Packaging machines and devices

1. Preparing and feeding

1.1 Erecting machines for cardboard articles

1.2 Machines to insert package inserts

1.3 Machines for depalletizing, de-stacking, sorting, aligning and feeding of empty packagings and packaging components

1.4 Machines for cleaning or sterilising and drying packagings

1.5 Machines for the assembly of packaging and packaging components (e.g. dosing pumps, syringes)

1.6 Unpacking, emptying and depalletizing machines

1.7 Dosing and portioning machines

1.8 Mixer and Carbonizer

1.9 Cleaning machines for products (e.g. fruit, salad)

1.10 Product sorting and/or feeding machines

2. Filling and packaging

2.1 Form, fill and seal machines (FFS)

2.1.1 Horizontal form, fill and seal machines (H-FFS)

2.1.2 Vertical form, fill and seal machines (V-FFS)

2.2 Form, fill and seal machines (FFS) for

2.2.1 Blister

2.2.2 Bottles

2.2.3 Cups

2.2.4 Sacks

2.2.5 Trays and similar containers

2.3 Cartoners

2.3.1 Horizontal cartoners

2.3.2 Top load cartoners

2.3.3 Vertical cartoners

2.4 Fill and seal machines (FS) for

2.4.1 Ampoules, small bottles, vials

2.4.2 Bags

2.4.3 Barrels, kegs and similar containers

2.4.4 Big-bags (FIBCs)

2.4.5 Blister

2.4.6 Bottles

2.4.7 Buckets

2.4.8 Cartoners

2.4.9 Cans

2.4.10 Cardboard boxes

2.4.11 Cartridges

2.4.12 Cases

2.4.13 Cups

2.4.14 Drums

2.4.15 Jars

2.4.16 Packaging jars

2.4.17 Nets

2.4.18 Sacks

2.4.19 Trays and similar containers

2.4.20 Tubes

2.5 Filling machines for

2.5.1 Aerosol cans

2.5.2 Ampoules, small bottles, vials

2.5.3 Bags

2.5.4 Barrels, kegs and similar containers

2.5.5 Big-Bags

2.5.6 Bottles

2.5.7 Boxes

2.5.8 Buckets

2.5.9 Cases

2.5.10 Cartons, Folding boxes

2.5.11 Cans

2.5.12 Cups

2.5.13 Carriers

2.5.14 Large containers

2.5.15 Nets

2.5.16 Packaging jars

2.5.17 Sacks

2.5.18 Trays and similar containers

2.5.19 Tubes

2.6 Closing machines for

2.6.1 Ampoules, small bottles, vials

2.6.2 Bags

2.6.3 Barrels, kegs and similar containers

2.6.4 Bottles

2.6.5 Buckets

2.6.6 Cans

2.6.7 Cartons and folding boxes

2.6.8 Cases

2.6.9 Cups

2.6.10 Packaging jars

2.6.11 Sacks

2.6.12 Trays and similar containers

2.6.13 Tubes

2.7 Wrapping machines

2.8 Shrink film machines

2.9 Shrinking devices

2.9.1 Drying tunnels

2.9.2 Shrink frames

2.9.3 Shrink ovens

2.9.4 Shrink tanks

2.9.5 Shrink tunnels

2.10 Packaging machines with special equipment for hygienic packaging

2.10.1 Aseptic filling machines

2.10.2 CAP (controlled atmosphere packaging)

2.10.3 Disinfection of packaging

2.10.4 MAP (modified atmosphere packaging)

2.10.5 Sterile packaging

2.10.6 Vacuum

3. Final packaging, material flow, logistics

3.1 Filling machines for group and transport packaging

3.2 Bundling machines

3.3.1 Bundling machines

3.3.2 Binding machines

3.3.3 Strapping machines
# Product categories

**Page 2 of 8**

## 1. Robotic systems
- **1.6.13** Robotic systems
  - **1.6.13.1** Articulated robots
  - **1.6.13.2** Gantry robots
  - **1.6.13.3** Pick & Place robots

## 1.7 Complete packaging lines
- **1.7.1** Primary packaging
- **1.7.2** Secondary packaging

## 1.8 Tools and equipment to assist manual packaging
- **1.8.1** Adhesive-tape applicators
- **1.8.2** Equipment for lifting heavy products
- **1.8.3** Nail and staple guns
- **1.8.4** Price marking equipment
- **1.8.5** Rollers for stretch film
- **1.8.6** Shrink guns

