

LE HATKO ELECTRONICS®

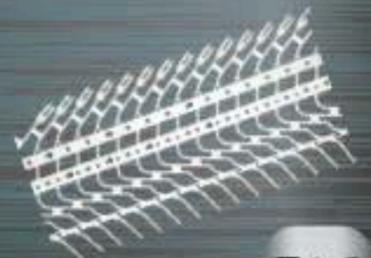
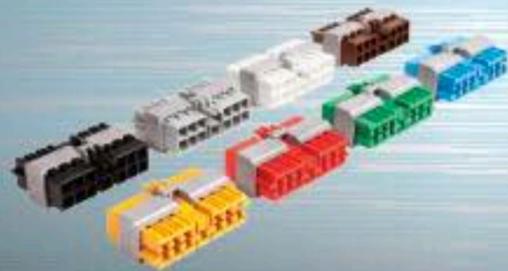
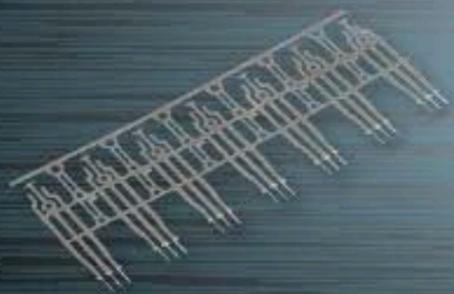
Crimp Terminals & Housings
Crimpkontakte & Gehäuse
Terminal & Konnektör

Precision Metal Stamping
Präzisions-Stanztechnik
Hassas Metal Şekillendirme

Plastic Injection
Kunststoff-Spritzguss
Plastik Enjeksiyon

Surface Treatment
Oberflächentechnik
Metal Kaplama

www.hatko.com





Hatko Electronics, part of **Hatko Group of Companies** since 1988, was established in 1969 and since then has been the leading manufacturer of terminals and plastic housings in Turkey

In addition to its standard portfolio of products, with its in-house Product and Tool design capabilities, tool manufacturing and electrolytic plating departments, **Hatko Electronics** is able to provide a one-stop solution to all terminal and plastic housing needs

With over 50 years experience and know-how, **Hatko Electronics** has an impeccable reputation with the OEMs and their suppliers in the white goods, automotive and power distribution sectors, both domestically and internationally

Hatko Electronics maintains all the necessary quality management systems and product certifications required by its clients, including ISO 9001 and IATF 16949 certificates, as well as VDE, UL and TÜV certified products

