



- 1.3.3 Picking systems
- 1.3.4 Palletizing machines
- 1.3.5 Machines for securing pallets and other loading units
  - 1.3.5.1 Compression strapping machines for pallets
  - 1.3.5.2 Shrink hood machines
  - 1.3.5.3 Strapping and banding machines
  - 1.3.5.4 Stretch-film wrapping machines
  - 1.3.5.5 Stretch hood machines
- 1.4 Inspection and control**
  - 1.4.1 Checkweighers
  - 1.4.2 Leakage test systems/devices
  - 1.4.3 Metal detectors
  - 1.4.4 Optical inspection systems
  - 1.4.5 X-ray inspection systems/devices
- 1.5 Additional machines and devices in the packaging process**
  - 1.5.1 Applicators for adding or sealing components to packagings (e.g. tear tapes, purging spouts or carrying handles)
  - 1.5.2 Capping machines
  - 1.5.3 Equipment for adding product supplements and product information to packs
  - 1.5.4 Foiling machines
  - 1.5.5 Gravimetric filling and price labelling machines
  - 1.5.6 Machines for automatically adding padding material and edge/corner protection
  - 1.5.7 Machines or equipment for conveying, storing or arranging packages or packaging components during the packaging process (without floor trucks)
  - 1.5.8 Machines and equipment for subsequently pasteurizing and sterilizing packaged products
  - 1.5.9 Punching devices
  - 1.5.10 Splicer for packaging material
  - 1.5.11 Laser perforation systems
  - 1.5.12 Machines for recovering products
  - 1.5.13 Robotic systems
    - 1.5.13.1 Articulated robots
    - 1.5.13.2 Gantry robots
    - 1.5.13.3 Pick & Place robots
- 1.6 Complete packaging lines**
  - 1.6.1 Primary packaging
  - 1.6.2 Secondary packaging
- 1.7 Tools and equipment to assist manual packaging**
  - 1.7.1 Adhesive-tape applicators
  - 1.7.2 Equipment for lifting heavy products
  - 1.7.3 Nail and staple guns
  - 1.7.4 Price marking equipment

- 1.7.5 Rollers for stretch film
- 1.7.6 Shrink guns

## 2

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

- 2.1 Packaging materials**
  - 2.1.1 Glass**
  - 2.1.2 Plastic from fossil raw materials**
    - 2.1.2.1 Polyamide (PA)
    - 2.1.2.2 Polybutylene adipate terephthalate (PBAT)
    - 2.1.2.3 Polybutylensuccinat (PBS)
    - 2.1.2.4 Polycaprolactam (PCL)
    - 2.1.2.5 Polycarbonate (PC)
    - 2.1.2.6 Polyethylene (PE, HDPE, LDPE, LLDPE)
    - 2.1.2.7 Polyethylene terephthalate (PET)
    - 2.1.2.8 Polypropylene (PP, BOPP, OPP, CPP)
    - 2.1.2.9 Polystyrene (PS, EPS)
    - 2.1.2.10 Polyvinyl chloride (PVC)
  - 2.1.3 Plastic from renewable raw materials**
    - 2.1.3.1 Bio-polyamide (PA)
    - 2.1.3.2 Bio-polyethylene (PE, HDPE, LDPE, LLDPE)
    - 2.1.3.3 Bio-polyethylene terephthalate (PET)
    - 2.1.3.4 Bio-polypropylene (PP, BOPP, OPP, CPP)
    - 2.1.3.5 Cellophane
    - 2.1.3.6 Polyactid Acid (PLA)
    - 2.1.3.7 Polybutylene adipate terephthalate (PBAT)
    - 2.1.3.8 Polybutylensuccinat (PBS)
    - 2.1.3.9 Polyethylene furanoate (PEF)
    - 2.1.3.10 Polyhydroxyalkanoates (PHA)
    - 2.1.3.11 Polyhydroxybutyrates (PHB)
    - 2.1.3.12 Thermoplastic starch (TPS)
  - 2.1.4 Plastic from recyclates**
    - 2.1.4.1 Polyamide (rPA)
    - 2.1.4.2 Polyethylene (rPE)
    - 2.1.4.3 Polyethylene terephthalate (rPET)
    - 2.1.4.4 Polypropylene (rPP)
    - 2.1.4.5 Polystyrene (rEPS)
    - 2.1.4.6 Polyactid Acid (rPLA)
  - 2.1.5 Metal**
    - 2.1.5.1 Aluminium
    - 2.1.5.2 Steel
    - 2.1.5.3 Tinplate
  - 2.1.6 Paper, carton and cardboard**
    - 2.1.6.1 Carton
    - 2.1.6.2 Corrugated board
    - 2.1.6.3 Paper
    - 2.1.6.4 Paper pulp
    - 2.1.6.5 Solid board
  - 2.1.7 Textiles, non-woven material and woven material**
  - 2.1.8 Composite packaging materials based on**
    - 2.1.8.1 Aluminium
    - 2.1.8.2 Cartonboard
    - 2.1.8.3 Paper
    - 2.1.8.4 Plastics
  - 2.1.9 Alternative packaging materials**
    - 2.1.9.1 Chitin