## 2 Packaging materials, packaging means, auxiliary packaging means and packaging production

### 2.1 Packaging materials
- **2.1.1** Glass
- **2.1.2** Ceramics
- **2.1.3** Plastic
  - **2.1.3.1** Bioplastics
  - **2.1.3.2** Polyhydroxybutyrates (PHB)
  - **2.1.3.3** Polyactid Acid (PLA)
  - **2.1.3.4** Polyhydroxybutyrates (PHB)
  - **2.1.3.5** Polyethylene (PE, HDPE, LDPE, LLDPE)
  - **2.1.3.6** Polycarbonate (PC)
  - **2.1.3.7** Polyethylene naphthalene (PEN)
  - **2.1.3.8** Polyethylene terephthalate (PET)
  - **2.1.3.9** Polyethylene furanoate (PEF)
  - **2.1.3.10** Polypropylene (PP, BOPP, OPP, CPP)
  - **2.1.3.11** Polyurethane (PU)
  - **2.1.3.12** Polyvinyl chloride (PVC)
- **2.1.4** Metal
  - **2.1.4.1** Aluminium
  - **2.1.4.2** Steel
  - **2.1.4.3** Tinplate
- **2.1.5** Paper, card and cardboard
  - **2.1.5.1** Cartonboard
  - **2.1.5.2** Cardboard
  - **2.1.5.3** Corrugated board
  - **2.1.5.4** Paper
  - **2.1.5.5** Paper pulp
  - **2.1.5.6** Solid fibre board
- **2.1.6** Stoneware
- **2.1.7** Textiles, non-woven materials and woven materials
- **2.1.8** Composite packaging materials based on
  - **2.1.8.1** Bioplastics

## 1.3 Picking systems
- **1.3.3** Picking systems

## 1.4 Labelling and marking
- **1.4.1** Labelling machines
  - **1.4.1.1** Hot melt glue labelling machines
  - **1.4.1.2** Hot melt glue labelling machines
  - **1.4.1.3** Hot melt labelling machines
  - **1.4.1.4** Labelling machines for tag labels
  - **1.4.1.5** Pressure sensitive labelling machines
  - **1.4.1.6** Wet glue 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 packaging (e.g. tear tapes, pouring 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** Filling 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** Splicers for packaging material
- **1.6.11** Laser perforation systems
- **1.6.12** Machines for recovering products

## 1.7 Additional machines and devices in the packaging process
- **1.7.1** Robotic systems
  - **1.7.1.1** Articulated robots
  - **1.7.1.2** Gantry robots
  - **1.7.1.3** Pick & Place robots
- **1.7.2** Complete packaging lines
  - **1.7.2.1** Primary packaging
  - **1.7.2.2** Secondary packaging
- **1.7.3** Tools and equipment to assist manual packaging
  - **1.7.3.1** Adhesive-tape applicators
  - **1.7.3.2** Equipment for lifting heavy products
  - **1.7.3.3** Nail and staple guns
  - **1.7.3.4** Price marking equipment
  - **1.7.3.5** Rollers for stretch film
  - **1.7.3.6** Shrink guns

## 1.8 Packaging materials, packaging means, auxiliary packaging means and packaging production
- **1.8.1** Packaging materials
  - **1.8.1.1** Glass
  - **1.8.1.2** Ceramics
  - **1.8.1.3** Plastic
    - **1.8.1.3.1** Bioplastics
    - **1.8.1.3.2** Polyhydroxybutyrates (PHB)
    - **1.8.1.3.3** Polyactid Acid (PLA)
    - **1.8.1.3.4** Polyhydroxybutyrates (PHB)
    - **1.8.1.3.5** Polyethylene (PE, HDPE, LDPE, LLDPE)
    - **1.8.1.3.6** Polycarbonate (PC)
    - **1.8.1.3.7** Polyethylene naphthalene (PEN)
    - **1.8.1.3.8** Polyethylene terephthalate (PET)
    - **1.8.1.3.9** Polyethylene furanoate (PEF)
    - **1.8.1.3.10** Polypropylene (PP, BOPP, OPP, CPP)
    - **1.8.1.3.11** Polyurethane (PU)
    - **1.8.1.3.12** Polyvinyl chloride (PVC)
  - **1.8.1.4** Metal
    - **1.8.1.4.1** Aluminium
    - **1.8.1.4.2** Steel
    - **1.8.1.4.3** Tinplate
  - **1.8.1.5** Paper, cardboard and cardboard
    - **1.8.1.5.1** Cartonboard
    - **1.8.1.5.2** Cardboard
    - **1.8.1.5.3** Corrugated board
    - **1.8.1.5.4** Paper
    - **1.8.1.5.5** Paper pulp
    - **1.8.1.5.6** Solid fibre board
  - **1.8.1.6** Stoneware
  - **1.8.1.7** Textiles, non-woven materials and woven materials
  - **1.8.1.8** Composite packaging materials based on
    - **1.8.1.8.1** Bioplastics

