



1

Packaging machines and devices

- 1.1 Preparing and feeding
- 1.1.1 Erecting machines for cardboard articles
- 1.1.2 Machines to insert package inserts
- 1.1.3 Machines for depalletizing, de-stacking, sorting, aligning and feeding of empty packagings and packaging components
- 1.1.4 Machines for cleaning or sterilizing and drying packagings
- 1.1.5 Machines for the assembly of packaging and packaging components (e.g. dosing pumps, syringes, drug delivery systems)
- 1.1.6 Unpacking, emptying and depalletizing machines
- 1.1.7 Dosing and portioning machines
- 1.1.8 Mixer and Carbonizer
- 1.1.9 Product sorting and/or feeding machines
- 1.2 Filling and packaging
- 1.2.1 Form, fill and seal machines (FFS) for
 - 1.2.1.1 Pouches
 - 1.2.1.2 Blister
 - 1.2.1.3 Bottles/small bottles
 - 1.2.1.4 Cups
 - 1.2.1.5 Sacks
 - 1.2.1.6 Tray and similar containers
- 1.2.2 Cartoners
- 1.2.3 Fill and seal machines (FS) for
 - 1.2.3.1 Ampoules, small bottles, vials
 - 1.2.3.2 Bags
 - 1.2.3.3 Barrels, kegs and similar containers
 - 1.2.3.4 Big-bags (FIBCs)
 - 1.2.3.5 Blister
 - 1.2.3.6 Bottles
 - 1.2.3.7 Buckets
 - 1.2.3.8 Canisters
 - 1.2.3.9 Cans
 - 1.2.3.10 Cardboard boxes
 - 1.2.3.11 Cartridges
 - 1.2.3.12 Cases
 - 1.2.3.13 Cups
 - 1.2.3.14 Drums
 - 1.2.3.15 Jars
 - 1.2.3.16 Nets
 - 1.2.3.17 Packaging jars

- 1.2.3.18 Sacks
- 1.2.3.19 Syringes
- 1.2.3.20 Tablet tubes
- 1.2.3.21 Trays and similar containers
- 1.2.3.22 Tubes
- 1.2.4 Filling machines for
 - 1.2.4.1 Aerosol cans
 - 1.2.4.2 Ampoules, small bottles, vials
 - 1.2.4.3 Bags
 - 1.2.4.4 Barrels, kegs and similar containers
 - 1.2.4.5 Big-Bags
 - 1.2.4.6 Bottles
 - 1.2.4.7 Boxes
 - 1.2.4.8 Buckets
 - 1.2.4.9 Canisters
 - 1.2.4.10 Cans
 - 1.2.4.11 Cartons, Folding boxes
 - 1.2.4.12 Cases
 - 1.2.4.13 Cups
 - 1.2.4.14 Large containers
 - 1.2.4.15 Nets
 - 1.2.4.16 Packaging jars
 - 1.2.4.17 Sacks
 - 1.2.4.18 Syringes
 - 1.2.4.19 Tablet tubes
 - 1.2.4.20 Trays and similar containers
 - 1.2.4.21 Tubes
- 1.2.5 Closing machines for
 - 1.2.5.1 Ampoules, small bottles, vials
 - 1.2.5.2 Bags
 - 1.2.5.3 Barrels, kegs and similar containers
 - 1.2.5.4 Bottles
 - 1.2.5.5 Buckets
 - 1.2.5.6 Cans
 - 1.2.5.7 Cartons and folding boxes
 - 1.2.5.8 Cases
 - 1.2.5.9 Cups
 - 1.2.5.10 Packaging jars
 - 1.2.5.11 Sacks
 - 1.2.5.12 Tablet tubes
 - 1.2.5.13 Trays and similar containers
 - 1.2.5.14 Tubes
- 1.2.6 Wrapping machines
- 1.2.7 Shrink film machines and devices

- 1.2.8 Packaging machines with special equipment for hygienic packaging
- 1.2.8.1 Aseptic filling machines
- 1.2.8.2 CAP (controlled atmosphere packaging)
- 1.2.8.3 Disinfection of packaging
- 1.2.8.4 MAP (modified atmosphere packaging)
- 1.2.8.5 Sterile packaging
- 1.2.8.6 Vacuum
- 1.3 Final packaging, material flow, logistics
- 1.3.1 Filling machines for group and transport packaging
- 1.3.2 Bundling machines
- 1.3.3 Picking systems
- 1.3.4 Palletizing machines
- 1.3.5 Machines for securing pallets and other loading units
- 1.4 Labelling and marking
- 1.4.1 Labelling machines
- 1.4.2 Digital direct printing devices
- 1.4.3 Coding devices
- 1.4.4 Embossing systems
- 1.4.5 Printer (Thermo, Inkjet, Matrix)
- 1.4.6 Laser coding systems
- 1.5 Inspection and control
- 1.5.1 Checkweighers
- 1.5.2 Leakage test systems/devices
- 1.5.3 Metal detectors
- 1.5.4 Optical inspection systems
- 1.5.5 X-ray inspection systems/devices
- 1.6 Additional machines and devices in the packaging process
- 1.6.1 Applicators for adding or sealing components to packagings (e.g. tear tapes, purging spouts or carrying handles)
- 1.6.2 Capping machines
- 1.6.3 Equipment for adding product supplements and product information to packs
- 1.6.4 Foiling machines
- 1.6.5 Gravimetric filling and price labelling machines
- 1.6.6 Machines for automatically adding padding material and edge/corner protection
- 1.6.7 Machines or equipment for conveying, storing or arranging packages or packaging components during the packaging process (without floor trucks)

