**1****Components, parts, modules,
Original Equipment Manufacturers**

- 1.1 Stopcocks
- 1.2 Adaptors
- 1.3 Anaesthesia products, rubber
- 1.4 Balloons, elastomeric ballons, angioplasty
- 1.5 Containers
- 1.6 Bags
- 1.7 Blow-moulded components
- 1.8 Biomedical machined parts
- 1.9 Computing, Hardware and Peripherals
- 1.10 Computing, Software
- 1.11 Dental products
- 1.12 Diagnostic kit components
- 1.13 Diaphragms
- 1.14 Gaskets, seals
- 1.15 Dilators
- 1.16 Pressure-sensitive components
- 1.17 Endoscope parts
- 1.18 Enteral systems
- 1.19 Fibre components, custom-bonded
- 1.20 Springs, coiled
- 1.21 Guidewires
- 1.22 Semiassembled components
- 1.23 High-frequency surgical hand grips
- 1.24 RF-welded devices
- 1.25 Infusion sets
- 1.26 Intravenous sets
- 1.27 Intubation tubes, introducers
- 1.28 Cannulae
- 1.29 Caps
- 1.30 Clamps
- 1.31 Blades and scalpels
- 1.32 Force springs
- 1.33 Couplings, plastic
- 1.34 Transfer devices
- 1.35 Lamps
- 1.36 Regulators
- 1.37 Roller bearings
- 1.38 Oxygen supply systems
- 1.39 Silicone components
- 1.40 Syringes and syringe plunger tips
- 1.41 Moulded parts
- 1.42 Stents
- 1.43 Plugs
- 1.44 Transdermal products
- 1.45 "T" Connectors
- 1.46 Connectors, stepped
- 1.47 Connectors, cardio-surgery
- 1.48 Connectors, catheter
- 1.49 Connectors, female and male-luer
- 1.50 Connectors, trocar
- 1.51 Connection lines
- 1.52 Composite tubing / catheter subsystems
- 1.53 Manifolds
- 1.54 "Y" Connectors

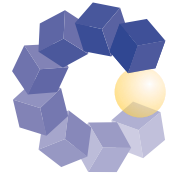
2**Electrical and electronic components**

- 2.1 Actuators
- 2.2 Batteries
- 2.3 Wires

- 2.4 ECG electrodes, distributors, cable systems, plugs
- 2.5 Electrical instrumentation
- 2.6 Electrodes
- 2.7 EMI / RFI Shielding
- 2.8 Fiberoptics
- 2.9 Blowers, brushless DC / AC
- 2.10 Inductors
- 2.11 Instrumentation Control and QC
- 2.12 Cables (special cables, diagnosis cables)
- 2.13 Capacitors
- 2.14 Cable assemblies
- 2.15 Transducers
- 2.16 Micro actuators
- 2.17 Motors, brushed DC
- 2.18 Motors, brushless DC
- 2.19 Motors, electromagnetic
- 2.20 Micro motors
- 2.21 Motors, induction AC
- 2.22 Motors, linear
- 2.23 Motors, permanent magnet
- 2.24 Motors, variable speed
- 2.25 Tweezer cables
- 2.26 Application specific integrated circuits
- 2.27 Printed circuit boards
- 2.28 Switches
- 2.29 Sensors
- 2.30 Pressure sensors
- 2.31 Sensors, Finger pulse sensors, ear pulse sensors
- 2.32 Sensors, Micro sensors
- 2.33 Sensors, Silicone sensors
- 2.34 Sensors, SpO2 sensors
- 2.35 Sensors, touch screen
- 2.36 Sensors, vacuum pressure sensors
- 2.37 Sensor cables
- 2.38 Servo motors, AC/DC
- 2.39 Connectors
- 2.40 Plugs, plug systems
- 2.41 Circuit-protection equipment
- 2.42 Power supplies, power protection systems, power converters
- 2.43 Thermistor assemblies
- 2.44 TOCO transducer and US transducer
- 2.45 Transformers
- 2.46 Servo amplifiers
- 2.47 Resistors

3**Tubings and tubing equipment**

- 3.1 Anaesthesia tubings
- 3.2 Antistatic tubings
- 3.3 Bloodlines tubings
- 3.4 Blood transfusion tubings
- 3.5 Co-extruded tubings
- 3.6 Wire coated tubings
- 3.7 Wire reinforced tubings
- 3.8 Triple layered tubings
- 3.9 Pressure tubings
- 3.10 Thin walled tubings
- 3.11 Transparent tubings
- 3.12 Stainless steel tubings
- 3.13 Single lumen tubings
- 3.14 Elastomer tubings, engineered thermoplast tubings
- 3.15 ETFE tubings