## 1.9 Additional machines and devices in the packaging process
- **1.9.1** Robotic systems
  - **1.9.1.1** Articulated robots
  - **1.9.1.2** Gantry robots
  - **1.9.1.3** Pick & Place robots
- **1.9.2** Complete packaging lines
  - **1.9.2.1** Primary packaging
  - **1.9.2.2** Secondary packaging
- **1.9.3** Tools and equipment to assist manual packaging
  - **1.9.3.1** Adhesive-tape applicators
  - **1.9.3.2** Equipment for lifting heavy products
  - **1.9.3.3** Nail and staple guns
  - **1.9.3.4** Price marking equipment
  - **1.9.3.5** Rollers for stretch film
  - **1.9.3.6** Shrink guns
- **1.9.4** Packaging materials, packaging means, auxiliary packaging means and packaging production
  - **1.9.4.1** Packaging materials
    - **1.9.4.1.1** Glass
    - **1.9.4.1.2** Ceramics
    - **1.9.4.1.3** Plastic
      - **1.9.4.1.3.1** Bioplastics
      - **1.9.4.1.3.2** Polyhydroxybutyrates (PHB)
      - **1.9.4.1.3.3** Polyactid Acid (PLA)
      - **1.9.4.1.3.4** Polyhydroxybutyrates (PHB)
      - **1.9.4.1.3.5** Polyethylene (PE, HDPE, LDPE, LLDPE)
      - **1.9.4.1.3.6** Polycarbonate (PC)
      - **1.9.4.1.3.7** Polyethylene naphthalene (PEN)
      - **1.9.4.1.3.8** Polyethylene terephthalate (PET)
      - **1.9.4.1.3.9** Polyethylene furanoate (PEF)
      - **1.9.4.1.3.10** Polypropylene (PP, BOPP, OPP, CPP)
      - **1.9.4.1.3.11** Polyurethane (PU)
      - **1.9.4.1.3.12** Polyvinyl chloride (PVC)
  - **1.9.4.2** Metal
    - **1.9.4.2.1** Aluminium
    - **1.9.4.2.2** Steel
    - **1.9.4.2.3** Tinplate
  - **1.9.4.3** Paper, cardboard and cardboard
    - **1.9.4.3.1** Cartonboard
    - **1.9.4.3.2** Cardboard
    - **1.9.4.3.3** Corrugated board
    - **1.9.4.3.4** Paper
    - **1.9.4.3.5** Paper pulp
    - **1.9.4.3.6** Solid fibre board
  - **1.9.4.4** Stoneware
  - **1.9.4.5** Textiles, non-woven materials and woven materials
  - **1.9.4.6** Composite packaging materials based on
    - **1.9.4.6.1** Bioplastics
# Product categories

2.1.8.2 Cartonboard  
2.1.8.3 Paper  
2.1.8.4 Plastics  

## 2.2 Packagings

### 2.2.1 Aluminium
- 2.2.1.1 Aerosol cans  
- 2.2.1.2 Barrels (with screw cap or with lid)  
- 2.2.1.3 Beverage cans  
- 2.2.1.4 Blister packagings  
- 2.2.1.5 Bottles  
- 2.2.1.6 Cans  
- 2.2.1.7 Capsules  
- 2.2.1.8 Cartridges  
- 2.2.1.9 Containers for storage and transport  
- 2.2.1.10 Flexible tubes  
- 2.2.1.11 Foils  
- 2.2.1.12 Mailing tubes  
- 2.2.1.13 Screw caps / Closures  
- 2.2.1.14 Semi-rigid container/bags  
- 2.2.1.15 Small tubes  
- 2.2.1.16 Trays  
- 2.2.1.17 Tubular jackets

### 2.2.2 Cardboard
- 2.2.2.1 Bag-in-box packagings  
- 2.2.2.2 Baskets  
- 2.2.2.3 Blister packagings  
- 2.2.2.4 Boxes (folded boxes, rigid boxes, cut-outs)  
- 2.2.2.5 Buckets  
- 2.2.2.6 Canisters  
- 2.2.2.7 Cans  
- 2.2.2.8 Cases and similar containers  
- 2.2.2.9 Crates  
- 2.2.2.10 Display packagings  
- 2.2.2.11 Drums  
- 2.2.2.12 Mailing tubes  
- 2.2.2.13 Push-out packs  
- 2.2.2.14 Small cases (etuis)  
- 2.2.2.15 Tubular jackets