- 1.6.8 Machines and equipment for subsequently pasteurizing and sterilizing packaged products
- 1.6.9 Punching devices
- 1.6.10 Splicer for packaging material
- 1.6.11 Laser perforation systems
- 1.6.12 Machines for recovering products
- 1.7 Complete packaging lines
- 1.7.1 Primary packaging
- 1.7.2 Secondary packaging
- 1.8 Tools and equipment to assist manual packaging

2

Packaging materials, packaging production aids, packagings and packaging accessories

- 2.1 Packaging materials
- 2.1.1 Ceramics
- 2.1.2 Composite packaging materials
- 2.1.3 Glass
- 2.1.4 Metal
- 2.1.4.1 Aluminium
- 2.1.4.2 Steel
- 2.1.4.3 Tinplate
- 2.1.5 Paper, carton, cardboard
- 2.1.6 Plastic (pellets, films)
- 2.1.6.1 Bioplastics
- 2.1.7 Stoneware
- 2.1.8 Textiles, non-woven material and woven material
- 2.1.9 Wood
- 2.2 Packaging production aids
- 2.2.1 Adhesives / Glues
- 2.2.2 Chemicals and other additives
- 2.2.3 Embossing and laminating materials
- 2.2.4 Printing inks, varnishes, inks, toners
- 2.3 Packaging and packaging accessories
- 2.3.1 Aerosol cans
- 2.3.2 Ampoules
- 2.3.3 Bag-in-box packagings
- 2.3.4 Bags
- 2.3.5 Bags for boiling and cooking
- 2.3.6 Barrels
- 2.3.7 Baskets

- 2.3.8 Beverage cans
- 2.3.9 Beverage cartons
- 2.3.10 Blister packagings
- 2.3.11 Bottle sleeves
- 2.3.12 Bottles / small bottles
- 2.3.13 Box pallets
- 2.3.14 Boxes
- 2.3.15 Buckets
- 2.3.16 Canisters
- 2.3.17 Cans
- 2.3.18 Capsules
- 2.3.19 Carboys
- 2.3.20 Carrier-bags and shopping bags
- 2.3.21 Cartridges
- 2.3.22 Carpules
- 2.3.23 Cases and similar containers
- 2.3.24 CD / DVD packs
- 2.3.25 Closing/sealing accessories
- 2.3.26 Closures, closing means
- 2.3.27 Containers
- 2.3.28 Containers for bulk material (FIBCs, IBCs)
- 2.3.29 Containers for storage and transport
- 2.3.30 Containers with lid
- 2.3.31 Crates
- 2.3.32 Cups
- 2.3.33 Display packagings
- 2.3.34 Drums
- 2.3.35 FIBC
- 2.3.36 Flacons
- 2.3.37 Foils
- 2.3.38 Gelatine capsules
- 2.3.39 Gift wrap paper
- 2.3.40 Handles
- 2.3.41 Hobbocks
- 2.3.42 Jars
- 2.3.43 Jugs
- 2.3.44 Labels
- 2.3.45 Lipstick tubes
- 2.3.46 Mailing tubes
- 2.3.47 Nets
- 2.3.48 Packaging glass (no bottles)
- 2.3.49 Pitchers, jugs
- 2.3.50 Preserving jars
- 2.3.51 Sacks

- 2.3.52 Skin packagings
- 2.3.53 Small cases (etuis)
- 2.3.54 Small tubes
- 2.3.55 Syringes
- 2.3.56 Tablet blisters
- 2.3.57 Tablet tubes
- 2.3.58 Transparent packagings
- 2.3.59 Trays
- 2.3.60 Tubes
- 2.3.61 Tubular jackets
- 2.3.62 Vials
- 2.3.63 Video cases
- 2.3.64 Wrapping paper