OUR EXPERTISE

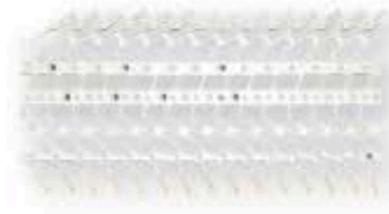
PRECISION METAL STAMPING



PLASTIC INJECTION



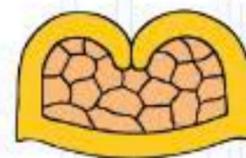
SURFACE TREATMENT



NEW PRODUCT & TOOL DESIGN AND PRODUCTION



CRIMP TECHNOLOGY



OUR VALUES

**GERMAN
TECHNOLOGY**



**CUSTOMER
ORIENTED**



**QUALITY
FOCUS**



**FLEXIBLE QUANTITIES &
DELIVERY DATES**



**PROJECT
BASED WORK**



**CUSTOMISED
PRODUCTS**

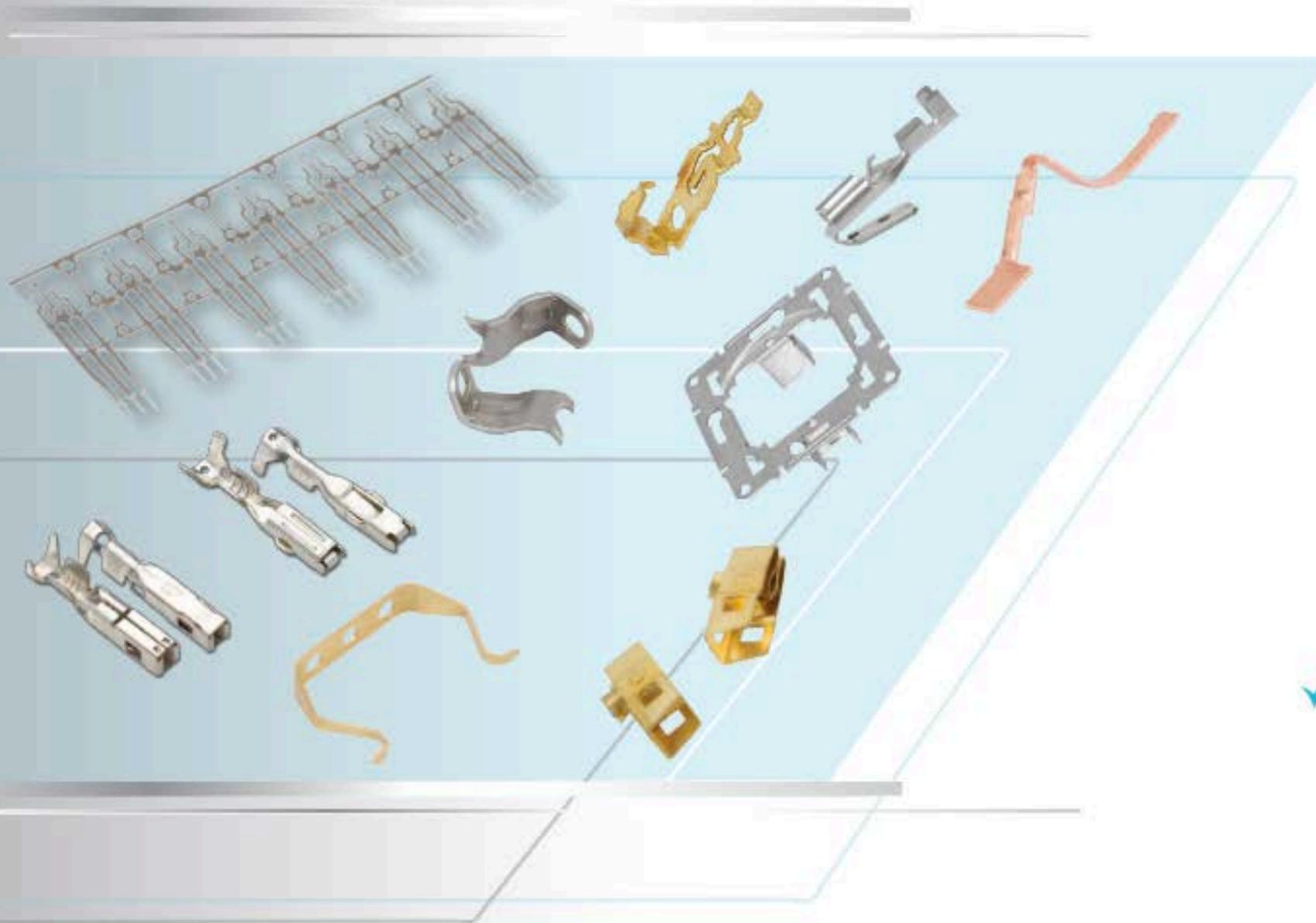


WE SELL OUR PRODUCTS TO 5 CONTINENTS...



PRECISION METAL STAMPING

PRODUCTION OF TERMINALS AND BEYOND ...



- ✓ Production of terminals and precision metal parts
- ✓ Production line with state-of-the-art technology
- ✓ Production from:
 - Brass «
 - Phosphor bronze «
 - Copper «
 - Steel «
 - and their alloys
- ✓ Up to 2,5mm thickness and 100mm width
- ✓ Consistency with international standards: DIN, EN, IEC



PRECISION METAL STAMPING

“ STATE - OF - THE - ART PRODUCTION ”

High-Speed Bruderer Presses

- ✓ 25-51 tons production capability
- ✓ Up to 1200 strokes per minute
- ✓ Up to 1,5 mm band thickness
- ✓ Variable stroke (13-51 mm)
- ✓ 8-100 mm band width
- ✓ Ability to produce with two materials simultaneously

Standard Presses

- ✓ 25-100 tons production capability
- ✓ Up to 300 strokes per minute
- ✓ Up to 2,5 mm band thickness
- ✓ Fixed stroke (40-51-70 mm)
- ✓ 10-150 mm band width





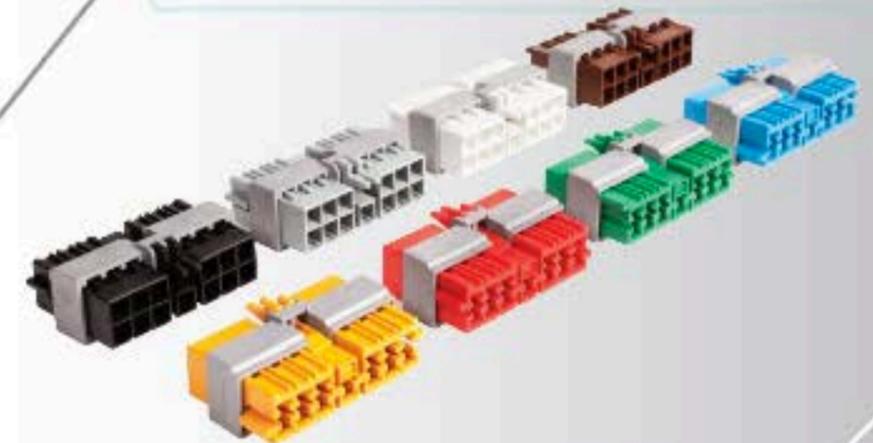
PLASTIC INJECTION

PRODUCTION OF PLASTIC CONNECTORS



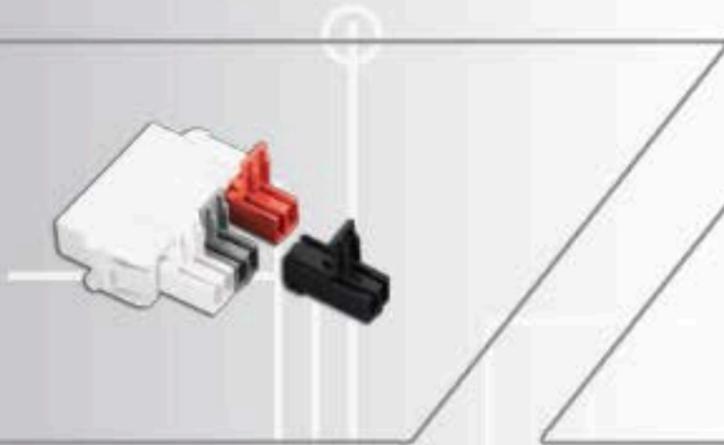
Krauss Maffei Plastic Injection Machines

