



THERMAL SYSTEMS



Medicine. Technology. Life.

Your partner for medical technology

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»» HOSPITAL TECHNOLOGY »» MEDICAL DEVICES »» DIAGNOSTIC IMAGING »» SENSOR TECHNOLOGY »»



Your partner for process solutions

Medical technology

Germany is considered a high-tech location for medical technology. The need for highly developed devices for medical care is the basis for a long and healthy life in an ageing society.

The broad spectrum of medical technology relies on numerous key technologies. These include microsystems technology, nanotechnology, optical technologies and information and communication technology applications. One of the greatest challenges of medical technology in the coming decades will be to enable people to live independently into old age.

Innovations such as wheelchairs that can be controlled via the ear muscles, contact lenses that measure blood sugar or implantable, intelligent eye lenses as well as implanted sensor technology for early detection will increasingly be used for treatment and diagnostics.

- › **7000**
Production machines in the field
- › **600**
Creative minds for your requirements
- › **30**
Years as a technology leader
- › **8**
Process areas for your technology

WITH THE RIGHT SYSTEM INTO A SECURE FUTURE

Thermal processes with or without vacuum

Reliable connections for high-mass components

- › High heat transfer
- › Large masses
- › Small delta T
- › Process reliability
- › Void-free soldering



Condenso | Vapor Phase Soldering

Soldering of electronic assemblies with vacuum for void reduction

- › Lower operating temperatures
- › Better heat transfer
- › Extended service life



VisionXP+ Vac | Convection Soldering

The 3-in-1 solution for safe soldering processes – even with complex boards

- › Efficient heating of high thermal masses
- › Safe process design
- › High flexibility in profiling



TripleX | Convection Soldering

Material application and drying | Curing

Different material application methods

- › Bonding, dispensing and potting
- › Selective Conformal Coating
- › 3D Filling
- › Micro-dispensing
- › Bonding of SMD components
- › Underfill



Protecto | Coating