3

Machines and equipment for the production of packaging and packaging aid

- 3.1 Machines and equipment for the production of plastic packaging
- 3.1.1 Complete lines for the production of plastic packaging
 - 3.1.1.1 Bags, sacks
 - 3.1.1.2 Bottles
 - 3.1.1.3 Cans, jars, cups
 - 3.1.1.4 Caps
 - 3.1.1.5 Crates, storage and transport containers
 - 3.1.1.6 Film
 - 3.1.1.7 Film tubes
 - 3.1.1.8 Hollow bodies, canisters, drums, balloons, etc.
 - 3.1.1.9 Packagings made of foamed plastic
 - 3.1.1.10 Pallets
 - 3.1.1.11 Trays
 - 3.1.1.12 Tubes
- 3.1.2 Single machines/equipment for the production of plastic packaging
 - 3.1.2.1 Blow film lines
 - 3.1.2.2 Blow moulding machines
 - 3.1.2.3 Bottomer
 - 3.1.2.4 Circular loom
 - 3.1.2.5 Confectioning plants (cutting, sewing, closing, ..)
 - 3.1.2.6 Extruder
 - 3.1.2.7 Film casting plants

- 3.1.2.8 Film stretching plants
- 3.1.2.9 Injection moulding machines
- 3.1.2.10 Presses
- 3.1.2.11 Roll cutting machines
- 3.1.2.12 Spraying equipment
- 3.1.2.13 Thermoforming machines
- 3.1.2.14 Welding machines
- 3.1.2.15 Winding machines
- 3.1.3 Operating and auxiliary equipment for the production of plastic packaging
 - 3.1.3.1 Dosing and conveyer screws
 - 3.1.3.2 Feeding systems
 - 3.1.3.3 Mixers
 - 3.1.3.4 Sack emptying with and without lifting devices
 - 3.1.3.5 Sieving machines
 - 3.1.3.6 Weighing and dosing technology
- 3.2 Machines and equipment for the production of paper/cardboard packaging
 - 3.2.1 Complete lines for the production of paper/cardboard packaging
 - 3.2.1.1 Bag making machines
 - 3.2.1.2 Box making machines
 - 3.2.1.3 Can making machines
 - 3.2.1.4 Corrugated cardboard machines
 - 3.2.1.5 Cup making machines
 - 3.2.1.6 Label making machines
 - 3.2.1.7 Pouch making machines
 - 3.2.1.8 Sack making machines
 - 3.2.1.9 Tray making machines
 - 3.2.1.10 Tube making machines
 - 3.2.2 Single machines/equipment for the production of paper/cardboard packaging
 - 3.2.2.1 Bottomer
 - 3.2.2.2 Card board presses (inline)
 - 3.2.2.3 Carton bending machines
 - 3.2.2.4 Carton erecting machines
 - 3.2.2.5 Circular sheers
 - 3.2.2.6 Corrugated card board converting machines
 - 3.2.2.7 Cross cutters
 - 3.2.2.8 Deep drawing machines for boards
 - 3.2.2.9 Die cutting machines
 - 3.2.2.10 Folding box lining machines
 - 3.2.2.11 Folding carton prefeeders
 - 3.2.2.12 Folding gluing machines

- 3.2.2.13 Folding box stitching machines
- 3.2.2.14 Gluer
- 3.2.2.15 Ice cream cone wrapping machines
- 3.2.2.16 Label cutting machines
- 3.2.2.17 Perforating equipment
- 3.2.2.18 Reel slitting and winding machines
- 3.2.2.19 Size cutting machines and systems
- 3.2.2.20 Slitters and cross cutters
- 3.2.2.21 Slitting and rewinding machines
- 3.2.2.22 Stacking device for folding carton blanks
- 3.2.2.23 Stripping machines
- 3.2.2.24 Tray forming machines
- 3.2.2.25 Tube cutting and winding machines
- 3.2.2.26 Tube slicing and dividing machines
- 3.2.2.27 Tuber
- 3.2.2.28 Winder
- 3.2.3 Operating and auxiliary equipment for the production of paper/ cardboard packaging
 - 3.3 Machines and equipment for the production of metal packaging
 - 3.3.1 Complete lines for the production of metal packaging
 - 3.3.1.1 Aerosol can making machines
 - 3.3.1.2 Barrel making machines
 - 3.3.1.3 Can making machines
 - 3.3.1.4 Cap and drum closing machines
 - 3.3.1.5 Combined can making machines
 - 3.3.1.6 Crown cap making machines
 - 3.3.1.7 Screw close making machines
 - 3.3.1.8 Tube making machines
 - 3.3.2 Single machines/equipment for the production of metal packaging
 - 3.3.2.1 360° inside protection for 3-piece-cans
 - 3.3.2.2 Assembling machines
 - 3.3.2.3 Beaders
 - 3.3.2.4 Body makers
 - 3.3.2.5 Compound liners
 - 3.3.2.6 Deep-drawing presses
 - 3.3.2.7 Drawing and ironing machines
 - 3.3.2.8 Flangers
 - 3.3.2.9 Folding machines
 - 3.3.2.10 Insertion machines (sealing)
 - 3.3.2.11 Neckers