- 2.1.9.2 Eggshells
- 2.1.9.3 Mycelium (fungal filaments)
- 2.1.9.4 Plant fibers (grass, hemp, flax, straw, banana, leaves, bamboo, silphia, bagasse, etc.)
- 2.1.9.5 Seaweed

## **2.2** Packagings made from

### **2.2.1 Aluminium**

- 2.2.1.1 Aerosol cans
- 2.2.1.2 Beverage cans
- 2.2.1.3 Blister packagings
- 2.2.1.4 Bottles
- 2.2.1.5 Cans
- 2.2.1.6 Capsules
- 2.2.1.7 Cartridges
- 2.2.1.8 Containers for storage and transport
- 2.2.1.9 Flexible tubes
- 2.2.1.10 Foils
- 2.2.1.11 Screw caps / Closures
- 2.2.1.12 Semi-rigid container/trays
- 2.2.1.13 Small cases (etuis)
- 2.2.1.14 Small tubes
- 2.2.1.15 Trays
- 2.2.1.16 Tubular jackets

### **2.2.2 Carton**

- 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 Cans
- 2.2.2.7 Cases and similar containers
- 2.2.2.8 Carrier-bags and shopping bags
- 2.2.2.9 Crates
- 2.2.2.10 Cups
- 2.2.2.11 Display packagings
- 2.2.2.12 Rigid tubes

### **2.2.3 Composite material**

- 2.2.3.1 Bags
- 2.2.3.2 Blister packagings
- 2.2.3.3 Cans
- 2.2.3.4 Carrier-bags and shopping bags
- 2.2.3.5 Cups
- 2.2.3.6 Foils
- 2.2.3.7 Skin packagings
- 2.2.3.8 Boxes (folded boxes, rigid boxes)
- 2.2.3.9 Tablet blisters
- 2.2.3.10 Tubes

### **2.2.4 Corrugated board**

- 2.2.4.1 Bag-in-box packagings
- 2.2.4.2 Boxes (folded boxes, rigid boxes, cut-outs)
- 2.2.4.3 Cases and similar containers
- 2.2.4.4 Containers for storage and transport
- 2.2.4.5 Crates
- 2.2.4.6 Display packagings

### **2.2.5 Fibre pulp material**

- 2.2.5.1 Trays
- 2.2.5.2 Trays (deep drawn or pressed)

### **2.2.6 Glass**

- 2.2.6.1 Ampoules
- 2.2.6.2 Bottles

- 2.2.6.3 Cartridges & syringes
- 2.2.6.4 Packaging glass (no bottles)
- 2.2.6.5 Preserving jars
- 2.2.6.6 Tablet tubes

### **2.2.7 Paper**

- 2.2.7.1 Bags
- 2.2.7.2 Baskets
- 2.2.7.3 Blister packagings
- 2.2.7.4 Bottles
- 2.2.7.5 Buckets
- 2.2.7.6 Cans
- 2.2.7.7 Capsules
- 2.2.7.8 Carrier-bags and shopping bags
- 2.2.7.9 Cups
- 2.2.7.10 Drums
- 2.2.7.11 Gift wrap paper
- 2.2.7.12 Labels
- 2.2.7.13 Mailing tubes
- 2.2.7.14 Sacks
- 2.2.7.15 Small cases (etuis)
- 2.2.7.16 Trays
- 2.2.7.17 Trays (deep drawn or pressed)
- 2.2.7.18 Tubular jackets

