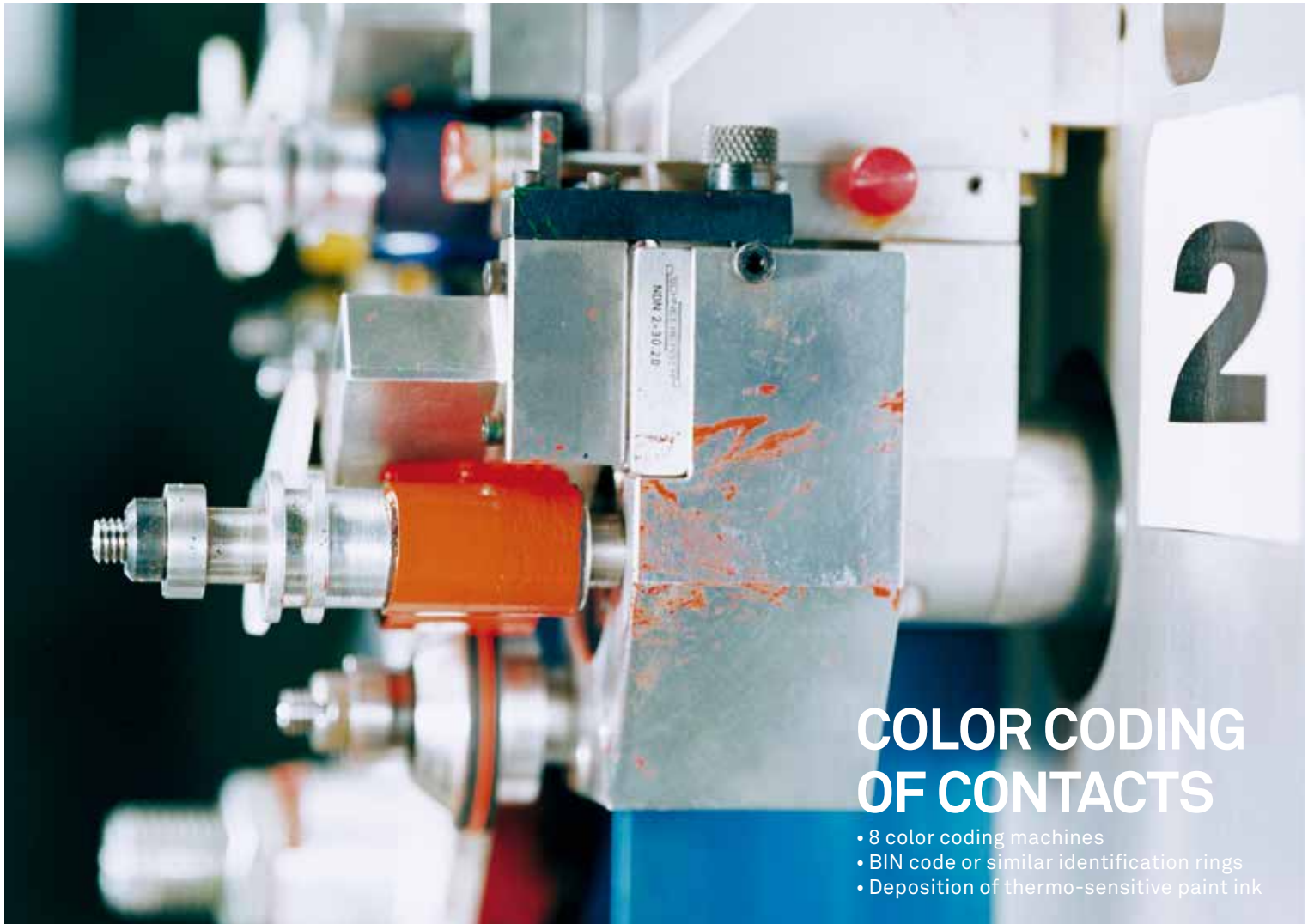
- Brass, bronze and beryllium copper
- Injection moulding plastics
- 36 tons raw material consumption per week
- 1,200 km of brass wire per week



# SECONDARY OPERATIONS

- 85 machines to complement machining of elaborated turned parts
- Typical operations: bleeding hole, solder cup, press-fit, slanted face, polarizing flat wire wrap
- Multi-station rotary table machines





## COLOR CODING OF CONTACTS

- 8 color coding machines
- BIN code or similar identification rings
- Deposition of thermo-sensitive paint ink