<input type="checkbox"/>	3.3.2.12	Presses
<input type="checkbox"/>	3.3.2.13	Punching machines
<input type="checkbox"/>	3.3.2.14	Slitters
<input type="checkbox"/>	3.3.2.15	Stretchers
<input type="checkbox"/>	3.3.2.16	Stretching machines
<input type="checkbox"/>	3.3.2.17	Thread-cutting machines
<input type="checkbox"/>	3.3.2.18	Trimmers
<input type="checkbox"/>	3.3.2.19	Welded seam protection systems
<input type="checkbox"/>	3.3.2.20	Welding machines
<input type="checkbox"/>	3.3.2.21	Winding machines
<input type="checkbox"/>	3.3.3	Operating and auxiliary equipment for the production of metal packaging
<input type="checkbox"/>	3.3.3.1	Annealing plants/systems
<input type="checkbox"/>	3.3.3.2	Degreasing plants
<input type="checkbox"/>	3.3.3.3	Embossing roller made of steel
<input type="checkbox"/>	3.3.3.4	Ovens and curing equipment
<input type="checkbox"/>	3.3.3.5	Washing units
<input type="checkbox"/>	3.4	Machines and equipment for the production of glass packaging
<input type="checkbox"/>	3.4.1	Complete lines for the production of glass packaging
<input type="checkbox"/>	3.4.1.1	Ampule and carpule glass machines
<input type="checkbox"/>	3.4.1.2	Glass bottle machines
<input type="checkbox"/>	3.4.1.3	Glass container machines
<input type="checkbox"/>	3.4.1.4	Glass flacon machines
<input type="checkbox"/>	3.4.1.5	Production of glass syringes
<input type="checkbox"/>	3.4.1.6	Production of glass tubes
<input type="checkbox"/>	3.4.2	Single machines/equipment for the production of glass packaging
<input type="checkbox"/>	3.4.2.1	Blowing machines
<input type="checkbox"/>	3.4.2.2	Cutting, breaking and snapping machines
<input type="checkbox"/>	3.4.2.3	Glass melting technology
<input type="checkbox"/>	3.4.2.4	Glass tube production
<input type="checkbox"/>	3.4.2.5	Injection machines
<input type="checkbox"/>	3.4.2.6	Press machines
<input type="checkbox"/>	3.4.2.7	Spinning machines
<input type="checkbox"/>	3.4.3	Operating and auxiliary equipment for the production of glass packaging
<input type="checkbox"/>	3.4.3.1	Annealing lehrs
<input type="checkbox"/>	3.4.3.2	Batch and cullet preparation
<input type="checkbox"/>	3.4.3.3	Dosing machines
<input type="checkbox"/>	3.4.3.4	Geather
<input type="checkbox"/>	3.4.3.5	Glass coating equipment
<input type="checkbox"/>	3.4.3.6	Glass mould spraying systems
<input type="checkbox"/>	3.4.3.7	Moulds for the glass production
<input type="checkbox"/>	3.4.3.8	Shear blades
<input type="checkbox"/>	3.4.3.9	Tempering equipment
<input type="checkbox"/>	3.4.3.10	Tube cutting machines
<input type="checkbox"/>	3.4.3.11	Tube feeder
<input type="checkbox"/>	3.5	Machines and equipment for the production of wood packaging
<input type="checkbox"/>	3.5.1	Complete lines for the production of wood packaging
<input type="checkbox"/>	3.5.1.1	Equipment for heat treatment of pallets and wooden packagings
<input type="checkbox"/>	3.5.1.2	Equipment for fumigation of pallets and wooden packagings
<input type="checkbox"/>	3.5.1.3	Machines for barrel production
<input type="checkbox"/>	3.5.1.4	Machines for chip basket production
<input type="checkbox"/>	3.5.1.5	Machines for pallet production
<input type="checkbox"/>	3.5.1.6	Machines for the production of boxes, folding boxes, crates
<input type="checkbox"/>	3.5.2	Single machines/equipment for the production of wood packaging
<input type="checkbox"/>	3.5.2.1	Bordering and folding machines
<input type="checkbox"/>	3.5.2.2	Gluing machines
<input type="checkbox"/>	3.5.2.3	Nailing, stapling and screw-setting machines
<input type="checkbox"/>	3.5.2.4	Peeling machines
<input type="checkbox"/>	3.5.2.5	Riveting machines
<input type="checkbox"/>	3.5.2.6	Sawing machines
<input type="checkbox"/>	3.5.2.7	Trimming machines
<input type="checkbox"/>	3.6	Machines and equipment for the production of ceramic/stoneware packaging
<input type="checkbox"/>	3.6.1	Complete lines for the production of ceramic/stoneware packaging
<input type="checkbox"/>	3.6.1.1	Machines and equipment for the production of bottles and jars
<input type="checkbox"/>	3.6.1.2	Machines and equipment for the production of glass ceramic closures
<input type="checkbox"/>	3.6.2	Single machines/equipment for the production of ceramic/stoneware packaging
<input type="checkbox"/>	3.6.2.1	Ceramic furnaces
<input type="checkbox"/>	3.6.2.2	Ceramic injection moulding machines
<input type="checkbox"/>	3.6.2.3	Glazing machines
<input type="checkbox"/>	3.6.2.4	Presses
<input type="checkbox"/>	3.7	Machines and equipment for the production of textile packaging
<input type="checkbox"/>	3.8	Machines and equipment for packaging printing and finishing

