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**28ª WORLD EXHIBITION FOR  
WOODWORKING TECHNOLOGY  
AND COMPONENTS FOR THE FURNITURE INDUSTRY  
MILAN (ITALY) - FIERAMILANO - FAIRGROUNDS RHO  
MAY 21/24, 2024**



**CLASSIFIED INDEX OF PRODUCTS**

## MAIN CATEGORIES

- 00 Machines, technical equipment and services for forestry
- 01 Machines and technical equipment for primary processing (production of semifinished products)
- 02 Machines and technical equipment for secondary processing (laminating, machining, gluing)
- 03 Machines and technical equipment for surface finishing
- 04 Machines and technical equipment for assembly, packaging
- 05 Materials handling, warehousing and commissioning technology
- 06 Robots technology
- 10 Machines and plants for special processes
- 11 Machines and plants for special product groups
- 18 Xiliary machines, equipment and devices; other
- 19 Portable machines for processing of timber, plastics, composites and other materials
- 20 Tools and auxiliaries
- 21 Machines, equipment and tools for maintenance and manufacturing of tools
- 22 Products for the equipment of machines
- 30 Use of residual wood (dust, chips, firewood, bark), generation of energy and heating using wood fuels
- 31 Energy saving, environmental protection, occupational safety, fire prevention and air-conditioning
- 40 Electronic data acquisition and data processing equipment; measuring, testing and control systems
- 70 Materials, elements, products and accessories for the wood and furniture industry
- 80 Delivery of complete plants, financing and leasing companies
- 90 Independent computer software (cad, erp, production planning and control, etc.)
- 95 Independent services for the wood industries
- 96 Research and testing institutes, educational institutions for the timber and woodworking industries (universities, technical colleges, etc.)
- 97 Publishers of literature for the timber and woodworking industries

## **00 MACHINES, TECHNICAL EQUIPMENT AND SERVICES FOR FORESTRY**

### **00.01 Machines, equipment, tools and auxiliary equipment for ...**

- 00.01.01 Soil cultivation
- 00.01.02 Fertilising
- 00.01.03 Forestry collection and plant production
- 00.01.04 Forest protection
- 00.01.05 Forestry track and waterway development
- 00.01.06 Tending of young growth and forest crops
- 00.01.07 Crop improvement, pruning and thinning
- 00.01.08 Plant and tree nurseries
- 00.01.09 Seed, site preparation and planting
- 00.01.10 Forestry surveying
- 00.01.11 Silviculture, site / soil rehabilitation, forest protection
- 00.01.12 Preservation of wood, pest control

### **00.02 Wood harvesting and skidding**

- 00.02.01 Machines and equipment for pruning
- 00.02.02 Debarking machines and equipment
- 00.02.03 Harvesting machines
- 00.02.04 Forest tractors, specialised forest tractors and equipment
- 00.02.05 Skidding and cable logging
- 00.02.06 Cranes and other forest equipment
- 00.02.07 Portable chain saws and auxiliary equipment
- 00.02.08 Drag carts / skidding trailer
- 00.02.09 Skidding cables, skidding choker, safety belt and assessment
- 00.02.10 Skidding winches, skidding tongs
- 00.02.11 Lubricants and fuel for forestry machines

### **00.03 Forestry tools and auxiliary equipment**

- 00.03.01 Axes, hatchets
- 00.03.02 Chains
- 00.03.03 Knives
- 00.03.04 Clippers
- 00.03.05 Ropes and cables
- 00.03.06 Anchor log, log cribbing
- 00.03.07 Equipment and auxiliary material for marking, labeling and numbering in the forest

### **00.04 Vehicles for timber transport and handling**

- 00.04.01 Truck loading cranes and log grabs
- 00.04.02 Shortwood trailers
- 00.04.03 Short loggers
- 00.04.04 Log trucks
- 00.04.05 Trailers
- 00.04.06 Auxiliary equipment for wood transport, forest machinery and vehicles

**00.05 Telecommunication facilities and mobile data processing for forestry**

- 00.05.01 Equipment and systems for forest inventories
- 00.05.02 Equipment and systems for measuring timber
- 00.05.03 Stock management and logistics
- 00.05.04 Software for forestry
- 00.05.05 Forest fire monitoring and fire fighting