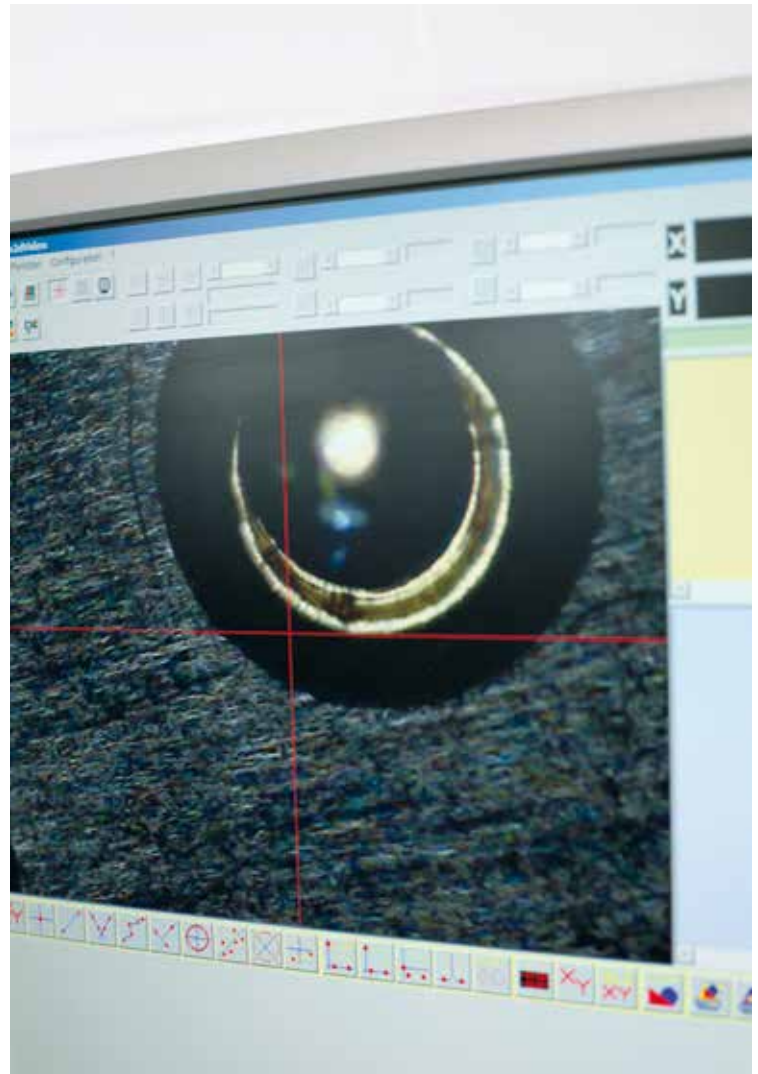
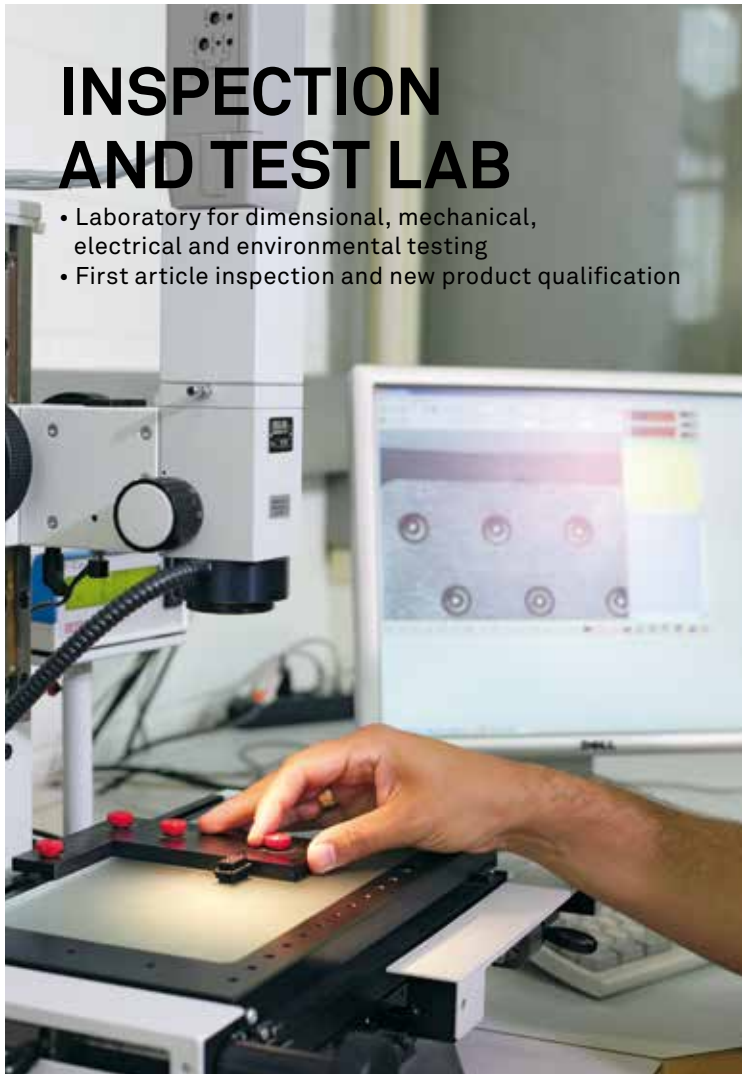


