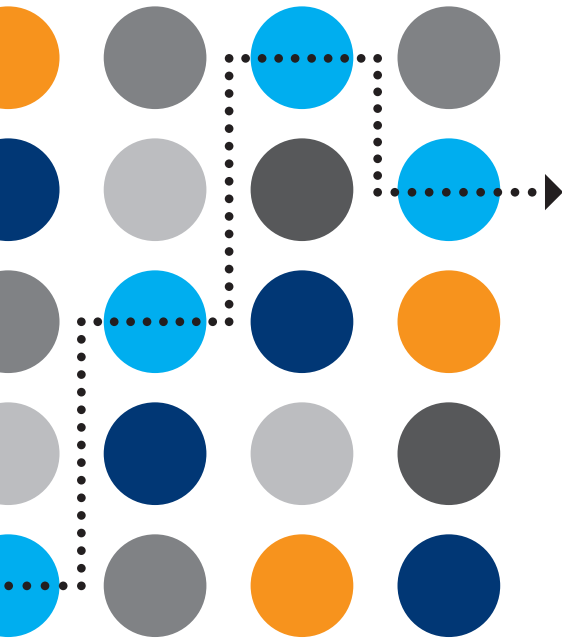


Industrial Surface Solutions



SUCCESSFUL SOLUTION
MADE WITH EXPERTISE



COATING • BRAZING • FUNCTIONALLY OPTIMIZED COMPONENTS

Consulting • Engineering • Service



>> Innovative Materials and Surface Technologies <<

OUR SOLUTIONS

We offer solutions using innovative surface and materials technologies:

Resistance against wear, impact, oxidation and corrosion

Compounds of metals, light metals, ceramics and cermets

Possible Properties:

Cooling • electrical isolation • heat resistance • gripping

sticking • non sticking • low friction • thermal isolation • sensorics • ...

YOUR PROFIT

A one-stop shop for consulting, engineering and production.

The early usage of our expertise in the field of materials and surface technologies reduces costs and expedites the development of new products and processes.

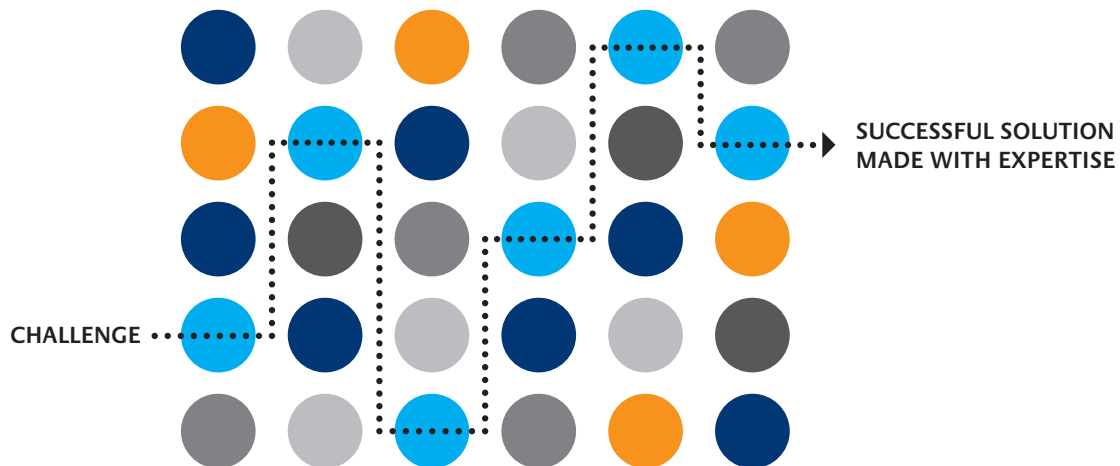
COATING • BRAZING • FUNCTIONALLY OPTIMIZED COMPONENTS

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Our Solutions: Your Advantages

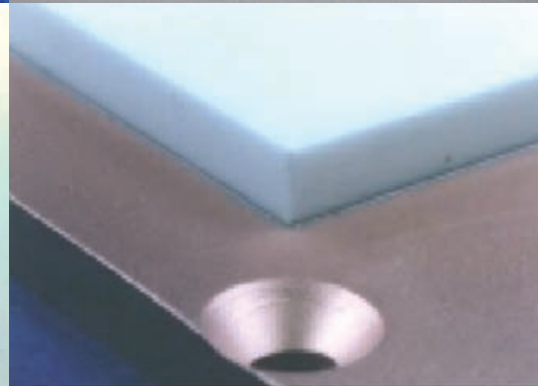
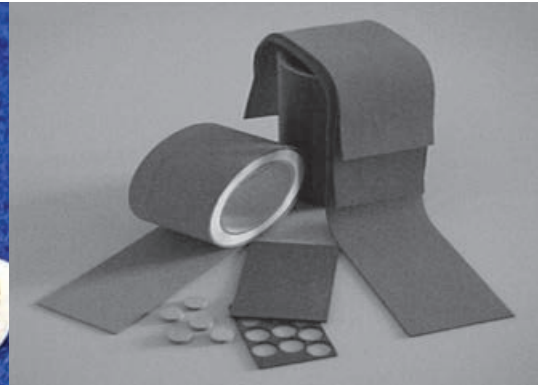
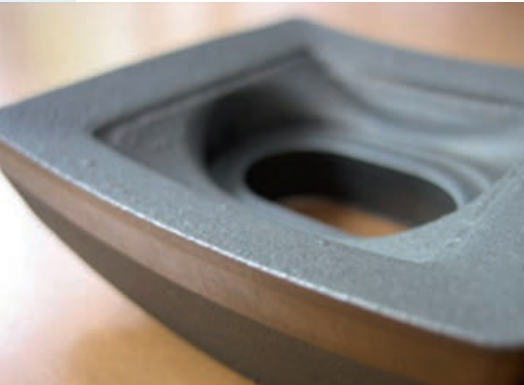
YOUR ADVANTAGES