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- 3.16 FEP tubings
- 3.17 Filament braided tubings
- 3.18 Lay-flat tubings
- 3.19 Braided tubings
- 3.20 Etched tubings
- 3.21 IV tubings
- 3.22 Catheter tubings
- 3.23 Nonkinking tubings
- 3.24 Nonlatex tubings
- 3.25 Multilayer tubings
- 3.26 Metal tubings
- 3.27 Miniature tubings
- 3.28 Multilumen tubings
- 3.29 Needle tubings
- 3.30 Nylon tubings
- 3.31 PEEK tubings
- 3.32 Peristaltic pump tubings
- 3.33 PTFE tubings
- 3.34 Polyamide tubings
- 3.35 Polycarbonate tubings
- 3.36 Polyethylene tubings
- 3.37 Polyimide tubings, coated and uncoated
- 3.38 Polypropylene tubings
- 3.39 Polyurethane tubings
- 3.40 PVC tubings
- 3.41 X-ray contrast tubings
- 3.42 Tubing tipping
- 3.43 Tubing cutters, tubing hole cutting machines
- 3.44 Silicone tubings
- 3.45 Radiopaque tubings
- 3.46 TFE tubings
- 3.47 Thermoplastic elastomer tubings
- 3.48 Vacuum tubings
- 3.49 Composite tubings
- 3.50 Heat shrink tubings
- 3.51 Corrugated nonkinking tubings

4

Filter

- 4.1 Filters, respiratory
- 4.2 Filters, bacteriological
- 4.3 Filters, reservoirs
- 4.4 Filters, incoming water
- 4.5 Filters, vent
- 4.6 Filters, housing
- 4.7 Filters, supports
- 4.8 Filters, filtration media
- 4.9 Filters, syringe
- 4.10 Filters, glass fibre
- 4.11 Filters, HEPA
- 4.12 Filters, hydrophilic
- 4.13 Filters, hydrophobic
- 4.14 Filters, insert-moulded
- 4.15 Filters, membrane
- 4.16 Filters, microinfusion
- 4.17 Filters, screen
- 4.18 Filters, suction
- 4.19 Filters, viral
- 4.20 Filters, prefilter media
- 4.21 Filters, Swabs
- 4.22 Filters, accessories
- 4.23 Membranes

5

Pumps

- 5.1 Pumps, chemically inert
- 5.2 Pumps, metering
- 5.3 Pumps, centrifugal
- 5.4 Pumps, compressor
- 5.5 Pumps, diaphragm
- 5.6 Pumps, micro
- 5.7 Pumps, peristaltic
- 5.8 Pump systems
- 5.9 Pump vacuum
- 5.10 Pump syringe
- 5.11 Pumps, oilless
- 5.12 Pumps, positive displacement

6

Valves

- 6.1 Valves, isolation
- 6.2 Valves, chemically inert
- 6.3 Valves, flow control
- 6.4 Valves, solenoid
- 6.5 Valves, diaphragm
- 6.6 Valves, micro
- 6.7 Valves, miniature
- 6.8 Valves, needle
- 6.9 Valves, proportional
- 6.10 Valves, pinch
- 6.11 Valves, check
- 6.12 Valves, switching
- 6.13 Valves, servo
- 6.14 Valves, relief
- 6.15 Valves, vacuum pressure
- 6.16 Valve panels, valve enclosures, housings
- 6.18 valve Functional parts

7

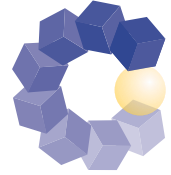
Catheters

- 7.1 Catheters, angioplasty
- 7.2 Catheters, balloon
- 7.3 Catheters, epidural
- 7.4 Catheters, cardiac
- 7.5 Catheters, polyethylene
- 7.6 Catheters, polyurethane
- 7.7 Catheters, silicone
- 7.8 Catheters, urological
- 7.9 Catheter vents

8

Needles

- 8.1 Needles, amniocentesis
- 8.2 Needles, biopsy
- 8.3 Needles, blood-donation
- 8.4 Needles, epidural and haemodialysis
- 8.5 Needle catheter introducers
- 8.6 Needles, specials
- 8.7 Needles, ophthalmic
- 8.8 Needles, pudendal block and suture