- 3.8.1 Single machines/equipment for packaging printing and finishing
- 3.8.1.1 Gravure printing machines
- 3.8.1.2 Adhesive application systems
- 3.8.1.3 Braille applicator
- 3.8.1.4 Coating machines
- 3.8.1.5 Decorating machines
- 3.8.1.6 Die cutting machines
- 3.8.1.7 Digital printing machines and systems
- 3.8.1.8 Embossing / Stamping machines
- 3.8.1.9 Equipment and systems for printing form production
- 3.8.1.10 Equipment for in-mould-decoration
- 3.8.1.11 Flexographic printing machines
- 3.8.1.12 Flocking lines
- 3.8.1.13 Foil printing machines
- 3.8.1.14 Folding / Creasing machines
- 3.8.1.15 Folding box printing and stamping machines (combined)
- 3.8.1.16 Hot foil stamping
- 3.8.1.17 Hybrid printing machines (combination of methods)
- 3.8.1.18 Label printing machines
- 3.8.1.19 Lacquering
- 3.8.1.20 Laminating equipment
- 3.8.1.21 Marking and coding machines
- 3.8.1.22 Metallization lines
- 3.8.1.23 Offset printing machines
- 3.8.1.24 Pad / Tampon printing machines
- 3.8.1.25 Perforating machines
- 3.8.1.26 Printer slotters
- 3.8.1.27 Printing form production
- 3.8.1.28 Screen printing machines
- 3.8.2 Operating and auxiliary equipment for packaging printing and finishing
- 3.8.2.1 Drying / Tempering equipment
- 3.8.2.2 Hardening equipment
- 3.8.2.3 Pretreatment units
- 3.8.2.4 Washing and cleaning systems
- 3.9 Storage, logistics and transport equipment for packaging production (all kind of packaging)
- 3.9.1 Conveying and storage systems
- 3.9.2 Cutting systems
- 3.9.3 Feeding systems
- 3.9.4 Handling systems

- 3.9.5 Lifting devices
- 3.9.6 Silos and accessories
- 3.9.7 Stacking devices
- 3.9.8 Storage systems
- 3.9.9 Take-off systems
- 3.9.10 Transport systems

4 **Machines and equipment for manufacturing foodstuffs, confectionery and bakery products**

- 4.1 Complete lines for manufacturing foodstuffs, confectionery and bakery products
- 4.1.1 Chocolate production/processing
- 4.1.2 Cocoa production/processing
- 4.1.3 Dragée and tablet production (confectionery only)
- 4.1.4 Fish processing
- 4.1.5 Fruit and vegetable processing
- 4.1.6 Meat processing
- 4.1.7 Poultry processing
- 4.1.8 Processing of almonds, nuts, other kernels and oil seeds
- 4.1.9 Production of bread and small baked products
- 4.1.10 Production of cereals
- 4.1.11 Production of ice cream
- 4.1.12 Production of long-life bakery products (e.g. biscuits, crackers, wafers, ...)
- 4.1.13 Production of milk and dairy products
- 4.1.14 Production of pasta (noodles)
- 4.1.15 Production of pastry goods
- 4.1.16 Production of sugar confectionery
- 4.1.17 Production of vegetable oils and fats
- 4.1.18 Production/processing of other food products (e.g. potatoes, starch, coffee, tea, sugar,...)
- 4.1.19 Vegetable raw material processing
- 4.2 Single machines/equipment for manufacturing foodstuffs, confectionery and bakery products
- 4.2.1 Abattoir equipment
- 4.2.2 Aerating equipment
- 4.2.3 Baking ovens and automatic baking lines