- Specific knowhow of globally recognised experts
- Use of the most up to date research and technology available
- Direct transfer onto production facilities
- Short term resources for engineering available
- Costs and times able to be planned
- Market focussed transfer of complex tasks
- Tailor-made qualification





>> Innovative Materials and Surface Technologies <<



COATING • BRAZING • FUNCTIONALLY OPTIMIZED COMPONENTS

Consulting • Engineering • Service

Competence and Technology



OUR SERVICE

- Consultancy and concepts
- Engineering, development of processes and prototyping
- Coating, brazing, bonding and heat treatment

WE ANSWER YOUR QUESTIONS

We connect expertise with customer needs and develop tailor-made solutions to meet your requirements.

Our achievements include successful solutions in product processes and productions in a wide range of applications for a diverse variety of customers.

Trust our excellent experts, years of experience, extensive knowhow and innovative technology.

**Employment of environmentally and long lasting technology
in line with the newest standards, rules and regulations**

PRECISE MECHANICAL MACHINING
OF SUPER-HARDENED SURFACES



THERMAL SPRAYING



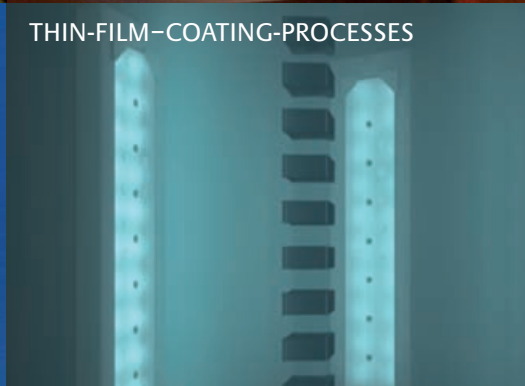
FURNACES FOR VACUUM, PROTECTION
AIR GAS AND DEBINDING



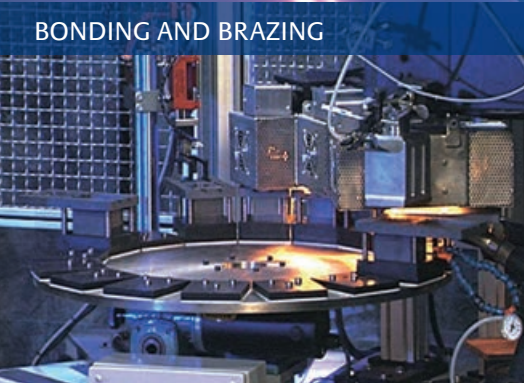
EB-WELDING



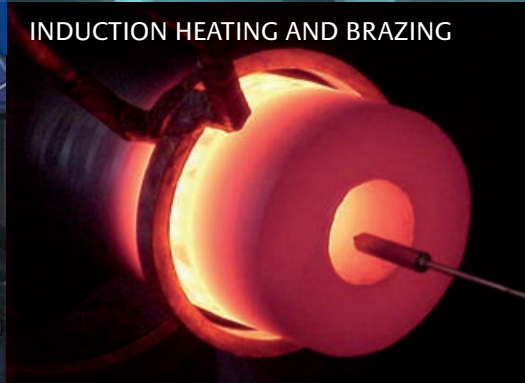
THIN-FILM-COATING-PROCESSES



BONDING AND BRAZING



INDUCTION HEATING AND BRAZING



COLD WELDING OPERATION



The Technical Implementation



- PVD-Coatings
- Plasma spraying, High-Velocity-Flame-Spraying, Flame Spraying with Powder and Wire, Arc Spraying
- Cold Welding and Deposit Welding
- Coating with Tapes and Suspensions
- High Temperature Oxidation Surface Protection
- Bonding of thermally sensitive materials without heavy metals and flux regarding RoHS standards and WEEE. Bonding temperatures ranging from 100 °C up to 450 °C
- High Temperature Oxidation Surface Protection
- Heat Treatments
- Nitriding, Carborizing, Nitro-Carburizing, Oxidation
- EB-Welding
- MIM-Technology
- Precise mechanical machining
- Metallography and Measurement Systems

**Extensive knowledge of processes and technology
for consultancy, engineering and production**

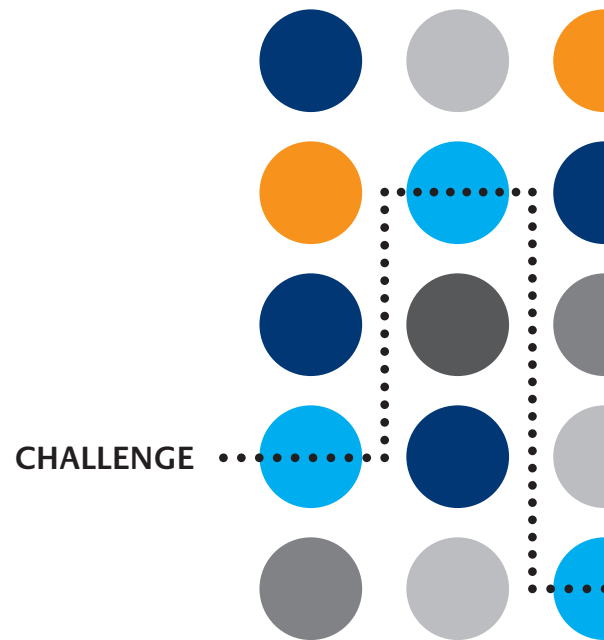


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