



THERMAL SYSTEMS



# Medicine. Technology. Life.

Your partner for medical technology



»» SAFETY »» AUTOMATION »» TRACEABILITY »» MEDICAL DEVICES »»



## WITH THE RIGHT SYSTEM INTO A SECURE FUTURE

### Thermal processes with or without vacuum

#### High-mass electronic for High-Performance Devices

- › 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

- › Durable and reliable electronics
- › Extends the solder joint's lifespan
- › Increased safety for patients



**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

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.

From healthcare to self-care with flexible and sensitive electronics in wearables, massive boards in medical imaging, the ongoing miniaturization in implants, or even catheters for minimally invasive therapies – the spectrum of medical technology relies on solutions that must meet the highest standards in all areas.

- › **7000**  
Production machines in the field
- › **600**  
Creative minds for your requirements
- › **33**  
Years as a technology leader
- › **8**  
Process areas for your technology

## 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

RDS UV | Drying/Hardening

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