### **2.2.8 Plastic from fossil/renewable raw materials**

- 2.2.8.1 Ampoules
- 2.2.8.2 Bag-in-box packagings
- 2.2.8.3 Bags
- 2.2.8.4 Bags for boiling and cooking
- 2.2.8.5 Barrels (with screw cap or with lid)
- 2.2.8.6 Baskets
- 2.2.8.7 Blister packagings
- 2.2.8.8 Bottles
- 2.2.8.9 Boxes (folded boxes, rigid boxes)
- 2.2.8.10 Buckets
- 2.2.8.11 Canisters
- 2.2.8.12 Cans
- 2.2.8.13 Capsules
- 2.2.8.14 Carrier-bags and shopping bags
- 2.2.8.15 Cartridges
- 2.2.8.16 Cases and similar containers
- 2.2.8.17 Containers for storage and transport
- 2.2.8.18 Containers with lid
- 2.2.8.19 Crates
- 2.2.8.20 Cups
- 2.2.8.21 Display packagings
- 2.2.8.22 Drums
- 2.2.8.23 Dunnage Trays
- 2.2.8.24 FIBC
- 2.2.8.25 Foils
- 2.2.8.26 Hobbocks
- 2.2.8.27 IBC
- 2.2.8.28 Insulating packaging
- 2.2.8.29 Jars
- 2.2.8.30 Mailing tubes
- 2.2.8.31 Nets
- 2.2.8.32 Sacks
- 2.2.8.33 Shrink films
- 2.2.8.34 Skin films
- 2.2.8.35 Small cases (etuis)
- 2.2.8.36 Stretch film
- 2.2.8.37 Tablet tubes
- 2.2.8.38 Trays
- 2.2.8.39 Trays (deep drawn or pressed)

- 2.2.8.40 Tubes
- 2.2.8.41 Tubular jackets
- 2.2.9 Plastic recycle**
- 2.2.9.1 Bags
- 2.2.9.2 Barrels (with screw cap or with lid)
- 2.2.9.3 Blister packaging
- 2.2.9.4 Bottles
- 2.2.9.5 Buckets
- 2.2.9.6 Cartridges
- 2.2.9.7 Cups
- 2.2.9.8 Dunnage Trays
- 2.2.9.9 FIBC
- 2.2.9.10 Foils
- 2.2.9.11 IBC
- 2.2.9.12 Jars
- 2.2.9.13 Nets
- 2.2.9.14 Sacks
- 2.2.9.15 Shipping bags
- 2.2.9.16 Small cases (etuis)
- 2.2.9.17 Trays
- 2.2.9.18 Tubular jackets
- 2.2.10 Solid fibreboard**
- 2.2.10.1 Bag-in-box packagings
- 2.2.10.2 Baskets
- 2.2.10.3 Blister packagings
- 2.2.10.4 Bottles
- 2.2.10.5 Boxes (folded boxes, rigid boxes, cut-outs)
- 2.2.10.6 Buckets
- 2.2.10.7 Canisters
- 2.2.10.8 Cans
- 2.2.10.9 Cases and similar containers
- 2.2.10.10 Containers for storage and transport
- 2.2.10.11 Crates
- 2.2.10.12 Display packagings
- 2.2.10.13 Drums
- 2.2.10.14 Mailing tubes
- 2.2.10.15 Tubular jackets
- 2.2.11 Steel**
- 2.2.11.1 Barrels (with screw cap or with lid)
- 2.2.12 Tinplate**
- 2.2.12.1 Bottles
- 2.2.12.2 Buckets
- 2.2.12.3 Canisters
- 2.2.12.4 Cans
- 2.2.12.5 Cases and similar containers
- 2.2.12.6 CD / DVD packs
- 2.2.12.7 Containers for storage and transport
- 2.2.12.8 Containers with lid
- 2.2.12.9 Hobbocks
- 2.2.12.10 Small cases (etuis)
- 2.2.13 Wood**
- 2.2.13.1 Barrels (with screw cap or with lid)
- 2.2.13.2 Baskets
- 2.2.13.3 Boxes
- 2.2.13.4 Cans
- 2.2.13.5 Containers for storage and transport
- 2.2.13.6 Cases and similar containers
- 2.2.13.7 Containers with lid
- 2.2.13.8 Crates
- 2.2.13.9 Trays

