

Düsseldorf 18/11-21/11/19

1	Manufacturing of components
1.1	Electronic manufacturing services (EMS)
1.1.1	Electronics designing
1.1.2	Electronics development Electronics manufacturing
1.1.3 1.1.4	Elektronics assembly
1.1.5	Elektronics testing
1.1.6	Cable assembly
1.1.7	Electronis full service
1.2	Plastics processing
1.2.1 1.2.2	Injection molding Extrusion
1.2.3	Polyurethane processing (PUR)
1.2.4	Plastic welding
1.2.5	Plastics processing full service
1.3	Toolmaking, mold making
1.4	Metal machining processing
1.4.1 1.4.2	Molding Forging
1.4.3	Metal cutting, chip removal
1.5	Surface treatment
1.5.1 1.5.2	Mechanical surface refinement Thermic surface finishing
1.5.2	Surface coating
1.5.5	Surface coating
1.6	Laser processing
1.6.1 1.6.2	Laser cutting Laser welding
1.6.3	Laser marking
1.7	Additive manufacturing, 3D printing
1.8	Rapid prototyping
1.9	Other component manufacturing
2	Manufacturing of finished products
2.1	Therapeutic products, medical technical aids
2.2	Catheters
2.3	Cannula
2.4	Stents
2.5	Needles
2.6	Surgical intruments
2.7	Implants (passive)
2.8 2.8.1 2.8.2 2.8.3 2.8.4	Implants (active) Cardiac pacemakers Defibrillators Cochlea implants Neuro-stimulators

2.8.5	Insuline pumps
2.9	Electromedical devices
2.10	Endoscopes
2.11	Wearables
2.12	Dental products
2.13	OR infrastructure
2.14	Rehabilitation technologies
2.14.1	Orthopaedic aids
2.14.2	Mobility aids, walking aids
2.15	In-vitro diagnostics (IVD)
2.16	Laboratory technologies
2.16.1	Lab-on-a-chip
2.16.2	Laboratory automation
2.16.3	Liquid handling
2.16.4	Pipettes
2.16.5	Pipettes systems
2.17	Biomedical products
2.18	Other finished products
3	Services
3.1	Financing and funding
3.2	Consulting (services)
3.2.1	Market access, internationalization
3.2.2	Patents, intellectual property (IP)
3.2.3	Education, training
3.2.4	Regulatory affairs
3.2.5	Documentation
3.2.6 3.2.7	Clinical rials Medical device approval
3.3	Research
3.4	Design and development
3.4.1	Product design, product development
3.4.2	Packaging design, packaging development
3.4.3	Production layout
3.5	Assembly
3.6	Contract packaging
3.7	Labeling
3.8	Sterilization
3.9	Testing services
3.9.1	Material testing
3.9.2 3.9.3	Functional testing Environmental testing
3.9.4	Safety testing
3.3.4	Janety testing

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3.9.5 3.9.6	Certification Auditing
3.10	Other services
4	Manufacturing equipment
4.1	Injection molding machines
4.2	Extruders
4.3	Machine tools and peripheral equipment
4.4	Laser processing equipment
4.5	Additive processing equipment, 3D printers
4.6	Automation, robotics
4.7	Assembly systems
4.8	Dosing
4.9	Cleanroom technology
4.10	Enterprise Resource Planning (ERP), Manufacturing Execution System (MES)
4.11 4.11.1 4.11.2 4.11.3	Quality assurance Computer aided quality assurance (CAQ) Quality measurement systems (QMS) Measuring technolgy, testing technology
4.12	Packaging machines
4.13 4.13.1 4.13.2	Labeling machines Product labeling Packaging labeling
4.14	Other manufacturing equipment
5	Components, modules, OEM equipment
5.1	Electrical motors
5.2	Pneumatic actuators
5.3	Linear technology
5.4	Plain bearings, rolling bearings
5.5	Pumps
5.6	Valves
5.7	Filters
5.8	Optical components
5.9	IV components

5.10	Construction elements
5.11	Wire guide
5.12	Tubings and tubing equipment
5.13	Other components, modules, OEM equipment
6	Electrical components, electronical components
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6.1	Sensors
6.1.1 6.1.2	Distance sensors, displacement sensors Imaging sensors
6.1.3	Biosensors
6.1.4	Pressure sensors
6.1.5	Flow sensors
6.1.6	Gas sensors
6.1.7	Temperature sensors
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6.2	Electromechanical components
6.2.1	Cables
6.2.2	Plugs, connectors
6.2.3	Enclosures
6.2.4	Switches
6.3	Electrooptical components
6.4	Semiconductors, integrated circuits (IC)
6.4.1	Microprcessors
6.4.2	Microcontrolers
6.4.3	Application-specific integrated circuits (ASICs),
	custom chip
6.4.4	RFID chips
6.5	Circuit boards
6.6	Organic electronics
6.7	Embedded systems
6.8	Power supply
6.8.1	Batteries
6.8.2	Accumulators
6.8.3	Power supply equipment
6.8.4	Uninterruptible power supply (UPS)
6.8.5	Fuel cells
6.8.6	Energy harvesting
6.9	Lamps
6.10	LED technology
6.11	Displays
6.12	Imaging systems
6.13	Camera systems
6.14	Other electrical / electronical components

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7	Microtechnology
7.1	Mechatronics
7.2	Micromechanics
7.3	Microactors
7.4	Microsensors
7.5	Microelectronics
7.6	Microoptics
7.7	Microfluidics
7.8 7.8.1 7.8.2 7.8.3 7.8.4	Microprocessing Micromolding Printed electronics Laser structuring Etching
7.9	Microassembly
7.10	Nanotechnology
7.11	Other microtechnology
8	Raw materials, materials, adhesives
8.1	Plastics
8.2	Metals
8.3	Ceramics
8.4	Composites
8.5	Semi-finished products
8.6	Glass
8.7	Packaging materials
8.8	Adhesives
8.9	Other raw materials, materials, adhesives
9	Software, IT
9.1	Imaging
9.2	Augmented reality, virtual reality (VR)
9.3	Software development
9.4	Software as a medical product
9.5	E-Health
9.6	Medical apps

9.7	Data security
9.8	Cyber security
9.9	WiFi, radio transmission
9.10	Remote maintenance, predictive maintenance
9.11	Cloud services
9.12	Big data
9.13	Other software, IT