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9

Raw materials and adhesives

- 9.1 ABS
- 9.2 Coatings, antimicrobial
- 9.3 Coatings, biocompatible
- 9.4 Coatings, rubber
- 9.5 Coatings, metallisation
- 9.6 Coatings, lubricative
- 9.7 Coatings, others
- 9.8 Biodegradable polymers
- 9.9 Calcium hydroxyapatite
- 9.10 Copolymers
- 9.11 Dental materials
- 9.12 Various materials
- 9.13 Elastomers, thermoplastic
- 9.14 Fluoropolymers
- 9.15 Films
- 9.16 Gels
- 9.17 Glassware
- 9.18 Rubber
- 9.19 SEBS rubber
- 9.20 Resins, engineering
- 9.21 Ceramics
- 9.22 Adhesives, adhesive tapes
- 9.23 Alloys
- 9.24 Metals, alloys
- 9.25 Metals, copper and iron
- 9.26 Metals, precious
- 9.27 Metals, stainless steel
- 9.28 Metals, titanium
- 9.29 Metals, tungsten
- 9.30 Compounds
- 9.31 Nylons
- 9.32 Polyamide
- 9.33 Polycarbonate
- 9.34 Polyester
- 9.35 Polyethylene PE
- 9.36 Polypropylene PP
- 9.37 Polyurethane PU
- 9.38 Foams
- 9.39 Silicone
- 9.40 Custom bonded fibres
- 9.41 Bars, rods, plates, thermoplastic
- 9.42 Fabrics
- 9.43 Synthetic bone substitutes
- 9.44 Thermoplastics
- 9.45 Urethanes
- 9.46 Materials, semifinished, others
- 9.47 Composites
- 9.48 Nonwovens

10

Equipment and technologies for laboratories and manufacturing

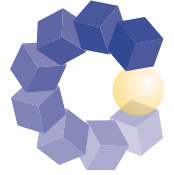
- 10.1** Laboratory equipment
- 10.1.1 Exhaust systems and exhaust fans
- 10.1.2 Automated analysis equipment
- 10.1.3 Chromatography and accessories
- 10.1.4 Detectors
- 10.1.5 Flow-control and flowmeters
- 10.1.6 HVAC systems
- 10.1.7 Blades
- 10.1.8 Cooling devices

- 10.1.9 Lab on a chip
- 10.1.10 Air filters
- 10.1.11 Air pressure monitors and controls
- 10.1.12 Materials testing
- 10.1.13 Meters, airflow, humidity and temperature
- 10.1.14 Micro fluidics
- 10.1.15 Micro dispensing
- 10.1.16 MFI - Melt flow index
- 10.1.17 Mixers
- 10.1.18 Ovens
- 10.1.19 Particle size and shape analysis
- 10.1.20 Pipettes
- 10.1.21 Cleaning and disinfection equipment
- 10.1.22 Clean rooms, equipment
- 10.1.23 Lighting
- 10.1.24 Keyboards and keypads
- 10.1.25 Curtains
- 10.1.26 Ultrasonic cleaning equipment
- 10.1.27 Vacuum equipment and systems

10.2

Manufacturing equipment

- 10.2.1 Analysers
- 10.2.2 Automation systems
- 10.2.3 Pressure regulators and valves
- 10.2.4 Pressure sensors
- 10.2.5 Air compressors
- 10.2.6 Pressure transmitters
- 10.2.7 Coating
- 10.2.8 Drilling
- 10.2.9 Thin film deposition
- 10.2.10 Nozzles
- 10.2.11 Electrical surface technology treatment
- 10.2.12 Engineering
- 10.2.13 Fluid dispensers and fillers
- 10.2.14 Fluid control
- 10.2.15 Conveyors
- 10.2.16 Blowers
- 10.2.17 Enclosures, humidity and temperaturecontrolled
- 10.2.18 Gearheads
- 10.2.19 Slides and bearings
- 10.2.20 Heat sealing machines
- 10.2.21 Cooling
- 10.2.22 Ballscrews
- 10.2.23 Lamps, UV-curing
- 10.2.24 Lasers
- 10.2.25 Linear assembly machines
- 10.2.26 Solvent dispensers, solvent recovery systems
- 10.2.27 Measuring machines
- 10.2.28 Assembly systems
- 10.2.29 Micro Assembly
- 10.2.30 Subassemblies
- 10.2.31 Motors, torque
- 10.2.32 Motors, stepper
- 10.2.33 Motors, geared
- 10.2.34 Motors, coreless
- 10.2.35 Motors, synchronous
- 10.2.36 Needle inspection
- 10.2.37 Surface treatment
- 10.2.38 Plasma etching
- 10.2.39 Polishing
- 10.2.40 Programmable controllers
- 10.2.41 Rapid prototyping
- 10.2.42 Cleaning
- 10.2.43 Robots



