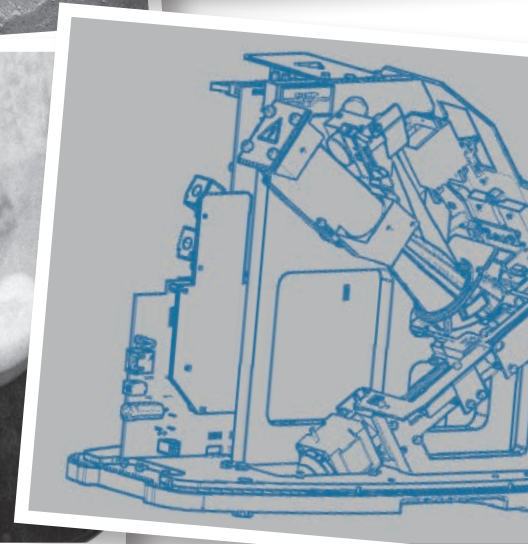
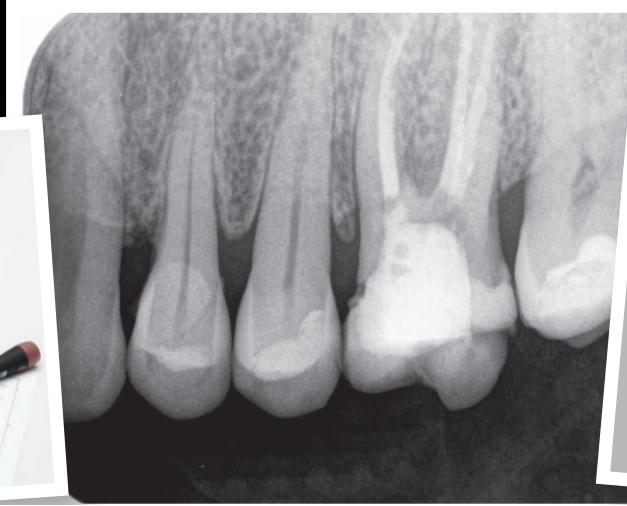
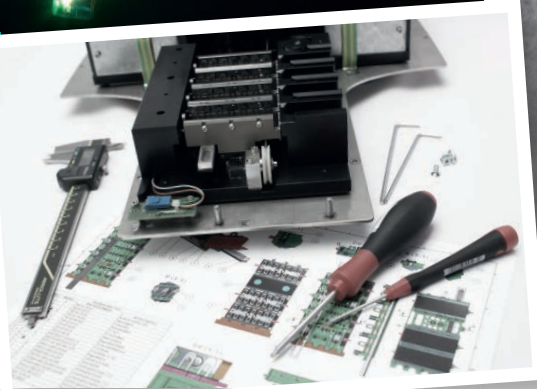
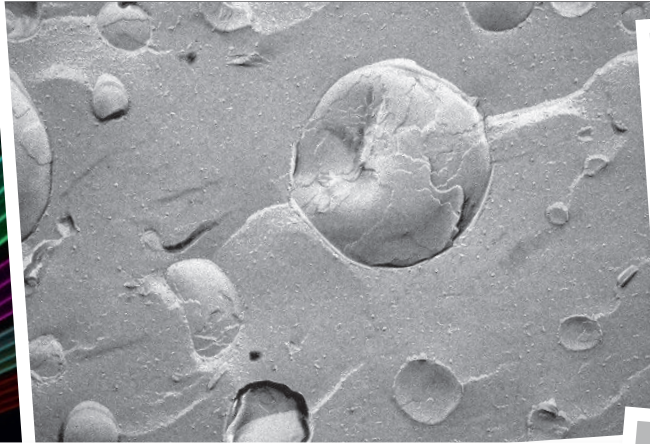