- ✓ 65-80-125 tons of production capability
- ✓ Products from 5 gr to 275 gr
- ✓ Various material choices:
 - Polyamide (PA) «
 - Polyvinyl Chloride (PVC) «
 - Polyethylene (PE) «

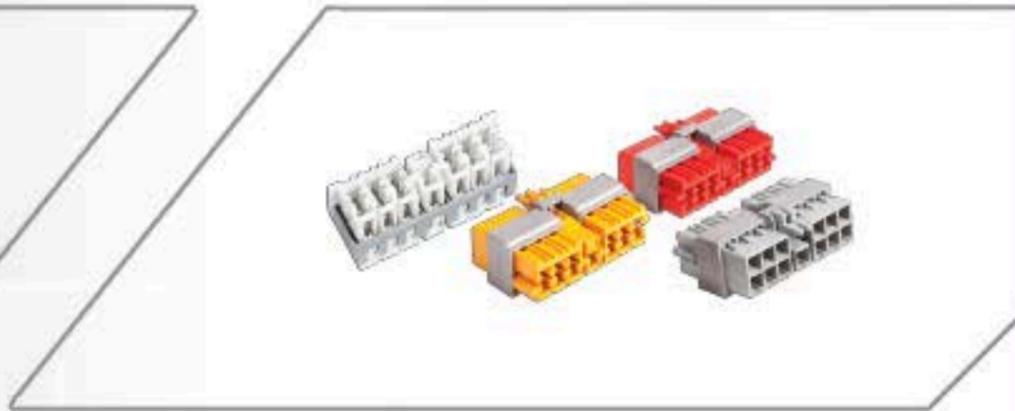


PLASTIC INJECTION

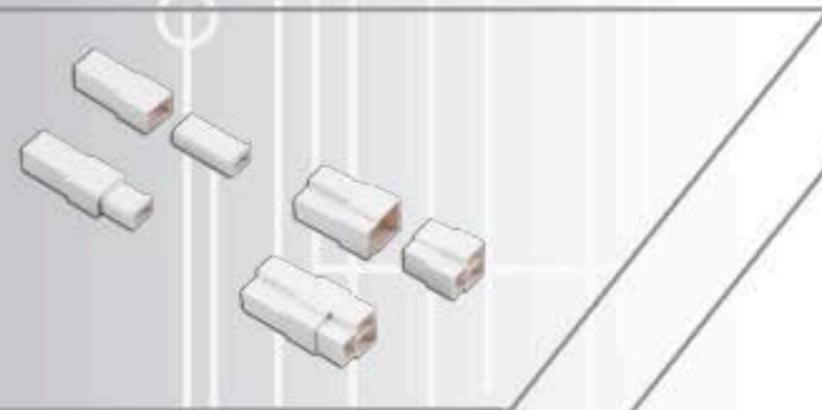
SAMPLE CONNECTORS



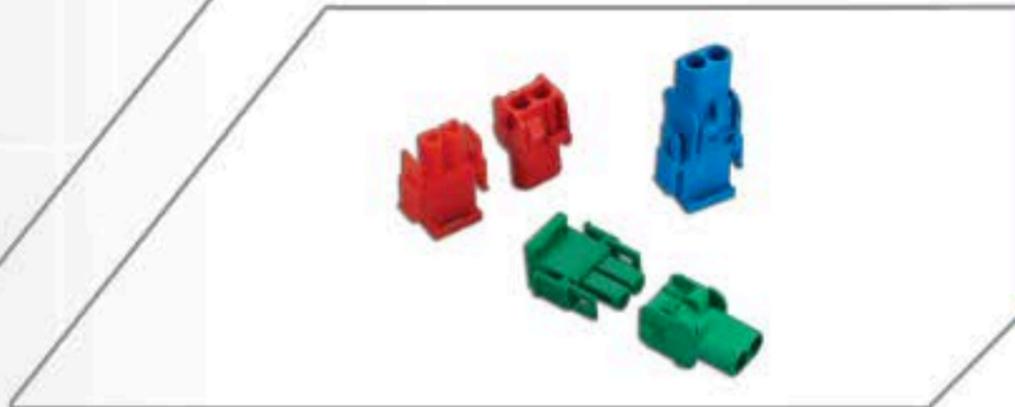
USK Series



13 Pole MIC Connectors



1-8 Pole Connectors



SF22 Series Connectors

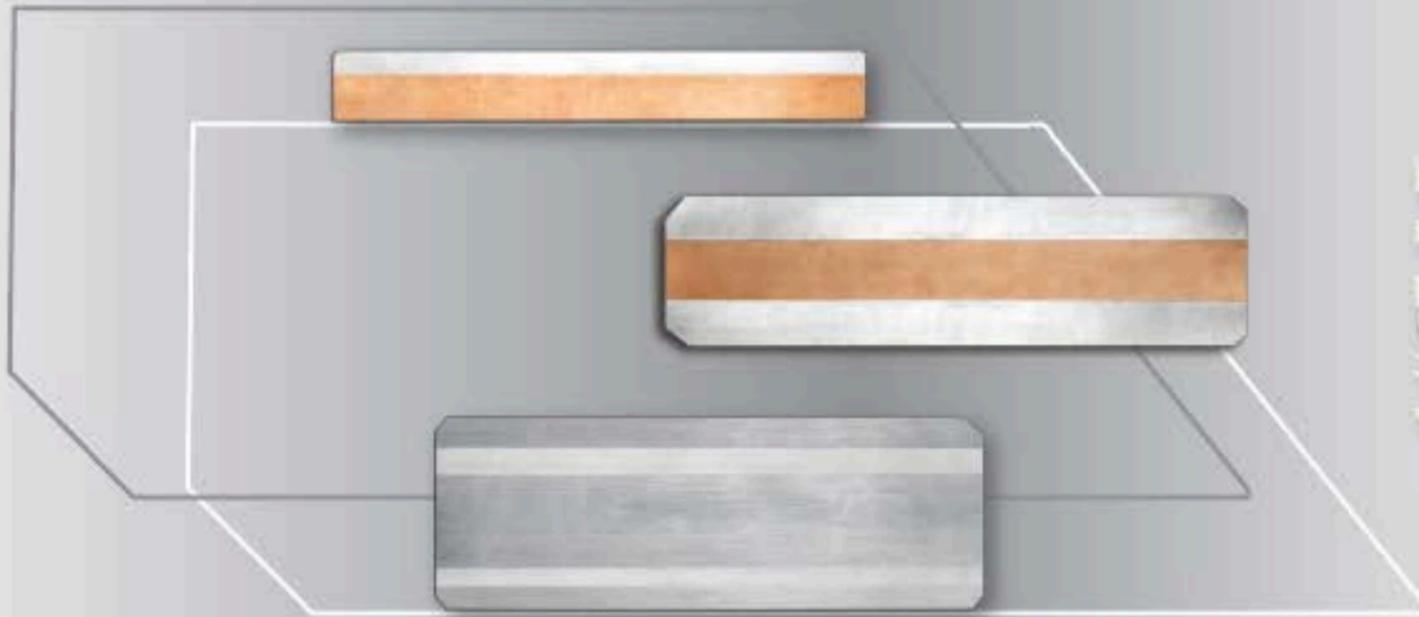




SURFACE TREATMENT