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- 10.2.44 Rotary indexing assembly machines
- 10.2.45 Grinding
- 10.2.46 Cutting machines
- 10.2.47 Welders / sealers
- 10.2.48 Stylettes
- 10.2.49 Custom assemblies
- 10.2.50 Tip forming
- 10.2.51 Diecutting (Manufacturing Equipment)
- 10.2.52 Motion control systems / drivers
- 10.2.53 Thermoforming
- 10.2.54 Transfusion sets
- 10.2.55 Drying
- 10.2.56 Converting equipment
- 10.2.57 Sterilisation equipment
- 10.2.58 Sterilants
- 10.2.59 Sterility indicators, biological

11

Manufacturing Services

- 11.1 Etching
- 11.2 Fabrication, others
- 11.3 Machining
- 11.4 Sourcing and management
- 11.5 Coating
- 11.6 Bioceramic implants
- 11.7 Drilling
- 11.8 Bonding
- 11.9 Wireforming
- 11.10 Turning
- 11.11 Pressure forming
- 11.12 Electronic systems / subassemblies
- 11.13 Stainless steel polishing
- 11.14 Deburring

11.15 Extrusion

- 11.15.1 Blow-moulding
- 11.15.2 Single moulding
- 11.15.3 Mould tool-making
- 11.15.4 Rubber moulding
- 11.15.5 Flashless rubber moulding
- 11.15.6 Insert moulding
- 11.15.7 Multicavity moulding
- 11.15.8 Assembly techniques
- 11.15.9 Precision moulding
- 11.15.10 Clean-room moulding
- 11.15.11 Injection moulding
- 11.15.12 Injection moulds
- 11.15.13 Dip moulding
- 11.15.14 Thermoplastic moulding
- 11.15.15 Tool development

11.16 Forming

- 11.16.1 Electrical discharge machining
- 11.16.2 Casting
- 11.16.3 Heat sealing, RF
- 11.16.4 Cannulae grinding and after-treatment
- 11.16.5 Encapsulation
- 11.16.6 Tipping
- 11.16.7 Compounding
- 11.16.8 Co-ordinates measuring technology
- 11.16.9 Slitting
- 11.16.10 Laser marking

- 11.16.11 Metal stamping
- 11.16.12 Micromachining
- 11.16.13 Assembly
- 11.16.14 High end assembly
- 11.16.15 Surface treatment
- 11.16.16 Polishing
- 11.16.17 Tube forming
- 11.16.18 Grinding, centreless and profile
- 11.16.19 Turnkey engineering, electronics
- 11.16.20 Cutting
- 11.16.21 Welding, high-frequency
- 11.16.22 Welding, laser
- 11.16.23 Welding, orbital
- 11.16.24 Welding, ultrasonic
- 11.16.25 Production engineering, medical systems
- 11.16.26 Kit assembly
- 11.16.27 Coil winding
- 11.16.28 Diecutting (Manufacturing Services)
- 11.16.29 Stamping
- 11.16.30 Sterilisation services
- 11.16.31 Sterilisation validation
- 11.16.32 Thermoforming
- 11.16.33 Ultrasonic cleaning
- 11.16.34 Converting
- 11.16.35 Sealing
- 11.16.36 Full service manufacturing, electronics
- 11.16.37 Tooling

12

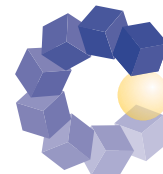
Packaging and print

12.1 Packaging equipment

- 12.1.1 Filling equipment
- 12.1.2 Aseptic packaging equipment
- 12.1.3 Sachet filling equipment
- 12.1.4 Sachet making equipment
- 12.1.5 Sachet sealing equipment
- 12.1.6 Blister packaging equipment
- 12.1.7 Crimpers
- 12.1.8 Bagging equipment
- 12.1.9 Form-fill seal equipment
- 12.1.10 Gas flushing for form-fill seal equipment
- 12.1.11 Bottle filling equipment
- 12.1.12 Hot stamping equipment
- 12.1.13 Capping equipment
- 12.1.14 Cartoning equipment
- 12.1.15 Open-fill-and-seal system equipment
- 12.1.16 Embossing equipment
- 12.1.17 Bag making equipment
- 12.1.18 Cutting equipment
- 12.1.19 Shrink-wrapping equipment
- 12.1.20 Tamper evident sealing equipment
- 12.1.21 Skin-pack equipment
- 12.1.22 Thermoform fill and seal equipment
- 12.1.23 Vacuum forming equipment
- 12.1.24 Vacuum packaging equipment
- 12.1.25 Controlled atmosphere packaging equipment
- 12.1.26 Automatic packaging systems
- 12.1.27 Packaging robotic systems