- 2.2.14 Woven material**
- 2.2.14.1 Carrier-bags and shopping bags
- 2.2.14.2 Containers for storage and transport
- 2.2.14.3 Nets
- 2.2.14.4 Sacks
- 2.2.15 Other material**
- 2.2.15.1 Gelatine capsules
- 2.2.16 Alternative packaging materials**
- 2.2.16.1 Bags
- 2.2.16.2 Bottles
- 2.2.16.3 Boxes
- 2.2.16.4 Cans
- 2.2.16.5 Cups
- 2.2.16.6 Foils
- 2.2.16.7 Insulating packaging
- 2.2.16.8 Nets
- 2.2.16.9 Protection packaging
- 2.2.16.10 Sacks
- 2.2.16.11 Trays
- 2.3 Auxiliary packaging means**
- 2.3.1 Bottle sleeves**
- 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. staples, nails)
- 2.3.4.4 Packaging straps
- 2.3.4.4.1 Composite material
- 2.3.4.4.2 Metal
- 2.3.4.4.3 Paper
- 2.3.4.4.4 Plastic
- 2.3.4.4.5 Textile
- 2.3.4.5 Packaging threads (string, twine, cord)
- 2.3.4.5.1 Plastic
- 2.3.4.5.2 Textiles
- 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 corks
- 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 foils / films

- 2.3.5.20 Portion controlling caps
- 2.3.5.21 Pouring 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
- 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 Veaded capsule 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 Air bubble film
  - 2.3.16.2 Air cushion pillow
  - 2.3.16.3 Corner edge protection
  - 2.3.16.4 foam material/foam plastic
  - 2.3.16.5 Packaging chips
- 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 Wood
  - 2.3.19.5 Paper pulp
- 2.3.20 Protective gases**
- 2.3.21 Sealing materials**
- 2.3.22 Valves**

## 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 craknel
  - 3.1.12 Production of foam sugar products
  - 3.1.13 Production of fondant masses
  - 3.1.14 Production of gum 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 Aerating equipment
  - 3.2.2 Beating machines
  - 3.2.3 Blending and granulating equipment
  - 3.2.4 Breaking drums
  - 3.2.5 Caramelisers
  - 3.2.6 Cleaning machines for cocoa beans, nuts, almonds and others
  - 3.2.7 Cluster equipment
  - 3.2.8 Coating machines
  - 3.2.9 Coating systems
  - 3.2.10 Cocoa bean crushers
  - 3.2.11 Cocoa mass and cocoa butter compression coolers
  - 3.2.12 Cocoa powder equipment
  - 3.2.13 Cocoa presses
  - 3.2.14 Compacting and briquetting presses
  - 3.2.15 Conches
  - 3.2.16 Conditioning machines
  - 3.2.17 Cooking equipment
  - 3.2.18 Crushing machines
  - 3.2.19 Cutting machines
  - 3.2.20 Decorating equipment
  - 3.2.21 Deep frying equipment
  - 3.2.22 Depositing equipment/depositors
  - 3.2.23 Depositing machines
  - 3.2.24 Deshelling equipment/machines for nuts, almonds and others
  - 3.2.25 De-Starching equipment
  - 3.2.26 De-tempering equipment
  - 3.2.27 Dosing and mixing equipment
  - 3.2.28 Drying equipment
  - 3.2.29 Enrobing equipment
  - 3.2.30 Extruders
  - 3.2.31 Filling systems
  - 3.2.32 Finishing machines
  - 3.2.33 Flaking rollers

- 3.2.34 Forming machines
- 3.2.35 Cutting machines
- 3.2.36 Freeze dryer
- 3.2.37 Freezing systems/Freezers
- 3.2.38 Granulating machines
- 3.2.39 Dryers
- 3.2.40 Hollow article moulding equipment
- 3.2.41 Kneader
- 3.2.42 Marzipan paste production machines
- 3.2.43 Melting equipment
- 3.2.44 Mills
- 3.2.45 Mixers
- 3.2.46 Mixing and kneading equipment
- 3.2.47 Mogul equipment
- 3.2.48 Moulding equipment
- 3.2.49 Moulding rollers, engraved
- 3.2.50 Moulds for solid and hollow article moulding equipment
- 3.2.51 Nougat cream production machines
- 3.2.52 Oiling equipment
- 3.2.53 Panning machines
- 3.2.54 Praline forming machines
- 3.2.55 Chocolate forming equipment
- 3.2.56 Bar forming equipment
- 3.2.57 Praline masses manufacturing machines
- 3.2.58 Pulling machines
- 3.2.59 Refining machines
- 3.2.60 Rework converting machines
- 3.2.61 Roasting and cooling equipment
- 3.2.62 Roasting machines
- 3.2.63 Rolling and scoring lines (sticks and pellets)
- 3.2.64 Rolling machines
- 3.2.65 Rope forming and sizing machines
- 3.2.66 Sheeters
- 3.2.67 Sieving machines, equipment
- 3.2.68 Spraying equipment
- 3.2.69 Spreading machines
- 3.2.70 Sprinkling equipment
- 3.2.71 Starch equipment
- 3.2.72 Sterilizing equipment for cocoa, nuts, almonds and others
- 3.2.73 Sugar sanding equipment
- 3.2.74 Tablet presses (confectionery)
- 3.2.75 Tempering equipment
- 3.2.76 Vermicelli and non-pareille equipment