### 2.2.3 Carton
- 2.2.3.1 Bag-in-box packagings  
- 2.2.3.2 Baskets  
- 2.2.3.3 Blister packagings  
- 2.2.3.4 Boxes (folded boxes, rigid boxes, cut-outs)  
- 2.2.3.5 Buckets  
- 2.2.3.6 Cans  
- 2.2.3.7 Carrier-bags and shopping bags  
- 2.2.3.8 CD / DVD packs  
- 2.2.3.9 Crates  
- 2.2.3.10 Cups  
- 2.2.3.11 Display packagings  
- 2.2.3.12 Push-out packs  
- 2.2.3.13 Rigid tubes  
- 2.2.3.14 Small cases (etuis)

### 2.2.4 Ceramics
- 2.2.4.1 Bottles

### 2.2.5 Composite material
- 2.2.5.1 Bags  
- 2.2.5.2 Blister packagings  
- 2.2.5.3 Cans  
- 2.2.5.4 Carrier-bags and shopping bags  
- 2.2.5.5 Cups

### 2.2.6 Corrugated board
- 2.2.6.1 Boxes (folded boxes, rigid boxes, cut-outs)  
- 2.2.6.2 Cases and similar containers  
- 2.2.6.3 Containers for storage and transport  
- 2.2.6.4 Crates  
- 2.2.6.5 Display packagings  
- 2.2.6.6 Fibre pulp material

### 2.2.7 Glass
- 2.2.7.1 Bottles  
- 2.2.7.2 Cartridges & syringes  
- 2.2.7.3 Flasks  
- 2.2.7.4 Foils  
- 2.2.7.5 Glass tubes  
- 2.2.7.6 Glass tubes

### 2.2.8 Metal
- 2.2.8.1 Ammunition  
- 2.2.8.2 Bottles  
- 2.2.8.3 Cartridges & syringes  
- 2.2.8.4 Flasks  
- 2.2.8.5 Foils  
- 2.2.8.6 Glass tubes  
- 2.2.8.7 Lipstick tubes  
- 2.2.8.8 Tablet blisters  
- 2.2.8.9 Tablets  
- 2.2.8.10 Trays  
- 2.2.8.11 Trays (deep drawn or pressed)

### 2.2.9 Paper
- 2.2.9.1 Bag-in-box packagings  
- 2.2.9.2 Baskets  
- 2.2.9.3 Blister packagings  
- 2.2.9.4 Boxes (folded boxes, rigid boxes, cut-outs)  
- 2.2.9.5 Buckets  
- 2.2.9.6 Canisters  
- 2.2.9.7 Cans  
- 2.2.9.8 Container for storage and transport  
- 2.2.9.9 Containers with lid  
- 2.2.9.10 Crates  
- 2.2.9.11 Jugs  
- 2.2.9.12 Tubular jackets

### 2.2.10 Plastic
- 2.2.10.1 Bag-in-box packagings  
- 2.2.10.2 Baskets  
- 2.2.10.3 Cartridges & syringes  
- 2.2.10.4 Crates  
- 2.2.10.5 Cases and similar containers  
- 2.2.10.6 Containers for storage and transport  
- 2.2.10.7 Trays  
- 2.2.10.8 Trays (deep drawn or pressed)  
- 2.2.10.9 Tubular jackets  
- 2.2.10.10 Trays (deep drawn or pressed)

### 2.2.11 Plastics
- 2.2.11.1 Ammunition  
- 2.2.11.2 Bag-in-box packagings  
- 2.2.11.3 Bags  
- 2.2.11.4 Case for boiling and cooking  
- 2.2.11.5 Cartridges  
- 2.2.11.6 Cartridges (with screw cap or with lid)
### Product categories

#### 2.2 Bottles
- 2.2.11 Bottles
- 2.2.11.7 Bottles
- 2.2.11.8 Boxes (folded boxes, rigid boxes, cut-outs)
- 2.2.11.9 Carrier bags and shopping bags
- 2.2.11.10 Cases and similar containers
- 2.2.11.11 Containers for storage and transport
- 2.2.11.12 Containers with lid
- 2.2.11.13 Damaged Trays
- 2.2.11.14 Deep drawn or pressed
- 2.2.11.15 Tubular jackets
- 2.2.11.16 Tubular jackets