“THE ONLY ELECTROLYTIC
‘REEL-TO-REEL’
PLATING LINES IN TURKEY”

“German Made Reel-to-Reel Plating Lines”



Band Thickness: Maximum 1,5 mm
Band Width: Maximum 70 mm

SURFACE TREATMENT

Plating Types

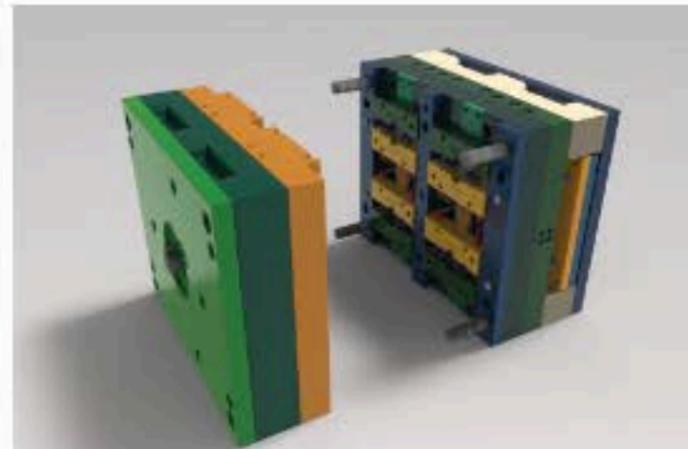
- Gold (AuCo) + Passivation
- Silver + Passivation (metallic and organic)
- Tin (Bright and Matte)
- Nikel (Ductile, Bright and Matte)
- Copper
- Multi plating
- Selective plating



TOOL DEPARTMENT TOOL DEPARTMENT

“FROM PRODUCT & TOOL DESIGN TO
PRODUCTION OF THE TOOLS...”