## MECHANICAL WORKSHOP

- Development and realization of automatic assembling equipment
- Construction of mould tools
- Maintenance team for production equipment

# INSPECTION AND TEST LAB

- Laboratory for dimensional, mechanical, electrical and environmental testing
- First article inspection and new product qualification



# SALES AND MARKETING DEPARTMENT

- Highly experienced sales force (Key Account Managers – Sales Assistants)
- Languages spoken: French, English, German, Spanish, Italian, Japanese, Finnish, Chinese, Korean



**preci-dip**





# PROFIT FROM OUR WORLDWIDE RECOGNITION

# ADVANTAGE CLIENT

Awards from prestigious institutions and customers. Major certifications. Worldwide recognition. For ongoing innovation, perfect teamwork, environmental responsibility as well as entrepreneurial excellence and sustained growth. In short, for swiss quality.



Excellence and sustained growth – the reason why Preci-Dip received the Entrepreneur of the Year Award for Western Switzerland.

**DEMAND THE BEST SOLUTIONS  
FOR YOUR IDEAS**

# **OUR CUSTOM DESIGN**

A competitive edge, the ability to innovate, and high productivity are some of the core values at Preci-Dip. When it comes to Custom Design, there's an additional value: Teamwork.

Time and again, turning customer ideas and imagination into reality is a very special challenge. This is one of Preci-Dip's core strengths.

Everything under one roof: the incomparable advantage of Preci-Dip becomes even more obvious when it comes to Custom Design. Ready access to material resources is as critical as the expertise of our engineers and the art of developing and designing our own production equipment.

Our experience with countless standard products and more than 20,000 references underlie the incessant development of new top-quality products designed with cost-effectiveness and efficiency in mind. Preci-Dip has integrated Product Development and Product Engineering into one Design Office to create the necessary synergies for best results and top product quality.

Companies in all industrial sectors value their collaboration with Preci-Dip for complete product and component solutions – today and tomorrow.

Your Preci-Dip Team welcomes your Custom Design challenge!