Your partner for OEM solutions



The OEM expert

Made in Germany

Development

Production

Certifications

Medical Devices

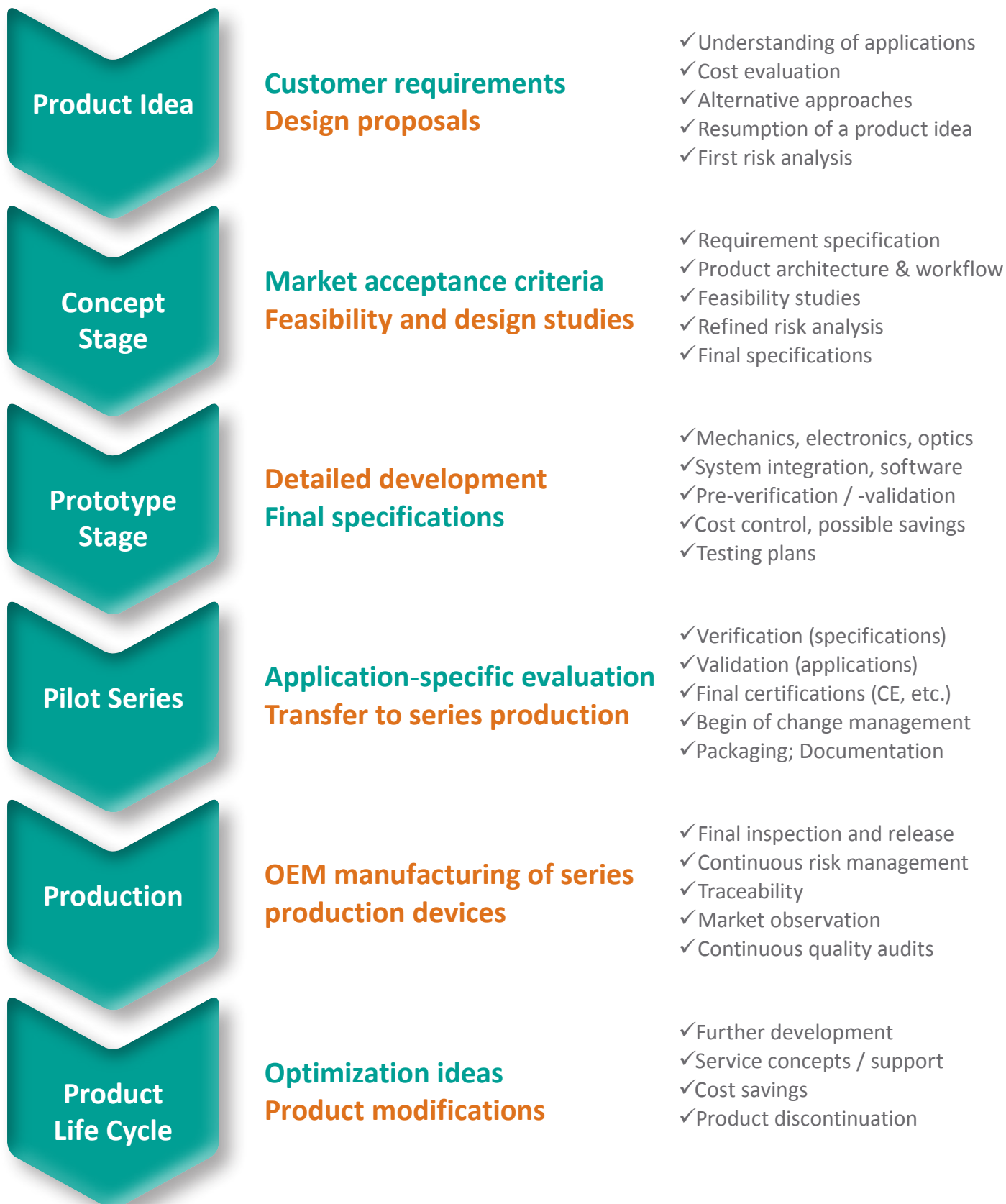
Lab Instruments

In Vitro Diagnostics

DITABIS, the full OEM service partner

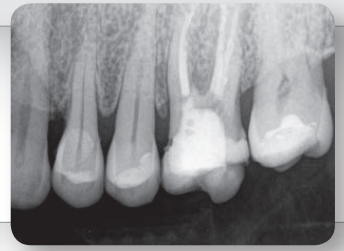
- One partner for development, production and certifications
- 18 years experience in development of medical and lab technology
- Cost control based on process optimization
- Shortest time-to-market due to flexible structures and flat hierarchy
- Support for worldwide approvals and certifications
- Highest quality standards according to ISO 9001/13485

The mutual way of our OEM partner and the DITABIS team:

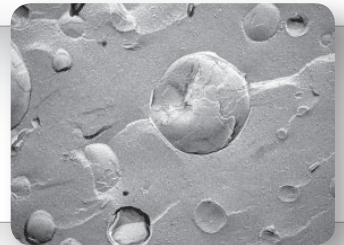


Project examples for OEM products & technologies

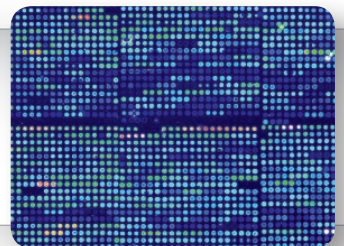
Dental imaging system based on computed radiography



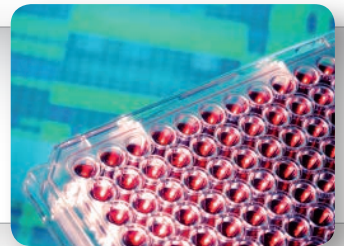
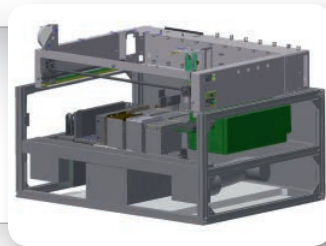
Imaging system based on imaging plates for life sciences and material sciences



Fluorescence scanner for biochip applications in research and diagnostics (IVD)



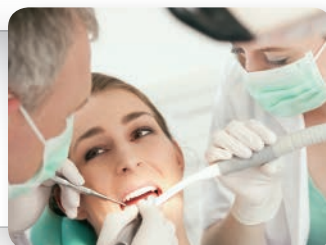
Automatized robotic system for chemosensitive samples



Dental electrophoresis device for manufacturing of tooth crowns



Microprocessor controlled **medical device for grinding and aspiration (POC)**



Lab instruments like thermo shakers, aspiration systems for life sciences, diagnostics and chemistry



Core competencies

Engineering	Electronic & Software	Optics, Detection, Image Analysis
Sophisticated mechanics and automation	Complex analogue and digital circuits; EMC/ESD know-how	Fluorescence and luminescence detection, Photometry
3D construction with INVENTOR® (AutoCAD) 3D-data import/export (CAD-CAM)	From measurement up to power electronics preferably as SMD multilayer; motor expertise	Imaging plate technology for medicine, science and industry
Precision engineering, plastics technology, rapid prototyping, CNC sheet metal technology, "new" materials	Data communication on-board and with environment (USB, Ethernet, WLAN, etc.)	PMT-, CCD-, CMOS-detectors, Optical sensors, other sensors
Feasibility prototypes on component and system level Design of intelligent test & manufacturing equipment	Selection of varied μ -controller systems and advanced FPGA solutions; EAGLE, etc., simulations	Design of the optical paths a.o. with simulation software "FRED" (lenses, filters, mirrors, reflectors)
Interdisciplinary work of all development disciplines starting from concept phase	Visual Studio, C#, C, C++, LabView, UML, etc.	PC-based image processing and/or linking with exist. analysis SW
Design and Ergonomics	Quality & Certifications	Project Management & Production
Several design awards for housings and user interfaces	Quality management DIN EN ISO 9001 (laboratory, life sciences)	One project manager as primary contact person from concept to series & life cycle management
Metal sheet/plastics/ injection moulding housings; a.o. touch panel glass fronts	Quality management DIN EN ISO 13485 (medical technology and in vitro diagnostics)	Idea, design, feasibility tests, requirements (OEM), specifications, development, verification, validation, approvals, product life cycle
LCD displays and/or PC control; intelligent ergonomic user interfaces	Safety/Risk management IEC 60601, IEC 61010 IEC 62304, ISO 14971, etc.	ERP-based world-wide purchase of components and production parts; long-term audited suppliers
Profound application knowledge of our scientists (PhD) for product application itself	EU Directives 89/336/EWG 93/42/EWG 98/37/EG, 98/79/EG	Complete series production incl. all test steps and extensive final testing (individual release of the test results by OEM customer if applicable)
Adaptation/integration to/into the design of our OEM customer (CI)	CE, UL, (FDA, CSA), etc. FMEA, risk analysis, etc. Integration into the QM system of OEM customer	Packaging development; integration of customer accessories (a.o. country-specific kits)

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