**00.06 Occupational safety for forestry**

- 00.06.01 Protective clothing and work clothes
- 00.06.02 Protective equipment

**00.07 Services for forestry**

- 00.07.01 Work preparation and techniques
- 00.07.02 Services for wood harvesting
- 00.07.03 Forest inventory, forest monitoring
- 00.07.04 Forest certification
- 00.07.50 Independent engineering and consulting services for the forestry industry
- 00.07.99 "Services for the forestry industry; other"

**00.08 Publishers of literature for the forestry industry**

- 00.08.01 Technical journals and periodicals for the forestry industry
- 00.08.03 Technical books for the forestry industry
- 00.08.04 Web based publications for the forestry industry

**00.09 Research and testing institutes, educational institutions (universities, technical colleges, etc.) for the forestry industry**

- 00.09.01 Educational institutions for the forestry industry
- 00.09.02 Research institutions for the forestry industry
- 00.09.03 Testing institutions for the forestry industry

**00.10 Environmental protection for the forestry industry**

- 00.10.01 Mobile fuel tanks and pumps
- 00.10.02 Storage of water polluting materials (oil etc.)
- 00.10.03 Storage of hazardous materials

## **01 MACHINES AND TECHNICAL EQUIPMENT FOR PRIMARY PROCESSING (PRODUCTION OF SEMI-FINISHED PRODUCTS)**

### **01.01 Roundwood yard**

- 01.01.01 Mobile log conveyors
- 01.01.02 Cranes for roundwood yards
- 01.01.03 Stationary conveying devices for roundwood yards
- 01.01.04 Storage systems for roundwood yards
- 01.01.05 Log sorting stations
- 01.01.06 Sprinkling systems for wet preservation of wood
- 01.01.07 Machinery and tools for debarking of roundwood
- 01.01.08 Rotating log reducers / butt end reducers
- 01.01.09 Cross-cut saws
  - 01.01.09.01 Mobile chain saws
  - 01.01.09.02 Stationary chain saws
  - 01.01.09.03 Cross-cut circular saws
  - 01.01.09.04 Cutting to length station with continuous feed
- 01.01.10 Plants for measuring and optimization of roundwood
- 01.01.11 Metal detectors and removers for roundwood
- 01.01.12 Tools for marking and labeling of roundwood and logs

### **01.02 Sawmilling technology (sawn timber production)**

- 01.02.01 Log conversion and resawing machines
  - 01.02.01.01 Horizontal frame saws
  - 01.02.01.02 Vertical frame saws
  - 01.02.01.03 Log band saws, horizontal
  - 01.02.01.04 Log band saws, vertical
  - 01.02.01.05 Band resaws
  - 01.02.01.06 Multiple band saws
  - 01.02.01.07 Single arbour circular saws for roundwood
  - 01.02.01.08 Double arbour circular saws for roundwood
  - 01.02.01.09 Circular saws with freewheeling carriage for roundwood
  - 01.02.01.10 Circular saws for construction timber
  - 01.02.01.11 Chipper canters / profiling lines
  - 01.02.01.12 Chipper- / band saw combinations
  - 01.02.01.13 Chipless cutting machines for boards and laminated material
  - 01.02.01.14 Circular saws with carriage for resawing

01.02.01.15	Circular resaws
01.02.01.16	Single arbor edger / rip saw
01.02.01.17	Double arbor edger / rip saw
01.02.01.18	Combined vertical-horizontal circular saws
01.02.01.19	Optimizing board edgers
01.02.01.20	Cross-cutting saws
01.02.01.21	Continuous trim saws
01.02.01.22	Cross-cut saws with guide bar for timber packs
01.02.02	Equipment for transportation, sorting and stacking of sawn timber
01.02.02.01	Timber sorting stations
01.02.02.02	Conveyors for sawn timber (roller conveyors / tracks, cross-transfer units, etc.)
01.02.02.03	Timber stacking and bundling stations
01.02.03	Measuring and registration of sawn timber
01.02.04	Mobile log saws
01.02.04.01	Mobile log band saws
01.02.04.02	Mobile log circular saws

### **01.03 Drying, steaming and impregnation of solid timber and other materials**

01.03.01	Steaming plants
01.03.02	Kiln dryers
01.03.02.01	Conventional dryers
01.03.02.02	Vacuum dryers
01.03.02.03	Condensation dryers, e.g. heat pump dryers
01.03.02.04	Dryers for special processes (e.g. high frequency drying, micro wave drying)
01.03.03	Wood moisture measuring equipment
01.03.03.01	Moisture meters, hand-held
01.03.03.02	Moisture meters, inline
01.03.04	Kiln control equipment
01.03.05	Impregnating plants
01.03.06	Plants for heat treatment of wood for changing its physical characteristics
01.03.07	Plants for chemical treatment of wood for changing its appearance (e.g. by ammonia, oils etc.)