- | | | | |
|---------------------------------|--|---------------------------------|---|
| <input type="checkbox"/> 4.2.5 | Beating machines | <input type="checkbox"/> 4.2.48 | Laminators |
| <input type="checkbox"/> 4.2.6 | Bending machines (e.g. for croissants) | <input type="checkbox"/> 4.2.49 | Machines and equipment for sausage production |
| <input type="checkbox"/> 4.2.7 | Caramelizers | <input type="checkbox"/> 4.2.50 | Machines and equipment for the production of wafer cream and other stuffings |
| <input type="checkbox"/> 4.2.8 | Centrifuges | <input type="checkbox"/> 4.2.51 | Machines for meat dismembering and processing |
| <input type="checkbox"/> 4.2.9 | Cluster equipment | <input type="checkbox"/> 4.2.52 | Marzipan paste production machines |
| <input type="checkbox"/> 4.2.10 | Coating machines | <input type="checkbox"/> 4.2.53 | Machines and equipment for curing |
| <input type="checkbox"/> 4.2.11 | Coating systems | <input type="checkbox"/> 4.2.54 | Machines and equipment for disinfection |
| <input type="checkbox"/> 4.2.12 | Conches | <input type="checkbox"/> 4.2.55 | Machines and equipment for preserving foodstuffs (e.g. pasteurization, sterilization, gasifying, irradiation, ..) |
| <input type="checkbox"/> 4.2.13 | Conditioning machines | <input type="checkbox"/> 4.2.56 | Mixers/mixing equipment |
| <input type="checkbox"/> 4.2.14 | Cone baking equipment | <input type="checkbox"/> 4.2.57 | Mogul equipment |
| <input type="checkbox"/> 4.2.15 | Cooling equipment | <input type="checkbox"/> 4.2.58 | Moulding equipment |
| <input type="checkbox"/> 4.2.16 | Crushing machines/equipment (e.g. breakers, mills, ...) | <input type="checkbox"/> 4.2.59 | Moulding rollers, engraved |
| <input type="checkbox"/> 4.2.17 | Cutters | <input type="checkbox"/> 4.2.60 | Moulds for solid and hollow article moulding equipment |
| <input type="checkbox"/> 4.2.18 | Cutting machines | <input type="checkbox"/> 4.2.61 | Nougat cream production machines |
| <input type="checkbox"/> 4.2.19 | Decorating equipment | <input type="checkbox"/> 4.2.62 | Oiling equipment |
| <input type="checkbox"/> 4.2.20 | Deep frying equipment | <input type="checkbox"/> 4.2.63 | Panning machines |
| <input type="checkbox"/> 4.2.21 | Depositing equipment/depositors | <input type="checkbox"/> 4.2.64 | Peeling machines and lines |
| <input type="checkbox"/> 4.2.22 | Depositing machines | <input type="checkbox"/> 4.2.65 | Praline masses manufacturing machines |
| <input type="checkbox"/> 4.2.23 | Deshelling equipment/machines for nuts, almonds and others | <input type="checkbox"/> 4.2.66 | Preparation and pressing installations (vegetable oils, fats) |
| <input type="checkbox"/> 4.2.24 | De-Starching equipment | <input type="checkbox"/> 4.2.67 | Puffing equipment |
| <input type="checkbox"/> 4.2.25 | De-tempering equipment | <input type="checkbox"/> 4.2.68 | Pulling machines |
| <input type="checkbox"/> 4.2.26 | Dosing equipment | <input type="checkbox"/> 4.2.69 | Punching and cutting machines for raw pastries |
| <input type="checkbox"/> 4.2.27 | Dough dividing machines | <input type="checkbox"/> 4.2.70 | Refining machines |
| <input type="checkbox"/> 4.2.28 | Dough rollers | <input type="checkbox"/> 4.2.71 | Refining plants and equipment for vegetable oils and fats |
| <input type="checkbox"/> 4.2.29 | Dressing machines | <input type="checkbox"/> 4.2.72 | Rework converting machines |
| <input type="checkbox"/> 4.2.30 | Dryers, drying equipment | <input type="checkbox"/> 4.2.73 | Rolling lines |
| <input type="checkbox"/> 4.2.31 | Emulsifiers | <input type="checkbox"/> 4.2.74 | Rolling machines |
| <input type="checkbox"/> 4.2.32 | Enrobing equipment | <input type="checkbox"/> 4.2.75 | Separators |
| <input type="checkbox"/> 4.2.33 | Extruders | <input type="checkbox"/> 4.2.76 | Sheeters |
| <input type="checkbox"/> 4.2.34 | Filling equipment/systems | <input type="checkbox"/> 4.2.77 | Shock frosters |
| <input type="checkbox"/> 4.2.35 | Flocking equipment | <input type="checkbox"/> 4.2.78 | Slicers |
| <input type="checkbox"/> 4.2.36 | Forming machines/equipment | <input type="checkbox"/> 4.2.79 | Spraying equipment |
| <input type="checkbox"/> 4.2.37 | Freeze dryers | <input type="checkbox"/> 4.2.80 | Spreading machines |
| <input type="checkbox"/> 4.2.38 | Freezers/freezing systems | <input type="checkbox"/> 4.2.81 | Sprinkling equipment |
| <input type="checkbox"/> 4.2.39 | Granulating machines/equipment | | |
| <input type="checkbox"/> 4.2.40 | Grinders | | |
| <input type="checkbox"/> 4.2.41 | Grinding/polishing equipment | | |
| <input type="checkbox"/> 4.2.42 | Hollow article moulding equipment | | |
| <input type="checkbox"/> 4.2.43 | Homogenizers | | |
| <input type="checkbox"/> 4.2.44 | Ice cream machines (chip ice, flake ice) | | |
| <input type="checkbox"/> 4.2.45 | Industrial proofing systems | | |
| <input type="checkbox"/> 4.2.46 | Injectors | | |
| <input type="checkbox"/> 4.2.47 | Kneader/Kneading equipment | | |