### 3.3 Operating and auxiliary equipment for the production of confectionery (Chocolate confectionery, sugar confectionery, gum)

- 3.3.1 Cleaning and disinfection systems (CIP and HACCP)
- 3.3.2 Cleaning machines
- 3.3.3 Containers for charging/discharging machines
- 3.3.4 Cooling and air conditioning technology
- 3.3.5 Laboratory equipment
- 3.3.6 Lifting and tipping devices for containers
- 3.3.7 Magnetic separators
- 3.3.8 Metal detectors
- 3.3.9 Nozzle systems
- 3.3.10 Pumps
- 3.3.11 Pumps and valve systems
- 3.3.12 Sifting and classifying machines
- 3.3.13 Sorting equipment
- 3.3.14 Vacuum technology
- 3.3.15 Weighing equipment
- 3.3.16 Heat exchangers
- 3.3.17 Heat tunnels

## 4

### Machines and equipment for the production of bakery products, snacks and cereals (including biscuits, waffles, etc.)

#### 4.1

#### Complete lines for manufacturing bakery products, snacks and cereals (including biscuits, waffles, etc.)

- 4.1.1 Production of bread
- 4.1.2 Production of bread rolls
- 4.1.3 Production of cereals
- 4.1.4 Production of crackers
- 4.1.5 Production of crisp bread
- 4.1.6 Production of croissants
- 4.1.7 Production of deep fried pastries
- 4.1.8 Production of extruded flat bread
- 4.1.9 Production of extruded snacks
- 4.1.10 Production of flat breads and pizza
- 4.1.11 Production of lye dough pastries
- 4.1.12 Production of pastry products
- 4.1.13 Production of pies
- 4.1.14 Production of rusk
- 4.1.15 Production of sheet cakes
- 4.1.16 Production of special bread (baguette, chiabatta, focaccia)
- 4.1.17 Production of spritz biscuits
- 4.1.18 Production of sticks
- 4.1.19 Production of thin dough (filo dough) products
- 4.1.20 Production of toast
- 4.1.21 Production of wafer (flat wafers, hollow wafers, wafer cones, wafer cup)

#### 4.2

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

- 4.2.1 Biscuit and wafer filling equipment
- 4.2.2 Bread roll forming equipment
- 4.2.3 Coating machines
- 4.2.4 Cooking extruders
- 4.2.5 Cooling equipment
- 4.2.6 Ice cream machines (chip ice, flake ice)
- 4.2.7 Cutting machines
- 4.2.8 Deep frying equipment
- 4.2.9 Depositing machines
- 4.2.10 Dosing and mixing equipment
- 4.2.11 Dough band formers
- 4.2.12 Dough dividing machines
- 4.2.13 Dough rollers
- 4.2.14 Drying equipment
- 4.2.15 Enrobing equipment
- 4.2.16 Extruders
- 4.2.17 Filling systems
- 4.2.18 Flaking rollers
- 4.2.19 Forming machines
- 4.2.20 Cutting machines
- 4.2.21 Guillotines
- 4.2.22 Dryers
- 4.2.23 Hollow wafer stick equipment
- 4.2.24 Industrial proofing systems
- 4.2.25 Kneader
- 4.2.26 Laminators
- 4.2.27 Mixers
- 4.2.28 Mixing and kneading equipment
- 4.2.29 Moulding machines for pastries
- 4.2.30 Moulding rollers, engraved
- 4.2.31 Multi-deck baking ovens

- 4.2.32 Puffing equipment
- 4.2.33 Punching and cutting machines for raw pastries
- 4.2.34 Refining machines
- 4.2.35 Sheeters
- 4.2.36 Spraying equipment
- 4.2.37 Spreading machines
- 4.2.38 Steam cooking equipment
- 4.2.39 Tunnel ovens
- 4.2.40 Twisting machines
- 4.2.41 Wafer baking ovens
- 4.2.42 Wafer cream production equipment
- 4.2.43 Wire-cut and roll-out biscuit machines