### **01.04 Production of veneers**

01.04.01	Steaming / cooking plants for veneer flitches
01.04.02	Specialised sawing machines for sawing of veneer logs
01.04.03	Flitch planers
01.04.04	Veneer slicers

01.04.05	Rotation slicers
01.04.06	Veneer peelers
01.04.07	Centering and loading equipment
01.04.08	Staylog devices
01.04.09	Veneer reeling, sorting and offloading equipment
01.04.10	Conveying and storage equipment (magazines) for sliced and peeled veneers
01.04.11	Veneer dryers
01.04.11.01	Belt dryers
01.04.11.02	Roller dryers
01.04.11.03	Press / ironing dryers
01.04.12	Inline wood moisture control equipment for veneer dryers
01.04.13	Veneer guillotines / clippers
01.04.13.01	Sliced veneer guillotines
01.04.13.02	Peeled veneer clippers
01.04.14	Devices / plants for measuring and labeling of veneers
01.04.15	Veneer bundling machines

#### **01.05 Production of solid coating materials based on paper (laminates, films, etc.)**

01.05.01	Lines for impregnating and coating of papers and tissue
01.05.02	Air flotation dryers for impregnated / coated papers
01.05.03	Resin blenders and proportioning devices / systems
01.05.04	Cycle presses for laminates (e.g. HPL)
01.05.05	Continuous-type presses for laminates (e.g. CPL)
01.05.06	Laminate and film cutting machines
01.05.06.01	Laminate and film clippers
01.05.06.02	Laminate and film cutting machines with roller shear knives
01.05.07	Systems for production data acquisition and quality monitoring for solid coating materials

#### **01.06 Production of veneer plywood and laminated veneer lumber**

01.06.01	Jointing machines for peeled veneer
01.06.02	Splicers for peeled veneer
01.06.03	Scarfig lines for peeled veneer
01.06.04	Core stock gluing machines (cutting to length, gluing, pressing, etc.)
01.06.05	Glue spreaders for veneers and boards
01.06.06	Block presses for plywood and laminated veneer lumber
01.06.07	Plywood presses for flat surfaces
01.06.09	Equipment for glue preparation, proportioning and transport for plywood plants

- 01.06.10 Conveying and storage equipment for plywood plants
- 01.06.11 Systems for production data acquisition and quality monitoring for plywood plants

**01.07 Production of particle board, fibre board and OSB**

- 01.07.01 Crushers for waste materials, e.g. waste wood, demolition wood, used wood products etc.
- 01.07.02 Chipper and chipping mills
- 01.07.03 Flakers
  - 01.07.03.01 Long log flakers
  - 01.07.03.02 Flakers for industrial waste wood (slabs, offcuts, etc.) and other materials
  - 01.07.03.03 Knife ring flakers for hogged wood and other materials
- 01.07.04 Hammermills, beating flakers
- 01.07.05 Grinders for shavings, flakes, sawdust, etc. (impact mills, sieving mills, etc.)
- 01.07.06 Cleaning plants for hogged wood
- 01.07.07 Conveying and storage equipment for hogged wood chips, fibres, etc.
- 01.07.08 Refiners
- 01.07.09 Dryers for chips, fibres, strands
- 01.07.10 Sifting / screening equipment
- 01.07.11 Glue preparation and dosing equipment
- 01.07.12 Gluing and mixing equipment
- 01.07.13 Spreading and matforming systems
- 01.07.14 Belt scales
- 01.07.15 Moisturing equipment for chips and fibre mats
- 01.07.16 Presses
  - 01.07.16.01 Cycle pre-presses
  - 01.07.16.02 Continuous pre-presses
  - 01.07.16.03 Multi-daylight presses
  - 01.07.16.04 Single daylight presses
  - 01.07.16.05 Continuous-type presses
  - 01.07.16.06 Calender presses
- 01.07.17 Panel edging machines
- 01.07.18 Running cross-cut saws
- 01.07.19 Cooling stations
- 01.07.20 Sanding lines
- 01.07.21 Panel dividing machines
- 01.07.22 Warehousing, handling, commissioning equipment for panels
- 01.07.23 Packaging equipment for panels