- 4.2.82 Starch equipment
- 4.2.83 Stirrers
- 4.2.84 Tablet presses (confectionery products only)
- 4.2.85 Thermal units (e.g. melting equipment, tempering machines, cooking equipment, smoking equipment, roasting equipment)
- 4.2.86 Tumbler
- 4.2.87 Twisting machines
- 4.2.88 Vermicelli and non-pareille equipment
- 4.2.89 Wafer baking ovens
- 4.3 Operating and auxiliary equipment for manufacturing foodstuffs, confectionery and bakery products
- 4.3.1 Analyzer, laboratory and measuring equipment
- 4.3.2 Classifying/sifting/sorting machines and equipment
- 4.3.3 Cleaning and disinfection systems (CIP and HACCP)
- 4.3.4 Cleaning machines
- 4.3.5 Containers for charging/discharging machines
- 4.3.6 Cooling and air conditioning technology
- 4.3.7 Evaporation equipment
- 4.3.8 Extracting equipment
- 4.3.9 Fermenter / Fermentation equipment
- 4.3.10 Heat exchangers
- 4.3.11 Heat tunnels
- 4.3.12 Laboratory equipment
- 4.3.13 Lifting and tipping devices for containers
- 4.3.14 Magnetic separators
- 4.3.15 Nozzle systems
- 4.3.16 Pumps
- 4.3.17 Pumps and valve systems
- 4.3.18 Vacuum technology
- 4.3.19 Weighing equipment
- 4.4 Storage, logistics and transport equipment for the production of foodstuffs, confectionery and bakery products
- 4.4.1 Conveying and storage systems
- 4.4.2 Feeding systems
- 4.4.3 Silos and accessories
- 4.4.4 Stacking facilities
- 4.4.5 Storage systems
- 4.4.6 Take-off systems
- 4.4.7 Tanks (heated)

- 4.4.8 Transport and handling systems
- 4.4.9 Transport trolley
- 5 Machines and equipment for beverage production**
- 5.1 Complete lines for beverage production
- 5.1.1 Complete lines for beer production
- 5.1.2 Complete lines for soft drink production
- 5.1.3 Complete lines for wine, sparkling wine and spirit production
- 5.2 Single machines/equipment for beverage production
- 5.2.1 Brewhouse equipment
- 5.2.2 Carbonating equipment
- 5.2.3 Degassing equipment and devices
- 5.2.4 Dosing and blending equipment
- 5.2.5 Homogenizing equipment
- 5.2.6 Machines and equipment for de-alcoholisation
- 5.2.7 Malting plants
- 5.3 Operating and auxiliary equipment for beverage production
- 5.3.1 Centrifuges
- 5.3.2 Cleaning and disinfection systems (CIP and HACCP)
- 5.3.3 Distillation / extraction / rectification equipment
- 5.3.4 Evaporation equipment
- 5.3.5 Filtration equipment
- 5.3.6 Heat exchangers
- 5.3.7 Heating, heat keeping and cooling equipment
- 5.4 Storage, logistics and transport equipment for beverage production
- 5.4.1 Conveying and storage systems
- 5.4.2 Silos and accessories
- 5.4.3 Tanks
- 6 Machines and equipment for the production of pharmaceuticals and cosmetics**
- 6.1 Complete lines for the production of pharmaceutical and cosmetic products

- 6.1.1 Complete herb processing line (pharma only)
- 6.1.2 Complete lines for solida production
- 6.1.3 Complete lines for liquida production
- 6.1.4 Complete lines for semi-solida production
- 6.1.5 Complete lines for suppository production
- 6.2 Single machines/equipment for the production of pharmaceutical and cosmetic products
- 6.2.1 Capsule cleaning and polishing machines
- 6.2.2 Classifying machines
- 6.2.3 Coating systems
- 6.2.4 Compacting and briquetting presses
- 6.2.5 Containment solutions
- 6.2.6 Container systems
- 6.2.7 Crystallization equipment
- 6.2.8 Crusher
- 6.2.9 Cutting equipment (for herbs)
- 6.2.10 Dryers
- 6.2.11 Extracting equipment
- 6.2.12 Fermenter / Fermentation equipment
- 6.2.13 Fluid bed systems
- 6.2.14 Granulating machines
- 6.2.15 Grinding systems
- 6.2.16 Homogenizers
- 6.2.17 Isolators
- 6.2.18 Lyophilizer
- 6.2.19 Machines for the production of oral dissolvable films (ODF)
- 6.2.20 Machines for the production of transdermal adhesive patches
- 6.2.21 Mixers / Blending equipment
- 6.2.22 Pelletizing equipment
- 6.2.23 Pharma extruders
- 6.2.24 Roasting equipment for herbs
- 6.2.25 Sifting machines
- 6.2.26 Spouted bed units
- 6.2.27 Spray encapsulation equipment
- 6.2.28 Tablet presses
- 6.2.29 Web-Converting equipment
- 6.3 Operating and auxiliary equipment for the production of pharmaceutical and cosmetic products
- 6.3.1 Analyzing and testing devices
- 6.3.2 Clean room engineering
- 6.3.3 Coating pans