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

- 4.3.1 Cleaning and disinfection systems (CIP and HACCP)
- 4.3.2 Cleaning machines
- 4.3.3 Containers for charging/discharging machines
- 4.3.4 Cooling and air conditioning technology
- 4.3.5 Laboratory equipment
- 4.3.6 Lifting and tipping devices for containers
- 4.3.7 Magnetic separators
- 4.3.8 Metal detectors
- 4.3.9 Nozzle systems
- 4.3.10 Pumps
- 4.3.11 Pumps and valve systems
- 4.3.12 Sifting and classifying machines
- 4.3.13 Sorting equipment
- 4.3.14 Vacuum technology
- 4.3.15 Weighing equipment
- 4.3.16 Heat exchangers
- 4.3.17 Heat tunnels

## **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)**

## **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 lines for solida production
- 6.1.2 Complete lines for liquida production
- 6.1.3 Complete lines for semi-solida production
- 6.1.4 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 Containter systems
- 6.2.7 Crystallization equipment
- 6.2.8 Crusher
- 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 Stirrers
- 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 Weighing equipment
- 6.3.27 WIP/CIP cleaning

**7****Packaging production, Converting and packaging printing****7.1****Machines for the production of packaging and packaging components**

- 7.1.1 Adhesive tape, adhesive strips
- 7.1.2 Ampoules, vials and similar containers
- 7.1.3 Bags
- 7.1.4 Barrels and drums
- 7.1.5 Big-bags
- 7.1.6 Bottles, jerry cans and similar containers
- 7.1.7 Boxes, cases and similar containers
- 7.1.8 Buckets
- 7.1.9 Cans
- 7.1.10 Cardboard boxes
- 7.1.11 Cups
- 7.1.12 Flexible packagings
- 7.1.13 Labels
- 7.1.14 Mailing tubes
- 7.1.15 Metal containers
- 7.1.16 Packaging jars
- 7.1.17 Padding materials and inserts
- 7.1.18 Pallets
- 7.1.19 Sacks
- 7.1.20 Seals and other packaging components
- 7.1.21 Tape, twine, wires
- 7.1.22 Trays and similar containers
- 7.1.23 Tubes
- 7.1.24 Valves

**7.2****Machines and equipment for the finishing of packaging media****7.3****Machines and equipment for the printing of packaging media****8****Labelling and marking****8.1****Labelling machines**

- 8.1.1 Hot glue labelling machines
- 8.1.2 Hot melt glue labelling machines
- 8.1.3 Hot seal labelling machines
- 8.1.4 Labelling machines for tag labels
- 8.1.5 Pressure sensitive labelling machines
- 8.1.6 Sleeve labelling machines
- 8.1.7 Wet glue labelling machines

**8.2****Digital direct printing devices****8.3****Coding devices****8.4****Embossing systems****8.5****Printer (Thermo, Inkjet, Matrix)****8.6****Laser coding systems****9****Storage, logistics and transport equipment****9.1****Conveying and storage systems****9.2****Feeding systems****9.3****Product and material handling****9.4****Silos and accessories****9.5****Stacking devices****9.6****Storage systems****9.7****Take-off systems****9.8****Tanks (heated)****9.9****Transport trolley****9.10****Transport and handling systems****10****Services****10.1****Business support**

- 10.1.1 Assembly, maintenance and repair services
- 10.1.2 Consulting and project planning of track & trace solutions
- 10.1.3 Contract packaging and fulfilment
- 10.1.4 Leasing / rental services
- 10.1.5 Operating (Co-Packing)
- 10.1.6 Packaging consulting
- 10.1.7 Packaging design
- 10.1.8 Packaging waste disposal and recycling
- 10.1.9 Project planning and implementation of packaging lines
- 10.1.10 Recycling operators
- 10.1.11 Remote diagnosis / teleservice
- 10.1.12 Retrofit
- 10.1.13 Software solutions for the manufacturing and packaging process
- 10.1.14 Trainings

**10.2****Trade press**

- 10.2.1 Online media
- 10.2.2 Trade books
- 10.2.3 Trade magazines

**10.3****Research and teachings**

- 10.3.1 Institutes
- 10.3.2 Universities and Universities of applied sciences

**10.4****Associations and branch organizations**