Design and production of high speed, progressive and
modul-based tools for plastic and metal products



TOOL DEPARTMENT

“STATE-OF-THE-ART
TOOL MACHINING”

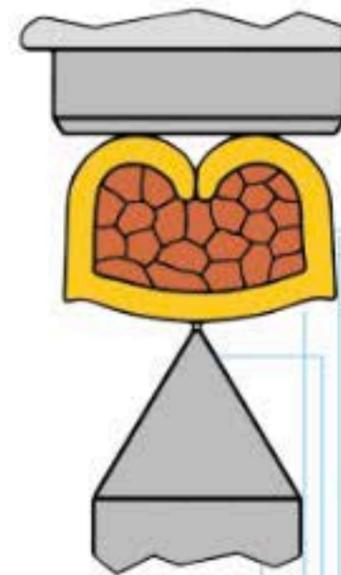
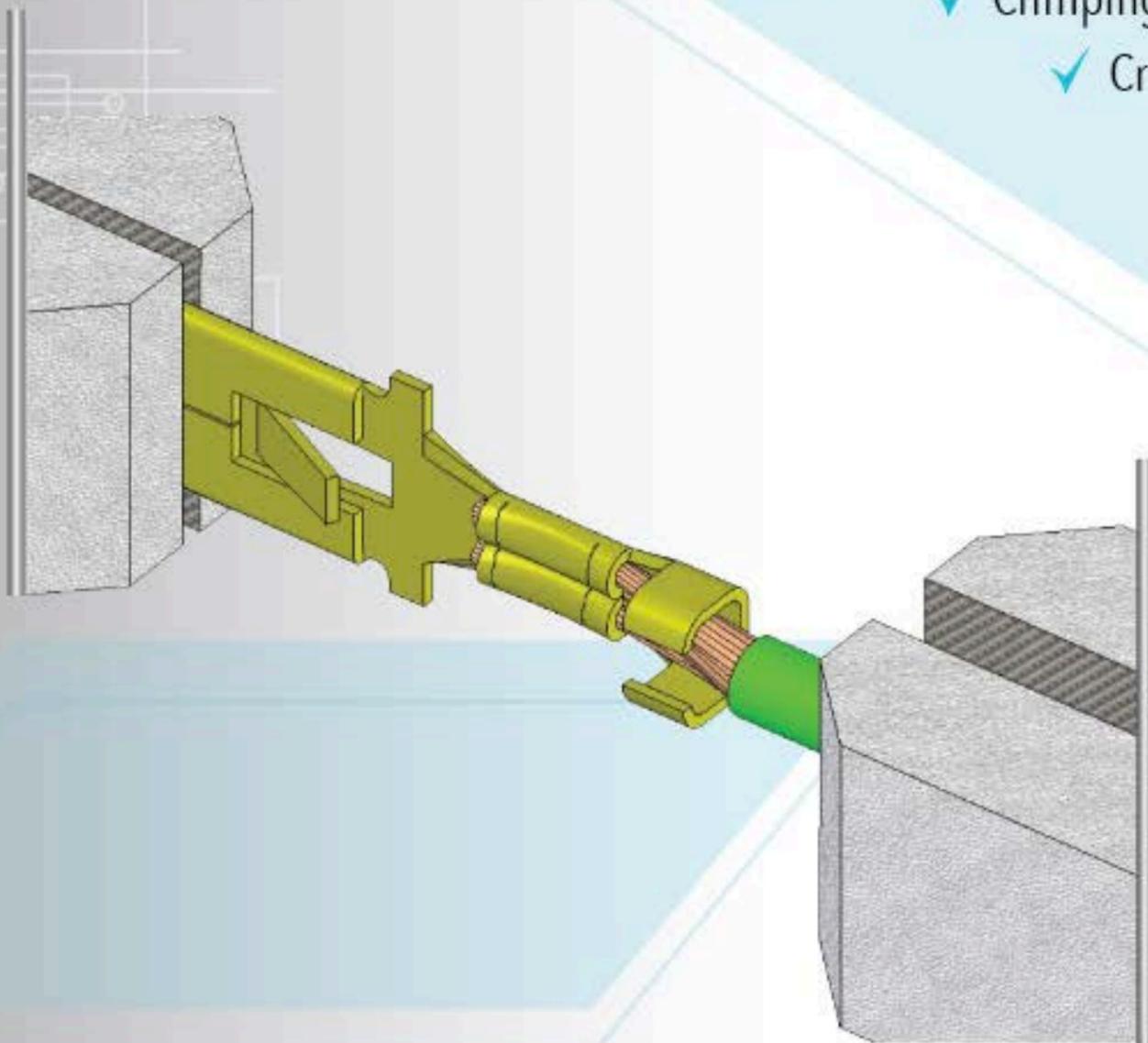
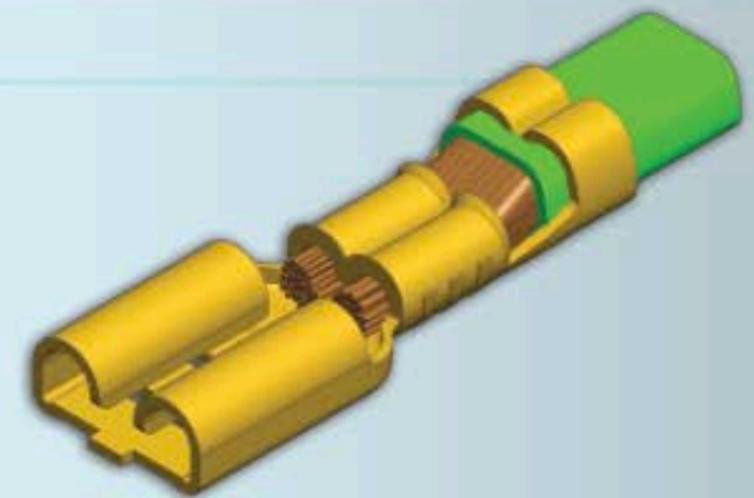
- ✓ DECKEL MAHO HSC 55-1 3D MILLING
- ✓ MIKRON CNC MILLING
- ✓ JUNG SURFACE GRINDING
- ✓ WASINO OPTICAL GRINDING