#### 2.2.12 Solid fibreboard
- 2.2.12.1 Baskets
- 2.2.12.2 Boxes (folded boxes, rigid boxes, cut-outs)
- 2.2.12.3 Buckets
- 2.2.12.4 Canisters
- 2.2.12.5 Cases and similar containers
- 2.2.12.6 Containers for storage and transport
- 2.2.12.7 Crates
- 2.2.12.8 Drums
- 2.2.12.9 Tubular jackets

#### 2.2.13 Steel
- 2.2.13.1 Barrels (with screw cap or with lid)
- 2.2.13.2 Barrels (with screw cap or with lid)
- 2.2.13.3 Buckets
- 2.2.13.4 Canisters
- 2.2.13.5 Cases and similar containers
- 2.2.13.6 Containers for storage and transport
- 2.2.13.7 Crates
- 2.2.13.8 Drums
- 2.2.13.9 Tubular jackets

#### 2.2.14 Textile material
- 2.2.14.1 Nets

#### 2.2.15 Tinplate
- 2.2.15.1 CB / DVD packs

#### 2.2.16 Wood
- 2.2.16.1 Barrels (with screw cap or with lid)
- 2.2.16.2 Barrels
- 2.2.16.3 Boxes (folded boxes, rigid boxes, cut-outs)
- 2.2.16.4 Cases and similar containers
- 2.2.16.5 Containers with lid
- 2.2.16.6 Crates

#### 2.2.17 Woven material
- 2.2.17.1 Carrier bags and shopping bags
- 2.2.17.2 Containers for storage and transport
- 2.2.17.3 Sacks

#### 2.2.18 Other Packagings
- 2.2.18.1 Gelatine capsules
- 2.2.18.2 Gift wrap paper
- 2.2.18.3 Packaging glass (no bottles)
- 2.2.18.4 Packaging stoneware
- 2.2.18.5 Pitchers, jugs
- 2.2.18.6 Skin packagings
- 2.2.18.7 Small cases (etuis)
- 2.2.18.8 Transparent packagings

#### 2.3 Auxiliary packaging means

#### 2.3.1 Bottle sleeves
- 2.3.1.1 Metal
- 2.3.1.2 Plastic

#### 2.3.2 Box pallets
- 2.3.2.1 Metal
- 2.3.2.2 Plastic

#### 2.3.3 Carrier handles

#### 2.3.4 Closing/sealing accessories
- 2.3.4.1 Adhesive tapes
- 2.3.4.2 Adhesives
- 2.3.4.3 Closing/sealing accessories mechanical (e.g. staplers, nails)
- 2.3.4.4 Packaging strips

#### 2.3.5 Closures, closing means
- 2.3.5.1 Bag closures
- 2.3.5.2 Bayonet closures
- 2.3.5.3 Cap closures
- 2.3.5.4 Caps for aerosol cans
- 2.3.5.5 Capsule closures
- 2.3.5.6 Child-proof closures
- 2.3.5.7 Child-proof twist off tops
- 2.3.5.8 Clips
- 2.3.5.9 Corks
- 2.3.5.10 Crimped closures
- 2.3.5.11 Crown caps
- 2.3.5.12 Dropper closures
- 2.3.5.13 Flacon closures
- 2.3.5.14 Glass closures
- 2.3.5.15 Grooved lids
- 2.3.5.16 Lead seals
- 2.3.5.17 Lever closures
- 2.3.5.18 Lids
- 2.3.5.19 Peel-off from / flaps
- 2.3.5.20 Portion controlling caps
- 2.3.5.21 Pouriing spout closures
- 2.3.5.22 Press-in closures
- 2.3.5.23 Pump seals, manual
- 2.3.5.24 Roll-on closures
- 2.3.5.25 Safety closures
- 2.3.5.26 Screw lids
- 2.3.5.27 Screw lids
- 2.3.5.28 Seals, protecting cap
- 2.3.5.29 Sliding closures
- 2.3.5.30 Snap lids
- 2.3.5.31 Spray seals
Product categories