01.07.24 Systems for production data acquisition and quality monitoring for particle board, fibre board and OSB plants

01.07.25 Special equipment components for machinery and plants for particle boards, fibre boards and OSB production

01.07.26 Separating technology

#### **01.08 Production of lightweight boards / sandwich elements**

01.08.01 Machines for expanding and drying honeycombs

01.08.02 Machines for panel frames

01.08.03 Machines for core composition

01.08.04 Presses for lightweight boards / sandwich elements production

#### **01.09 Production of contoured surfaces and mouldings**

01.09.01 Presses for moulded parts of particles, fibres and other materials

01.09.02 Presses for contoured surfaces and mouldings of plywood or other laminates

01.09.03 Extruders

#### **01.99 Machines and technical equipment for primary processing, other**

### **02 MACHINES AND TECHNICAL EQUIPMENT FOR SECONDARY PROCESSING (LAMINATING, MACHINING, GLUING)**

#### **02.01 Veneer processing**

02.01.01 Veneer ironing presses

02.01.02 Veneer cross-cutters

02.01.03 Veneer pack shears

02.01.03.01 Single knife veneer pack shears

02.01.03.02 Double knife veneer pack shears

02.01.04 Veneer strip sizing machines

02.01.05 Circular saws for veneer packs

02.01.06 Edge planing / cutting machines for veneer packs

02.01.07 Machines for glue application on veneer edges

02.01.08 Longitudinal veneer splicers

02.01.09 Cross-feed veneer splicers

02.01.10 End gluing machines

02.01.11 Machines and equipment for lengthwise joining of veneers (e.g. by means of finger joints)

02.01.12 Veneer patching machines

02.01.13 Equipment for measuring and optimizing of veneers

02.01.14 Luminous tables for veneer inspection

02.01.15 Veneer tenderizing machines (flexer)

## **02.02 Presses, laminating and profile wrapping machines for solid coating materials (veneering, laminating, film coating, etc.)**

- 02.02.01 Brushing and cleaning machines for workpieces
- 02.02.02 Glue spreaders for boards / veneers
- 02.02.03 Mechanical feeding, storing and laying systems for coating materials
- 02.02.04 Cycle presses
  - 02.02.04.01 Hand-fed cycle presses
  - 02.02.04.02 Mechanised fed cycle presses / short-cycle presses
  - 02.02.04.03 Block cycle presses for laminating
  - 02.02.04.04 Cycle presses for laminating of moulded parts
  - 02.02.04.05 Membrane presses
- 02.02.05 Continuous press / laminating systems
  - 02.02.05.01 Double-band presses
  - 02.02.05.02 Foil roll-on lines / continuous surface laminating plants
  - 02.02.05.03 Continuous surface laminating plants with integrated edge-wrapping units
  - 02.02.05.04 Profile wrapping machines
- 02.02.06 Machines for the application of protective films
- 02.02.07 Gilding machines for hot application of gold foil
- 02.02.08 Aggregates for dividing and trimming of coated parts
- 02.02.09 Equipment for loading, offloading and conveying of laminated parts
- 02.02.10 Equipment for glue preparation, proportioning and transport
- 02.02.11 Fleece backing machines for veneer and synthetic coating material

## **02.03 Sawing machines for further processing of solid wood, wood-based panels, plastics, composites and other materials**

- 02.03.01 Undercut cross-cutting saws
- 02.03.02 Topcut cross-cutting saws
  - 02.03.02.01 Pendulum saws
  - 02.03.02.02 Radial arm saws
- 02.03.03 Optimizing cross-cutting saws
- 02.03.04 Single and double mitre saws
- 02.03.05 Multi-blade trimming circular saws
- 02.03.06 Single blade circular saws with moving saw unit
- 02.03.07 Single- and multi-blade circular saws for edging or ripping
- 02.03.08 Special sawing machines for thin saw kerfs
  - 02.03.08.01 Frame saws for thin saw kerfs
  - 02.03.08.02 Circular saws for thin saw kerfs

02.03.09	Table saws
02.03.10	Sliding table saws
02.03.11	Vertical panel saws
02.03.12	Horizontal panel saws with pressure beam
02.03.12.01	Horizontal panel saws with pressure beam for longitudinal cuts
02.03.12.02	Horizontal panel saws with pressure beam for cross cuts
02.03.12.03	Horizontal panel saws with pressure beam for longitudinal and cross cuts (angular system)
02.03.13	Overhead panel saws (portal saws) for longitudinal and / or cross-cutting
02.03.14	Narrow band saws
02.03.15	Copying band saws
02.03.16	Jig saws
02.03.17	Notching saws
02.03.18	Sawing machines for building sites
02.03.19	CNC band saws
02.03.20	Double panel sizing circular sawing machines for parallel and / or squaring cuts, hand feed
02.03.21	Optimizing rip saws