- ✓ AGIE CHARMILLES DIE SINKING EDM
- ✓ AGIE AC PROGRESS VP3 WIRE CUTTING EDM
- ✓ AGIE DRILL20 CNC HOLE DRILLING EDM



CRIMPING TECHNOLOGY

- ✓ Customer focused service and solutions
 - ✓ Crimping support
 - ✓ Crimping press and tool production
 - ✓ Crimp cross section measurement
 - ✓ Crimp tests and reports
 - ✓ Microsection report

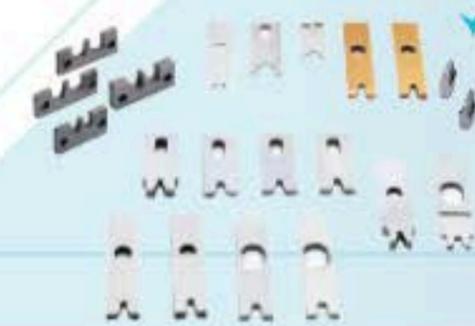


CRIMPING TECHNOLOGY



Crimping Presses

- ✓ Semi-automatic crimping presses (for bench top use)
- ✓ Quiet and easy to use
- ✓ With lighting lamps and plastic housing
- ✓ Daily resettable counter up to 100 million counts



Tooling Sets

- ✓ Standard tooling sets
- ✓ Production to customized measurements
- ✓ Wear-resistant parts



Mini Applicator

- ✓ For connected terminals
- ✓ Fast production, increased productivity
- ✓ Mechanical step adjustment



OUR QUALITY STANDARDS

“WE USE THE LEADING EDGE QUALITY EQUIPMENT...”

We maintain all the necessary quality management systems and product certifications

Our production is based on international standards such as DIN, EN and IEC

Our products have VDE, UL and TÜV certifications



ISO 9001:2015 Quality Management Certificate



IATF 16949:2016 Automotive Quality Management Certificate



VDE Product Technical Certificates



UL Product Technical Certificates



TÜV Product Technical Certificates



EAC Product Technical Certificates for Russia



RoHS/REACH Analysis and Declaration



QUALITY METHODS

Pre-production and in-production quality checks according to product control plans



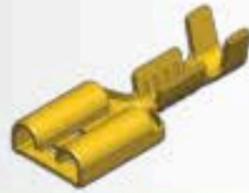
PPAP Documentations	✓
Measuring	✓
Controls and Tests	✓
Video Control	✓