2.3.5.32 Stoppers
2.3.5.33 Tear-off closures
2.3.5.34 Tear-open strips
2.3.5.35 Toggle-type closures
2.3.5.36 Tube caps
2.3.5.37 Valve seals
2.3.5.38魏封胶囊 closures
2.3.6 Corrosion protecting agents
2.3.7 Decorating material
2.3.8 Desiccation bags
2.3.9 Dosing inserts
2.3.10 Edge protection
2.3.11 Labels
2.3.11.1 Heat-adhesive labels
2.3.11.2 RFID-labels
2.3.11.3 Self-adhesive labels
2.3.11.4 Shrink sleeves
2.3.11.5 Wet-adhesive labels
2.3.12 Leaflets (customer information)
2.3.13 Marking devices
2.3.14 Nozzles
2.3.15 Packaging inserts
2.3.16 Padding material
2.3.16.1 Corner edge protection
2.3.16.2 tray material/foam plastic
2.3.17 Pallet frames
2.3.18 Pallet stabilizing accessories
2.3.19 Pallets
2.3.19.1 Corrugated board
2.3.19.2 Metal
2.3.19.3 Plastic
2.3.19.4 Solid Fibreboard
2.3.20 Protective gases
2.3.21 Sealing materials
2.3.22 Valves

2.4 Machines for the production of packaging and packaging components
2.4.1 Adhesive tape, adhesive strips
2.4.2 Ampoules, vials and similar containers
2.4.3 Bags
2.4.4 Barrels and drums
2.4.5 Big-bags
2.4.6 Bottles, Jerry cans and similar containers
2.4.7 Boxes, cases and similar containers
2.4.8 Buckets
2.4.9 Cans
2.4.10 Cardboard boxes
2.4.11 Cups
2.4.12 Flexible packagings
2.4.13 Labels
2.4.14 Mailkling tubes
2.4.15 Metal containers
2.4.16 Packaging jars
2.4.17 Padding materials and inserts
2.4.18 Pallets
2.4.19 Sacks
2.4.20 Sacks and other packaging components
2.4.21 Tape, twine, wires
2.4.22 Trays and similar containers
2.4.23 Tubes
2.4.24 Valves

2.6 Machines and equipment for the printing of packaging media
3 Machines and equipment for the production of confectionery (Chocolate confectionery, sugar confectionery, gum)
3.1 Complete lines for the production of confectionery (Chocolate confectionery, sugar confectionery, gum)
3.1.1 Processing of almonds, nuts and others
3.1.2 Production of caramel
3.1.3 Processing of cocoa
3.1.4 Production of candy and cereal bars
3.1.5 Production of chewy candy masses
3.1.6 Production of chewing gum
3.1.7 Production of chocolate
3.1.8 Production of cocoa butter
3.1.9 Production of cocoa liquor
3.1.10 Production of cocoa powder
3.1.11 Production of confectionery
3.1.12 Production of foam sugar products
3.1.13 Production of fondant essences
3.1.14 Production of gums and jelly products
3.1.15 Production of hard and soft caramels
3.1.16 Production of ice cream
3.1.17 Production of liquorice confectionery
3.1.18 Machines and equipment for dragee and tablet production (confectionery)
3.2 Single machines / equipment for the production of confectionery (Chocolate confectionery, sugar confectionery, gum)
3.2.1 Aeration equipment
3.2.2 Blending and granulating equipment
3.2.3 Breaking drums
3.2.4 Caramelisers
3.2.5 Cleaning machines for cocoa beans, nuts, almonds and others
3.2.7 Cluster equipment
3.2.8 Coating machines
3.2.9 Coating systems
Product categories

3.2.73 Sugar sanding equipment
3.2.72 Sterilizing equipment for cocoa, nuts, almonds and others
3.2.71 Starch equipment
3.2.70 Sprinkling equipment
3.2.69 Spreading machines
3.2.68 Spraying equipment
3.2.67 Sieving machines, equipment
3.2.66 Sheeters
3.2.64 Rolling machines
3.2.63 Rolling and scoring lines (sticks and pellets)
3.2.62 Roasting machines
3.2.61 Roasting and cooling equipment
3.2.60 Rework converting machines
3.2.59 Refining machines
3.2.58 Pulling machines
3.2.57 Praline masses manufacturing machines
3.2.56 Bar forming equipment
3.2.55 Rolling machines
3.2.54 Praline forming machines
3.2.53 Panning machines
3.2.52 Oiling equipment
3.2.51 Moulding machines
3.2.50 Moulding equipment
3.2.49 Enrobing equipment
3.2.48 Drying equipment
3.2.47 De-tempering equipment
3.2.46 De-Starching equipment
3.2.45 De-hullers
3.2.44 Baking machines
3.2.43 Baking tanks and ovens
3.2.42 Baking equipment
3.2.41 Baking machines
3.2.40 Baking and cooling equipment
3.2.39 Baking and mixing equipment
3.2.38 Baking systems
3.2.37 Baking and kneading equipment
3.2.36 Baking and slicing equipment
3.2.35 Baking and cooling equipment
3.2.34 Baking and mixing equipment
3.2.33 Baking and kneading equipment
3.2.32 Baking and slicing equipment
3.2.31 Baking and cooling equipment
3.2.30 Baking and kneading equipment
3.2.29 Baking and mixing equipment
3.2.28 Baking and slicing equipment
3.2.27 Baking and kneading equipment
3.2.26 Baking and cooling equipment
3.2.25 Baking and kneading equipment
3.2.24 Baking and mixing equipment
3.2.23 Baking and kneading equipment
3.2.22 Baking and cooling equipment
3.2.21 Baking and kneading equipment
3.2.20 Baking and cooling equipment
3.2.19 Baking and kneading equipment
3.2.18 Baking and cooling equipment
3.2.17 Baking and kneading equipment
3.2.16 Baking and cooling equipment
3.2.15 Baking and kneading equipment
3.2.14 Baking and cooling equipment
3.2.13 Baking and kneading equipment
3.2.12 Baking and cooling equipment
3.2.11 Baking and kneading equipment
3.2.10 Baking and cooling equipment