12.2 Packaging materials

- 12.2.1 Breather bags
- 12.2.2 Webs, base



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- 12.2.3 Coated spunbonded polyethylene
- 12.2.4 Coating, conductive
- 12.2.5 Sachets
- 12.2.6 Flexible packages
- 12.2.7 Blister packaging, blister trays
- 12.2.8 Lidding
- 12.2.9 Moisture barrier packaging
- 12.2.10 Bottles, jars and vials
- 12.2.11 Foils, hot-stamping
- 12.2.12 Implant packaging
- 12.2.13 Plastics packaging, high-barrier
- 12.2.14 Papers
- 12.2.15 Rollstock, coated films
- 12.2.16 Rollstock, coated paper
- 12.2.17 Laminates, multiwall, high-barrier
- 12.2.18 Bags, steam sterilisable
- 12.2.19 Bag closures
- 12.2.20 Secondary packages
- 12.2.21 Barrier packaging
- 12.2.22 Diecut lids
- 12.2.23 Sterile packaging
- 12.2.24 Stoppers
- 12.2.25 Tapes
- 12.2.26 Pouches
- 12.2.27 Tubes
- 12.2.28 Overwraps
- 12.2.29 Caps, moulded plastic
- 12.2.30 Seals, aluminium
- 12.2.31 Sealing, cold / impulse
- 12.2.32 Four-sided seal
- 12.2.33 Premade packs, others
- 12.3 Packaging services**
- 12.3.1 Bagging
- 12.3.2 Packaging design
- 12.3.3 Labelling
- 12.3.4 Multi-packaging
- 12.3.5 Thermo forming
- 12.4 Labelling, bar coding, printing**
- 12.4.1 Bar coding
- 12.4.2 Inks, indicator
- 12.4.3 Printing equipment
- 12.4.4 Printing materials
- 12.4.5 Labelling equipment
- 12.4.6 Labels, foils
- 12.4.7 Flexo graphic printing
- 12.4.8 ID cards
- 12.4.9 Multiple jet, high-definition
- 12.4.10 Offset printing
- 12.4.11 Plates, metal, photopolymer, plastic and rubber
- 12.4.12 Screen printing
- 12.4.13 Pad printing
- 12.4.14 Thermal and thermal-transfer printers
- 12.4.15 Inks, ink-jet
- 12.4.16 Dryers
- 12.4.17 Hot stamping

13

Services

- 13.1 Design, Research and Development Services**
- 13.1.1 Analytical methods development
- 13.1.2 Analytical investigations
- 13.1.3 Biocompatibility studies
- 13.1.4 Embedded systems
- 13.1.5 Design engineering
- 13.1.6 Electrical systems, subassemblies
- 13.1.7 Haemocompatibility studies
- 13.1.8 Hygiene studies
- 13.1.9 Immunology studies
- 13.1.10 Laboratory research services
- 13.1.11 Machinery design and construction
- 13.1.12 Microbiological studies
- 13.1.13 Microtechnology
- 13.1.14 Optical engineering services
- 13.1.15 Product design and development
- 13.1.16 Programmable electrical medical systems
- 13.1.17 Prototyping
- 13.1.18 Rapid prototyping
- 13.1.19 Toxicology
- 13.1.20 Process design and development
- 13.1.21 Wound healing
- 13.2 Testing, certification, quality assurance**
- 13.2.1 Auditing, inspections
- 13.2.2 European "Medical Device Directive" 93/42 conformity assessment services
- 13.2.3 Testing services
- 13.2.4 Testing equipment
- 13.2.5 Testing agencies
- 13.2.6 Testing, EMC
- 13.2.7 Testing, equipment safety
- 13.2.8 Quality assurance, quality systems
- 13.2.9 Product certification, patents
- 13.3 Consultants**
- 13.3.1 Reimbursement
- 13.3.2 Start-up assistance
- 13.3.3 Business development
- 13.3.4 Market research, marketing services
- 13.3.5 Exhibition and conference organisation
- 13.3.6 Manufacturing
- 13.3.7 Risk management
- 13.3.8 Regulatory framework
- 13.3.9 Distribution, warehousing
- 13.3.10 Registration, submission assistance
- 13.3.11 Hygienic programmes
- 13.3.12 Clinical assessment and clinical trials management
- 13.3.13 Training services
- 13.3.14 Technical documentation
- 13.3.15 Publications