Measurement, control and verification according to European standards



PRODUCT GROUPS

RECEPTACLES



FLAG
TERMINALS



LIF TERMINALS



SPECIAL PURPOSE
TERMINALS



TUBULAR SOCKET
TERMINALS



TUBULAR PLUG
TERMINALS



RING
TERMINALS



SPADE TONGUE
TERMINALS



END SPLICES



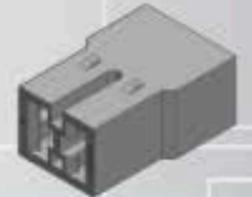
RING TONGUE
TERMINALS



TABS



TERMINAL HOUSINGS &
SLEEVES



SLEEVED TABS



PCB HOUSINGS



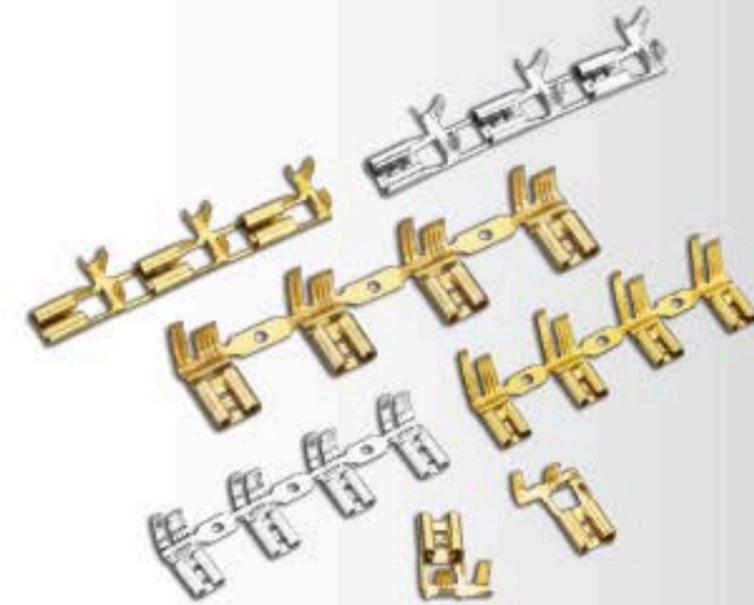
OTHER PRODUCTS



RECEPTACLES



FLAG TERMINALS



LIF TERMINALS