- 6.3.4 Containers (also heated)
 - 6.3.5 Containers for charging/discharging machines
 - 6.3.6 Deduster
 - 6.3.7 Filters, pumps, valves
 - 6.3.8 Filtration units
 - 6.3.9 Generation systems for purified/highly purified water
 - 6.3.10 Heat exchangers
 - 6.3.11 Laboratory equipment
 - 6.3.12 Laboratory facilities
 - 6.3.13 Lifting and tipping devices for containers
 - 6.3.14 Pure steam generator
 - 6.3.15 Sorting equipment
 - 6.3.16 Spraying equipment
 - 6.3.17 Sterilization units
 - 6.3.18 Stirrers
 - 6.3.19 Stirring vessels (heated)
 - 6.3.20 Tablet deburring devices
 - 6.3.21 Tanks
 - 6.3.22 Temperature devices
 - 6.3.23 Washing equipment for the pharmaceutical industry
 - 6.3.24 Washing machines / equipment for herbs
 - 6.3.25 Weighing equipment
 - 6.3.26 WIP/CIP cleaning
 - 6.4 Storage, logistics and transport equipment for the production of pharmaceutical and cosmetic products
 - 6.4.1 Conveying, storage and transportation systems
 - 6.4.2 Feeding systems
 - 6.4.3 Product and material handling
 - 6.4.4 Silos and accessories
- 7**
- Automation technology / Components / Accessories**
- 7.1 Cooling units
 - 7.2 Complete automation systems for
 - 7.2.1 Food processing industry
 - 7.2.2 Packaging production
 - 7.2.3 Pharmaceutical und cosmetics industry



- 7.3 Compressing/preforming tools
- 7.4 Control cabinets
- 7.5 Control units
- 7.6 Conveyors
- 7.7 Corrosion protecting materials
- 7.8 Data collection, preparation and processing
- 7.9 Handling technology (gripper, handling systems)
- 7.10 Machine control
- 7.11 Machine vision
- 7.12 Material management systems
- 7.13 Measuring, controlling, regulating and examination devices
- 7.14 Motor and drives technology
- 7.15 Other accessories
- 7.16 Process automation
- 7.17 Production planning and control
- 7.18 Pumps
- 7.19 Robotic
- 7.20 Rollers (not engraved)
- 7.21 Sealing materials
- 7.22 Sensor technology
- 7.23 Valves

8 Recycling and environmental technologies

- 8.1 Complete lines for recycling and environmental technologies
 - 8.1.1 Air drying units
 - 8.1.2 Heat recovery plants
 - 8.1.3 Humidification systems
 - 8.1.4 Recycling of
 - 8.1.4.1 Glass packagings
 - 8.1.4.2 Metal packagings
 - 8.1.4.3 Paper/card board packagings
 - 8.1.4.4 PET packagings
 - 8.1.4.5 Plastic packagings
 - 8.1.5 Solvent disposal plants
 - 8.1.6 Solvent recovery plants
 - 8.1.7 Waste air purification plants
 - 8.1.8 Waste glass processing plants
 - 8.1.9 Waste water treatment plants
 - 8.1.10 Water treatment plants

- 8.2 Single machines/equipment for recycling and environmental technologies
 - 8.2.1 Balers
 - 8.2.2 Blenders
 - 8.2.3 Classifier
 - 8.2.4 Dedusting systems/equipment
 - 8.2.5 Granulators
 - 8.2.6 Milling and grinding plants
 - 8.2.7 Separation and sorting systems
 - 8.2.8 Shredder
 - 8.2.9 Sieving machines
 - 8.2.10 Transportation systems
 - 8.2.11 Washing systems and equipment

9 Services

- 9.1 Business support
 - 9.1.1 Assembly, maintenance and repair services
 - 9.1.2 Consulting and project planning of track & trace solutions
 - 9.1.3 Contract manufacturing
 - 9.1.4 Contract packaging
 - 9.1.5 Leasing / rental services
 - 9.1.6 Operating (Co-Packing)
 - 9.1.7 Packaging consulting
 - 9.1.8 Packaging design
 - 9.1.9 Packaging waste disposal and recycling
 - 9.1.10 Project planning and implementation of packaging lines
 - 9.1.11 Remote diagnosis / teleservice
 - 9.1.12 Retrofit
 - 9.1.13 Trainings
- 9.2 Trade press
- 9.3 Research and teachings
- 9.4 Associations and branch organizations