3.3.17 Heat tunnels
3.3.16 Heat exchangers
3.3.15 Vacuum technology
3.3.14 Weighing equipment
3.3.13 Heat exchangers
3.3.12 Storage equipment
3.3.11 Transport systems
3.3.10 Transport systems
3.3.9 Transport systems
3.3.8 Transport systems
3.3.7 Transport systems
3.3.6 Transport systems
3.3.5 Transport systems
3.3.4 Transport systems
3.3.3 Transport systems
3.3.2 Transport systems
3.3.1 Transport systems

4.1.1 Complete lines for manufacturing bakery products, snacks and cereals (including biscuits, waffles, etc.)
4.1.2 Complete lines for manufacturing bakery products, snacks and cereals (including biscuits, waffles, etc.)
4.1.3 Complete lines for manufacturing bakery products, snacks and cereals (including biscuits, waffles, etc.)
4.1.4 Complete lines for manufacturing bakery products, snacks and cereals (including biscuits, waffles, etc.)
4.1.5 Complete lines for manufacturing bakery products, snacks and cereals (including biscuits, waffles, etc.)
4.1.6 Complete lines for manufacturing bakery products, snacks and cereals (including biscuits, waffles, etc.)
4.1.7 Complete lines for manufacturing bakery products, snacks and cereals (including biscuits, waffles, etc.)
4.1.8 Complete lines for manufacturing bakery products, snacks and cereals (including biscuits, waffles, etc.)
4.1.9 Complete lines for manufacturing bakery products, snacks and cereals (including biscuits, waffles, etc.)
4.1.10 Complete lines for manufacturing bakery products, snacks and cereals (including biscuits, waffles, etc.)
4.1.20 Production of thin dough (filo dough) products
4.1.21 Production of toast
4.1.22 Production of wafer

4.2 Single machines /equipment for the production of bakery products, snacks and cereals (including biscuits, waffles, etc.)

4.2.1 Bending machines (e.g. for croissants)
4.2.2 Biscuit and wafer filling equipment
4.2.3 Bread roll forming equipment
4.2.4 Coating machines
4.2.5 Cone baking equipment
4.2.6 Cooking extruders
4.2.7 Cooling equipment
4.2.8 Ice cream machines (chip ice, flake ice)
4.2.9 Cutting machines
4.2.10 Deep frying equipment
4.2.11 Depositing machines
4.2.12 Dosing and mixing equipment
4.2.13 Dough band formers
4.2.14 Dough dividing machines
4.2.15 Dough rollers
4.2.16 Drying equipment
4.2.17 Enrobing equipment
4.2.18 Extruders
4.2.19 Filling systems
4.2.20 Flaking rollers
4.2.21 Forming machines
4.2.22 Cutting machines
4.2.23 Guillotines
4.2.24 Dryers
4.2.25 Hollow wafer stick equipment
4.2.26 Industrial proofing systems
4.2.27 Kneader
4.2.28 Laminators
4.2.29 Mixers
4.2.30 Mixing and kneading equipment
4.2.31 Moulding machines for pastries
4.2.32 Moulding rollers, engraved
4.2.33 Multi-deck baking ovens
4.2.34 Puffing equipment
4.2.35 Punching and cutting machines for raw pastries
4.2.36 Refining machines
4.2.37 Sheeters
4.2.38 Spraying equipment
4.2.39 Spreading machines
4.2.40 Steam cooking equipment
4.2.41 Tunnel ovens
4.2.42 Twisting machines
4.2.43 Wafer baking ovens
4.2.44 Wafer cream production equipment
4.2.45 Wire-cut and roll-out biscuit machines

5 Machines and equipment for the processing of other food products (e.g. coffee processing, production of ice cream, etc.)