SPECIAL PURPOSE TERMINALS



TUBULAR SOCKET TERMINALS



TUBULAR PLUG TERMINALS



RING TERMINALS



SPADE TONGUE TERMINALS



END SPLICES



RING TONGUE TERMINALS



TABS



TERMINAL HOUSINGS & SLEEVES



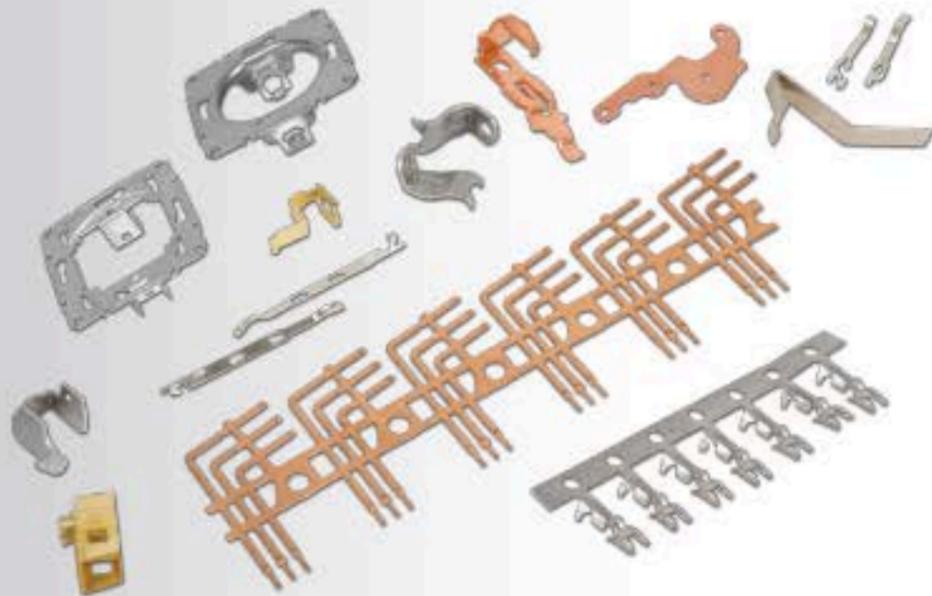
SLEEVED TABS



PCB HOUSINGS



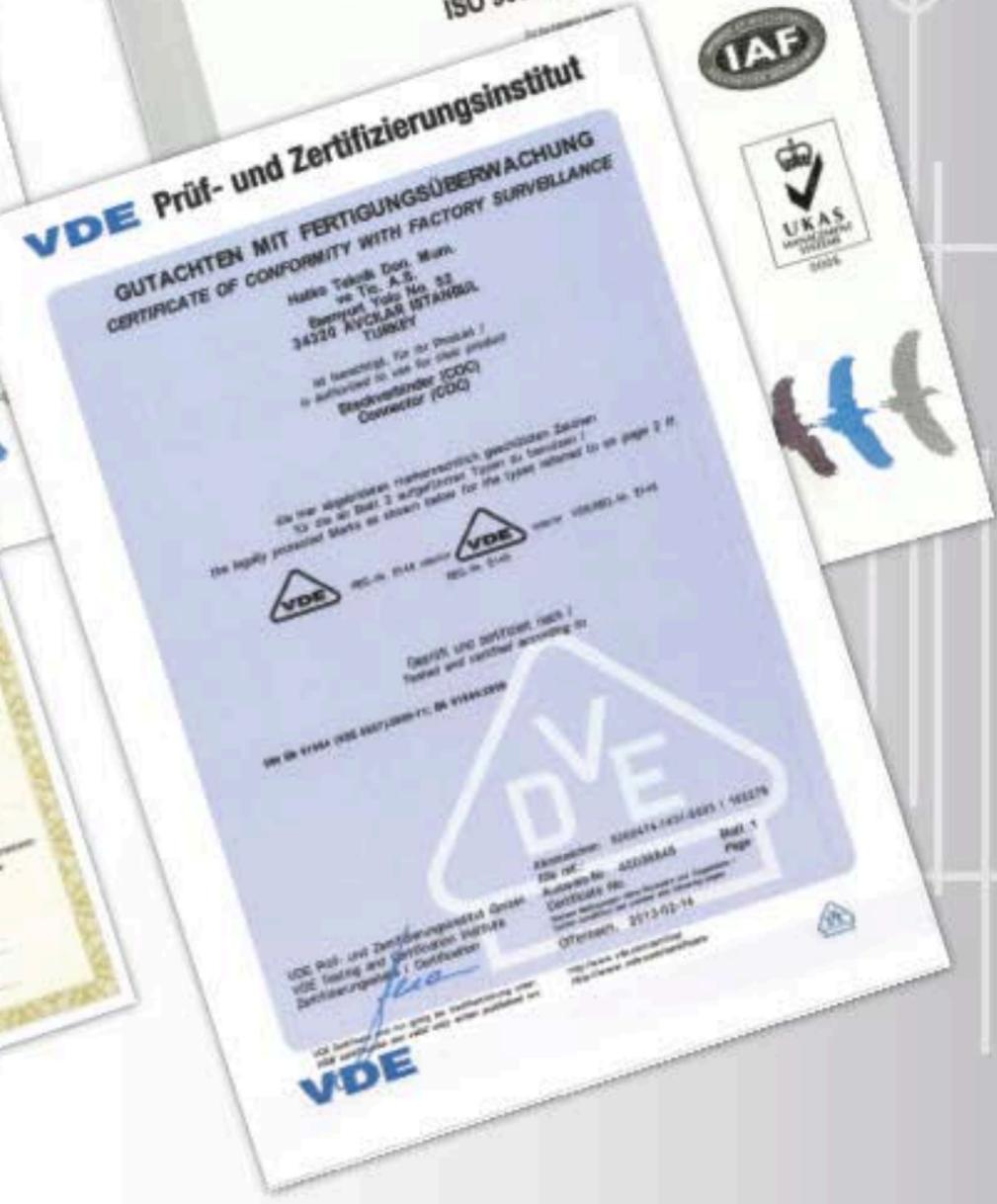
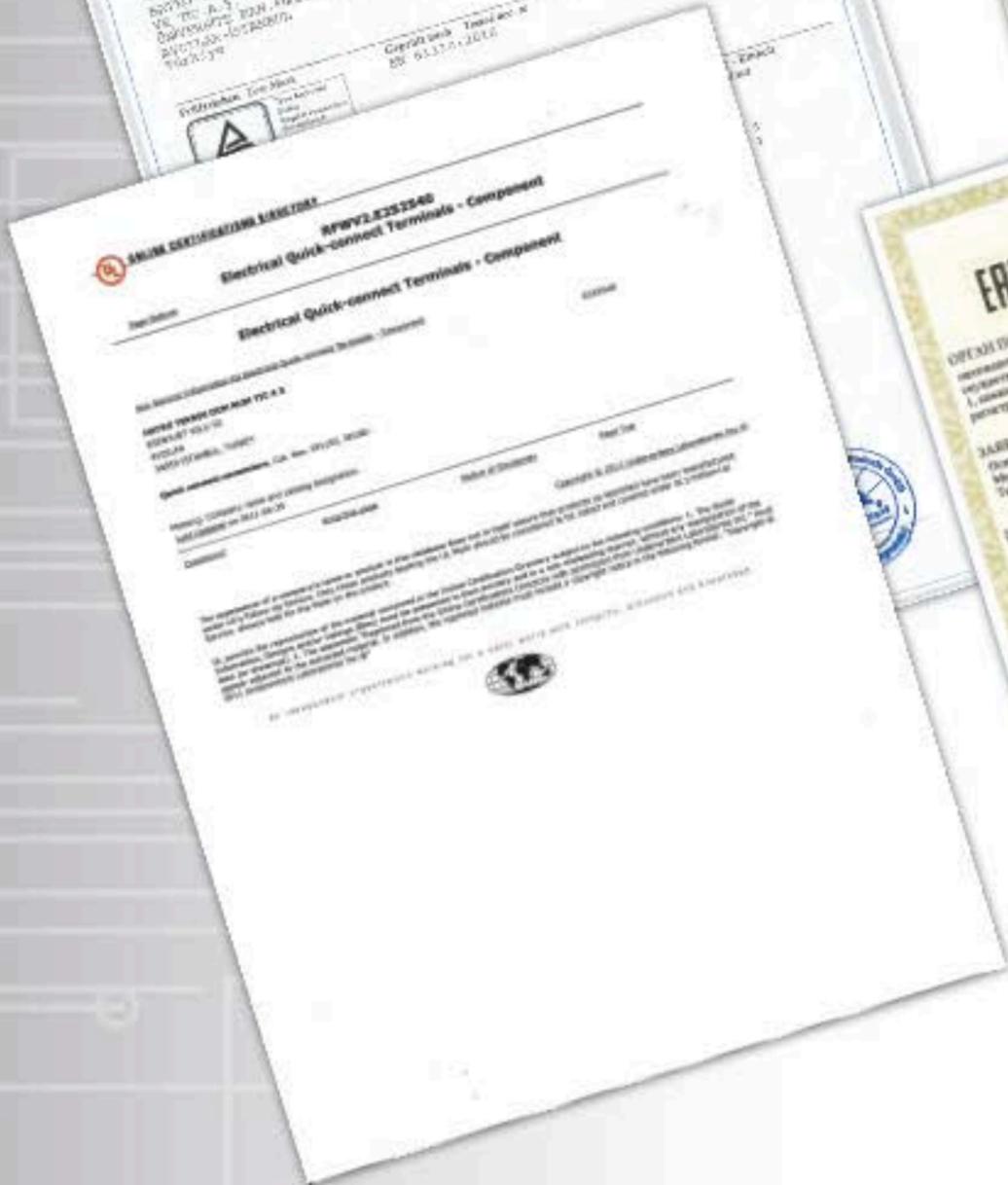
SPECIAL PRODUCTS



OTHER PRODUCTS



ASSEMBLED PRODUCTS



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Metal Kaplama

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