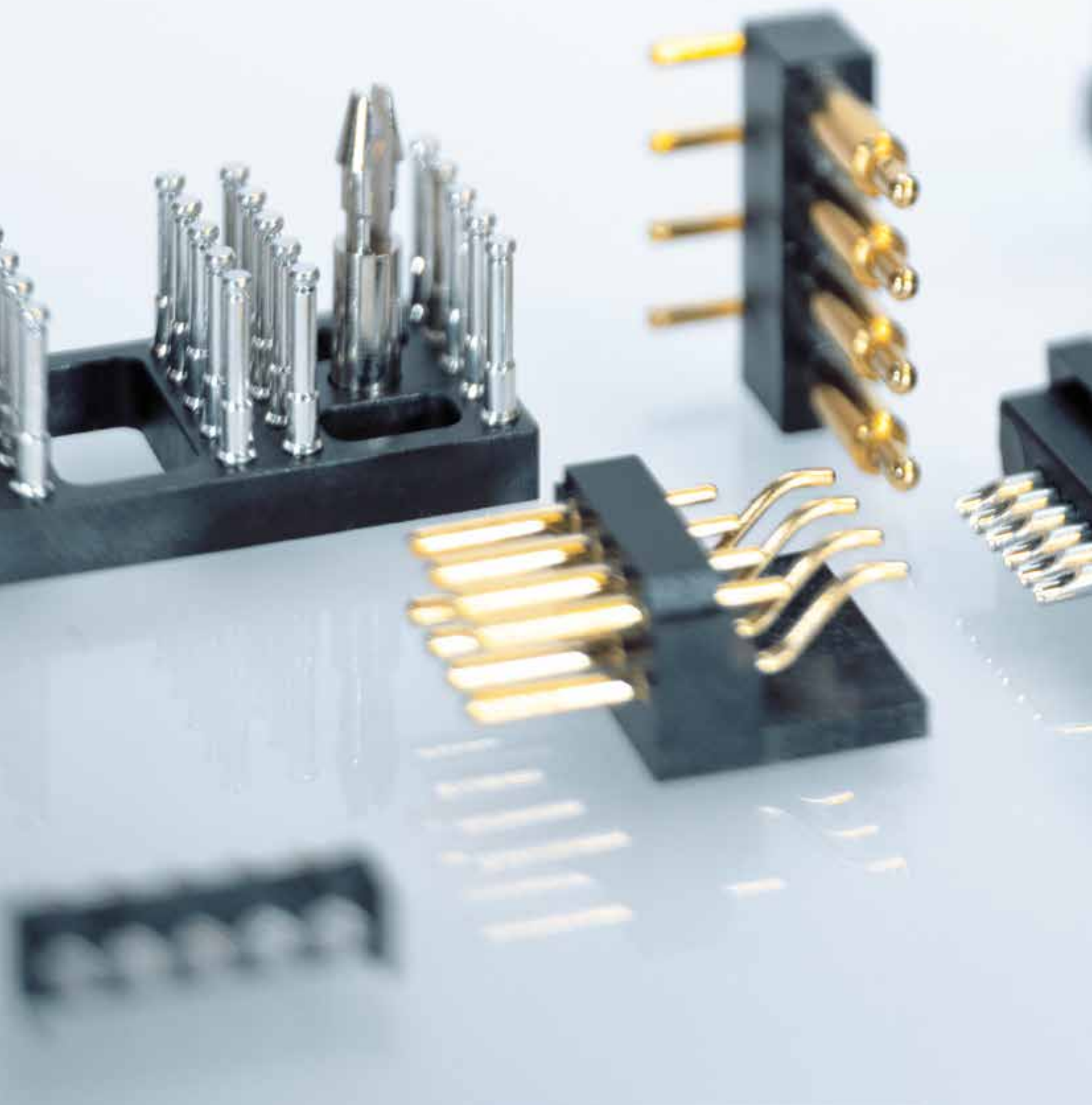


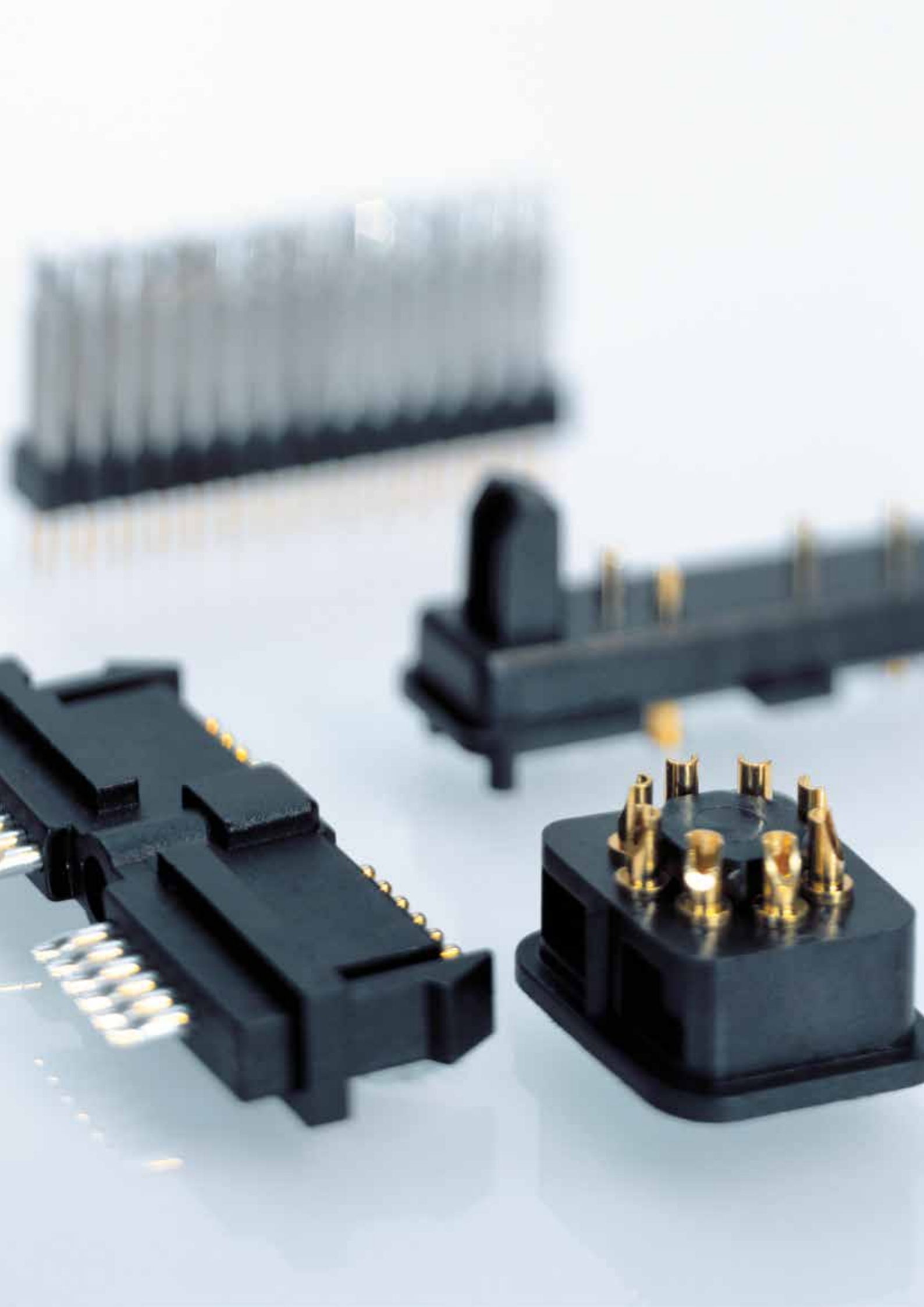
**MAKE USE OF OUR COMPLETE  
PRODUCT RANGE**