5.1 Complete lines for the processing of other food products (no confectionery and bakery machines)

5.2 Single machines /equipment for the processing of other food products (no confectionery and bakery machines)

5.3 Operating and auxiliary equipment for the processing of other food products (no confectionery and bakery machines)

5.4 Storage, logistics and transport equipment for the processing of other food products (no confectionery and bakery machines)

6 Machines and equipment for the production of pharmaceuticals and cosmetics

6.1 Complete lines for the production of pharmaceutical and cosmetic products

6.2 Single machines /equipment for the production of pharmaceutical and cosmetic products

6.3 Operating and auxiliary equipment for the production of bakery products, snacks and cereals (including biscuits, waffles, etc.)

6.4 Cleaning and disinfection systems (CIP and HACCP)

6.5 Cleaning machines

6.6 Containers for charging/discharging machines

6.7 Cooling and air conditioning technology

6.8 Laboratory equipment

6.9 Lifting and tipping devices for containers

6.10 Magnetic separators

6.11 Metal detectors

6.12 Nozzle systems

6.13 Pumps

6.14 Pumps and valve systems

6.15 Sifting and classifying machines

6.16 Sorting equipment

6.17 Vacuum technology

6.18 Weighing equipment

6.19 Heat exchangers

6.20 Heat tunnels

6.21 Conveying and storage systems

6.22 Feeding systems

6.23 Silos and accessories

6.24 Stacking facilities

6.25 Storage systems

6.26 Take-off systems

6.27 Transport and handling systems

6.28 Capsule cleaning and polishing machines

6.29 Classifying machines

6.30 Coating systems

6.31 Compacting and briquetting presses

6.32 Container solutions

6.33 Container systems

6.34 Centrifugation equipment

6.35 Crusher
Product categories

6.2.9 Dryers
6.2.10 Extracting equipment
6.2.11 Fermenter
6.2.12 Fluid bed systems
6.2.13 Granulating machines
6.2.14 Grinding systems
6.2.15 Homogenizers
6.2.16 Inspection machines
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
6.2.22 Pelletizing equipment
6.2.23 Pharma extruders
6.2.24 Sifting machines
6.2.25 Spouted bed units
6.2.26 Spray encapsulation equipment
6.2.27 Tablet presses
6.2.28 Web-Converting equipment

6.3 Operating and auxiliary equipment for the production of pharmaceuticals and cosmetics
6.3.1 Analyzing and testing devices
6.3.2 Clean room engineering
6.3.3 Coating pans
6.3.4 Containers
6.3.5 Containers for charging/discharging machines
6.3.6 Deduster
6.3.7 Feeding systems
6.3.8 Filters, pumps, valves
6.3.9 Filtration units
6.3.10 Generation systems of purified/highly purified water
6.3.11 Heat exchangers
6.3.12 Laboratory equipment
6.3.13 Laboratory facilities
6.3.14 Lifting and tipping devices for containers
6.3.15 Pure steam generator
6.3.16 Metal detectors
6.3.17 Sorting equipment
6.3.18 Spraying equipment
6.3.19 Sterilization units
6.3.20 Sterilizers
6.3.21 Stirring vessels (heated)
6.3.22 Tablet deburring devices
6.3.23 Tanks
6.3.24 Temperature devices
6.3.25 Washing equipment for the pharmaceutical industry
6.3.26 Weighting equipment
6.3.27 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 Sisal and accessories

7 Services
7.1 Business support
7.1.1 Assembly, maintenance and repair services
7.1.2 Consulting and project planning of track & trace solutions
7.1.3 Contract packaging and fulfillment
7.1.4 Leasing / rental services
7.1.5 Operating (Co-Packing)
7.1.6 Packaging consulting
7.1.7 Packaging design
7.1.8 Packaging waste disposal and recycling
7.1.9 Project planning and implementation of packaging lines
7.1.10 Recycling operators
7.1.11 Remote diagnosis / Teleservice
7.1.12 Retrofit
7.1.13 Software solutions for the manufacturing and packaging process
7.1.14 Trainings

7.2 Trade press
7.2.1 Online media
7.2.2 Trade books
7.2.3 Trade magazines

7.3 Research and teachings
7.3.1 Institutes
7.3.2 Universities and Universities of applied sciences

7.4 Associations and branch organizations