# **PRECI-DIP INTERCONNECT COMPONENTS**

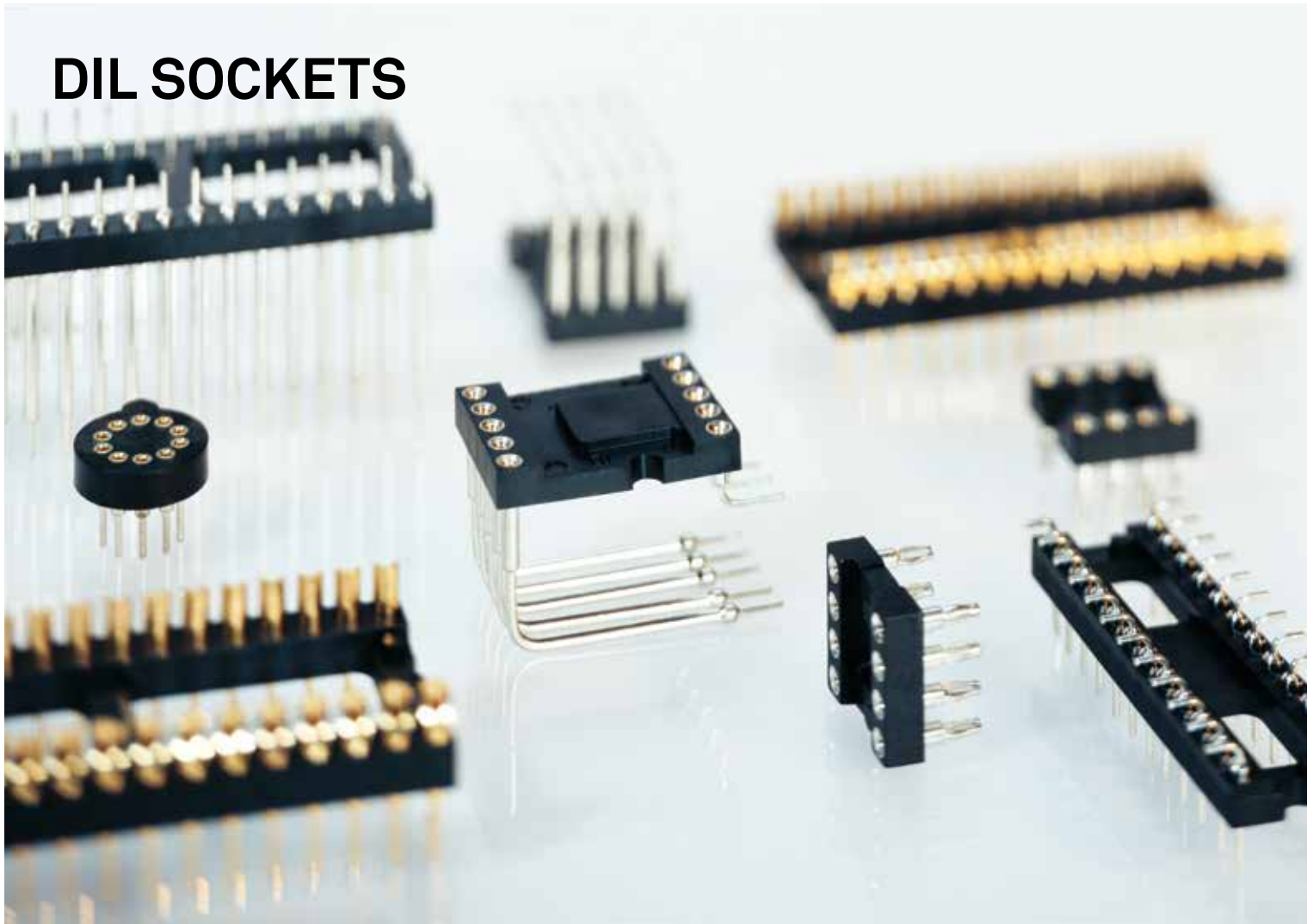
- **SPRING-LOADED CONNECTORS**
- **PCB CONNECTORS**
- **DIL SOCKETS**
- **PGA / BGA / PLCC SOCKETS**
- **SCREW-MACHINED CONTACTS**
- **CUSTOM DESIGN CONNECTORS**

# CUSTOM DESIGN





## DIL SOCKETS

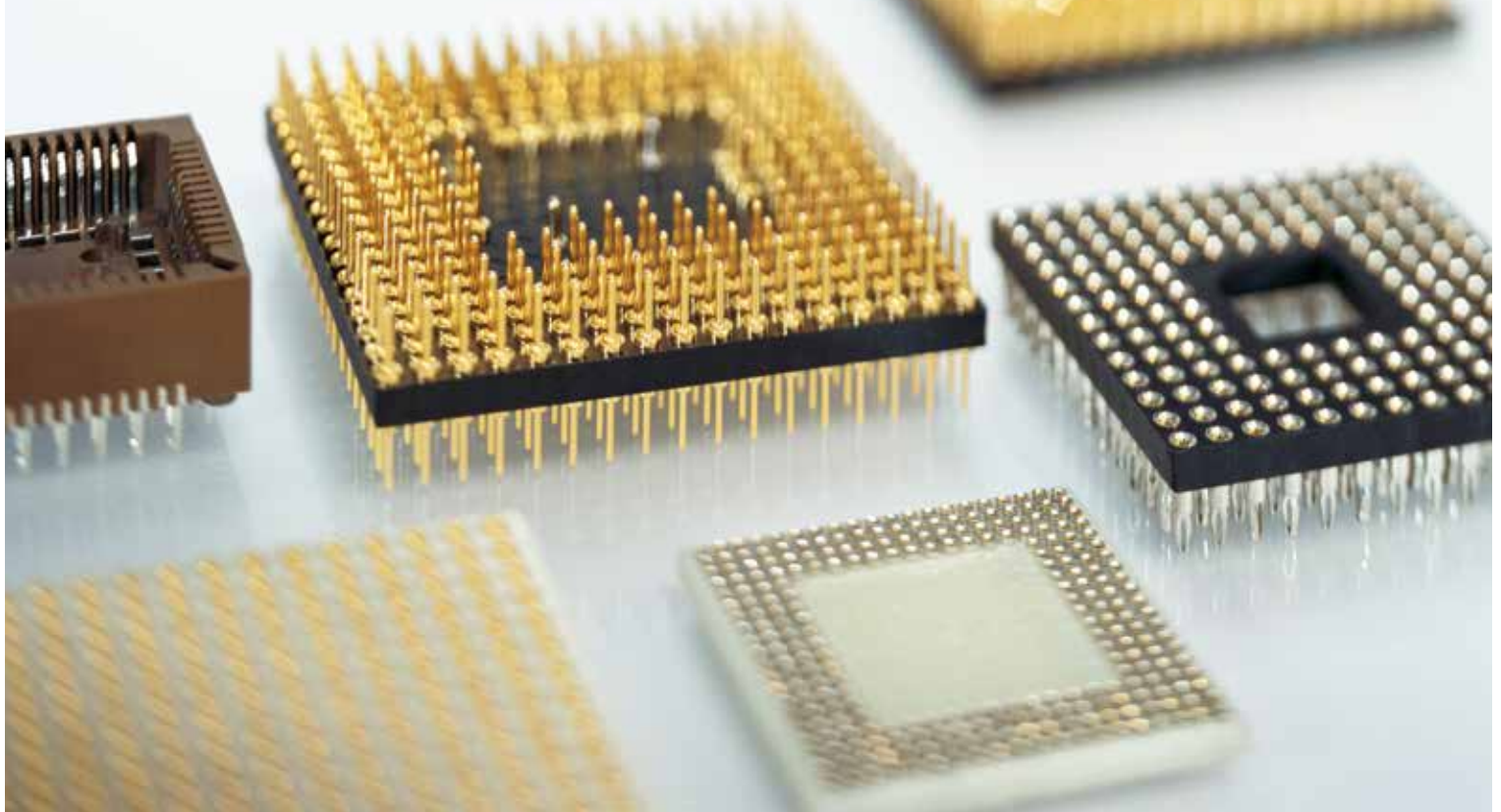


## SPRING-LOADED CONNECTORS

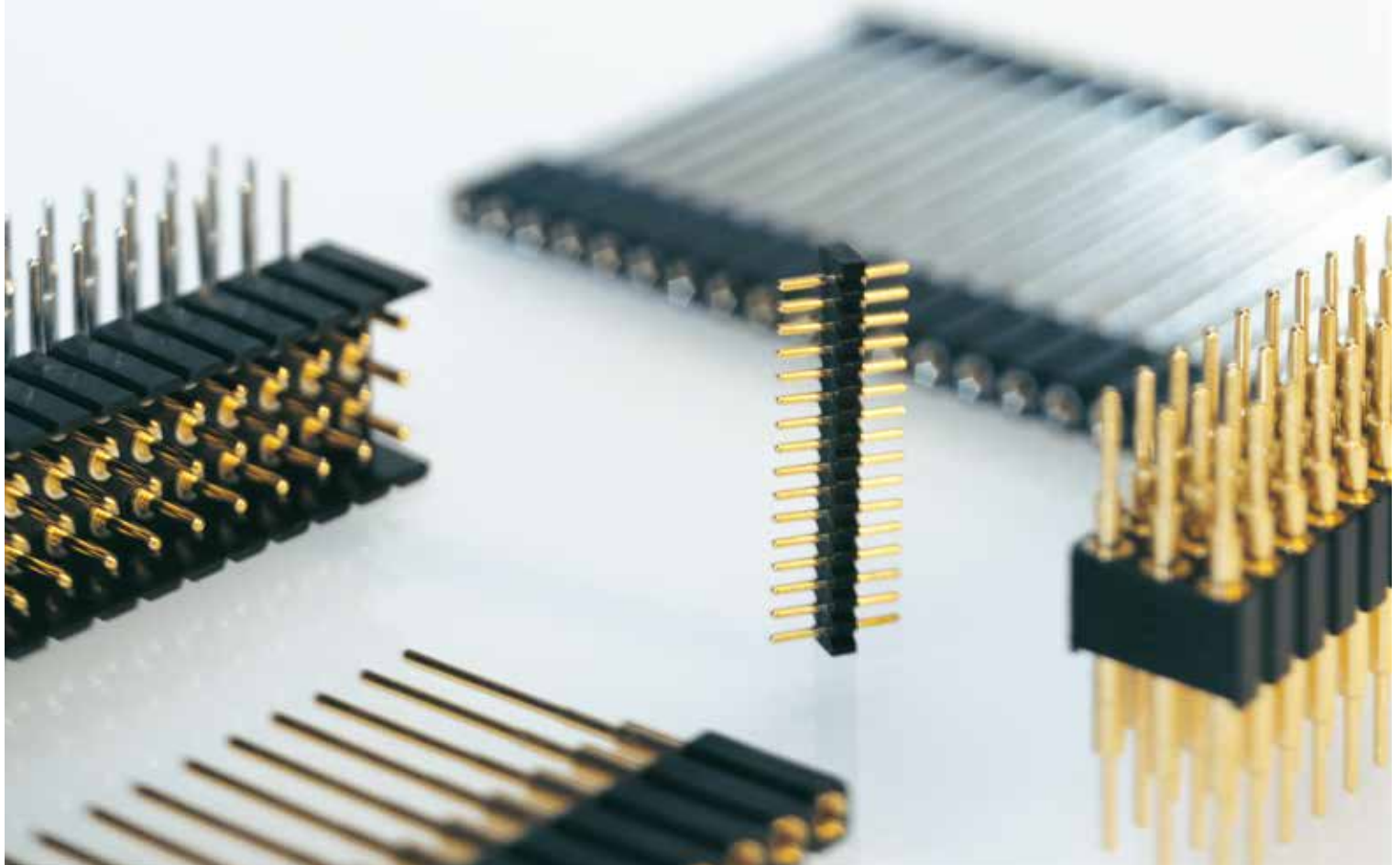




# PGA/BGA/PLCC SOCKETS



# PCB CONNECTORS



# CONTACTS

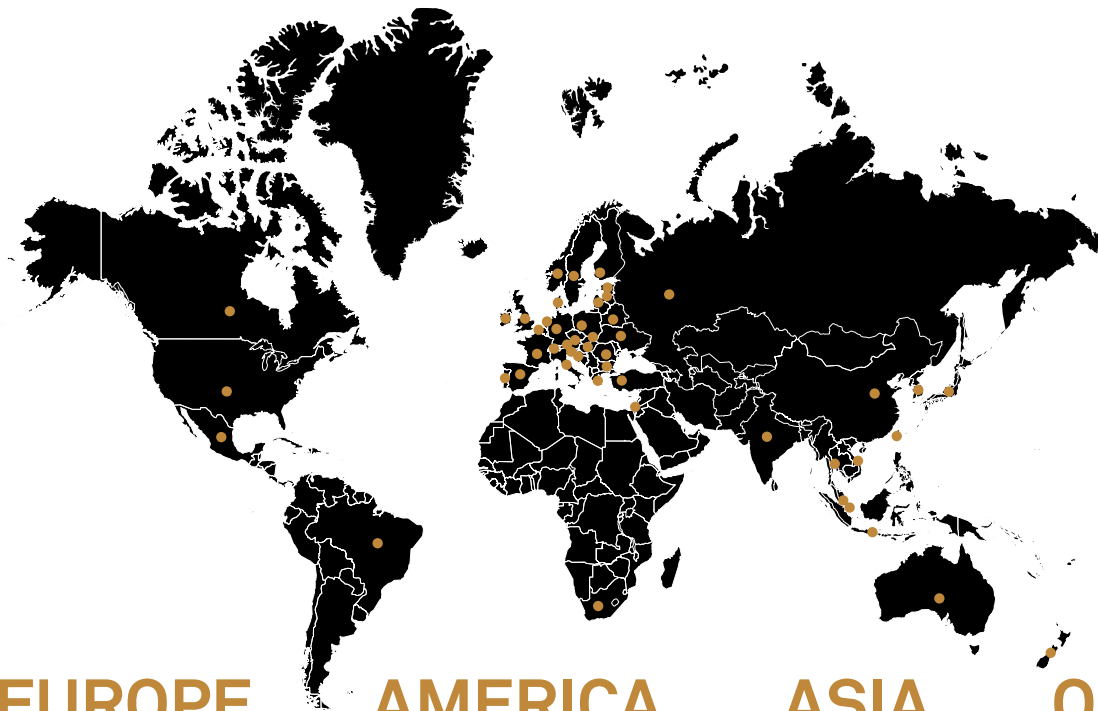




CHOOSE THE BEST CONNECTION

# AROUND THE WORLD

More than 100 Distributors around the world distribute Preci-Dip products across the five continents



## EUROPE

2 x AUSTRIA  
2 x BELGIUM  
2 x BULGARIA  
1 x BYELORUSSIA  
1 x CROATIA  
2 x CZECH REPUBLIC  
3 x DENMARK  
3 x ESTONIA  
3 x FINLAND  
6 x FRANCE  
5 x GERMANY  
2 x GREECE  
2 x HUNGARY  
2 x IRELAND  
2 x ISRAEL  
3 x ITALY  
3 x LATVIA  
2 x LITHUANIA  
2 x NETHERLANDS  
3 x NORWAY  
2 x POLAND  
2 x PORTUGAL  
2 x ROMANIA  
2 x RUSSIA  
1 x SLOVAKIA  
2 x SLOVENIA  
3 x SPAIN  
3 x SWEDEN  
2 x SWITZERLAND  
2 x TURKEY  
3 x UNITED KINGDOM  
1 x UKRAINE

## AMERICA

1 x BRAZIL  
4 x CANADA  
4 x MEXICO  
4 x USA  
  
3 x MIL DISTRIBUTORS

## ASIA

3 x CHINA  
2 x INDIA  
1 x INDONESIA  
3 x JAPAN  
1 x SOUTH KOREA  
1 x MALAYSIA  
1 x SINGAPORE  
1 x TAIWAN  
2 x THAILAND  
2 x VIETNAM

## OCEANIA

1 x AUSTRALIA  
1 x NEW ZEALAND

## AFRICA

1 x SOUTH AFRICA

**ENJOY THE BENEFITS**

# **HEADED FOR SUCCESS**

- **COMPLETE RANGE OF HIGHLY RELIABLE INTERCONNECT COMPONENTS**
- **DIVERSE FIELDS OF APPLICATION**
- **IN-HOUSE MANUFACTURING – FROM RAW MATERIAL TO FINISHED PRODUCT**
- **EFFECTIVE MANAGEMENT SYSTEM**
- **HIGHLY SKILLED AND MOTIVATED WORKFORCE**
- **STRONG CUSTOMER SUPPORT**
- **CUSTOM DESIGN**
- **COMPETITIVE PRICING, FLEXIBILITY AND SWISS QUALITY**
- **WORLDWIDE PRESENCE**
- **PRESTIGIOUS CLIENT BASE**

**[www.precidip.com](http://www.precidip.com)**

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