#### **02.04 Moulding and planing machines**

02.04.01	Surface planers
02.04.02	Thickness planers
02.04.03	Scraper machines
02.04.04	Planing / sawing machines
02.04.05	Planer / sander combinations
02.04.06	Angular-edge surface planers for surfacing and jointing in one operation
02.04.07	Two-side thicknessing planers for surfacing and thicknessing in one operation
02.04.08	Three- and four-side planers
02.04.09	Moulding machines for three-and four-side machining
02.04.10	Face milling machines for one and multi-side machining
02.04.11	Single-spindle moulders
02.04.12	Finger jointing machines
02.04.13	Routers
02.04.14	CNC routers
02.04.15	Copy moulders
02.04.15.01	Copy moulders for longitudinal processing of moulded parts (also with additional sanding units, etc.)
02.04.15.02	Copy moulders with rotating table (also with additional sanding units, etc.)

- 02.04.15.03 Copy moulders with tool control by pattern and automatic rotation of workpiece (with one or more spindles, also with additional sanding units)
- 02.04.16 Double-sided CNC moulding (and sanding) machines for contoured parts
- 02.04.17 Copy carving machines
- 02.04.18 Rod moulders
- 02.04.19 Lip trimmers
- 02.04.20 Round rod moulders
- 02.04.21 Spiral moulders
- 02.04.22 Mitre moulders
- 02.04.23 Mullion moulders
- 02.04.24 Groove cutters for stairs, ladders and louvres
- 02.04.25 Decorative strip moulders
- 02.04.26 Scarf moulders
- 02.04.99 Moulding machines for special applications

#### **02.05 Finger jointing technology**

- 02.05.01 Machines for cutting finger joints
- 02.05.02 Glue application systems for finger joints
- 02.05.03 Finger jointing presses
- 02.05.04 Finger jointing lines for cross-cutting, cutting finger joints, glue application, pressing, etc.

#### **02.06 Tenoning machines**

- 02.06.01 End tenoners for straight tenons
- 02.06.01.01 Single-end tenoners for straight tenons
- 02.06.01.02 Double-end tenoners for straight tenons
- 02.06.02 Round end tenoners
- 02.06.02.01 Single round end tenoners
- 02.06.02.02 Double round end tenoners

#### **02.07 Profiling and sizing machines (trimming, length cutting, profiling, sanding, etc.)**

- 02.07.01 Single-end profilers / sizing machines for non-flat parts, e.g. scantlings
- 02.07.02 Single-end profilers / sizing machines for flat parts, e.g. panels
- 02.07.03 Double-end profilers / sizing machines for non-flat parts, e.g. scantlings
- 02.07.04 Double-end profilers / sizing machines for flat parts, e.g. panels

#### **02.08 Edge banding machines (edge banding, trimming, sanding, etc.)**

- 02.08.01 Single-end edge banding machines
- 02.08.01.01 Single-end edge banding machines for straight edges
- 02.08.01.02 Single-end edge banding machines for softforming
- 02.08.01.03 Single-end edge banding machines for shaped / curved parts

- 02.08.02 Double-end edge banding machines
- 02.08.02.01 Double-end edge banding machines for straight edges
- 02.08.02.02 Double-end edge banding machines for softforming
- 02.08.02.03 Double-end edge banding machines for shaped / curved parts
- 02.08.03 Table edge banding machines

#### **02.09 Sizing and edge banding machines (sizing, profiling, edge banding, trimming, sanding, etc.)**

- 02.09.01 Single-end sizing and edge banding machines
- 02.09.01.01 Single-end sizing and edge banding machines for straight edges
- 02.09.01.02 Single-end sizing and edge banding machines for softforming
- 02.09.01.03 Single-end sizing and edge banding machines for shaped / curved parts
- 02.09.02 Double-end sizing and edge banding machines
- 02.09.02.01 Double-end sizing and edge banding machines for straight edges
- 02.09.02.02 Double-end sizing and edge banding machines for softforming
- 02.09.02.03 Double-end sizing and edge banding machines for shaped / curved parts

#### **02.10 Postforming machines**

- 02.10.01 Postforming machines for stationary processing
- 02.10.02 Postforming machines for through-feed processing
- 02.10.02.01 Postforming machines for laminates
- 02.10.02.02 Direct-postforming machines for laminated / veneered panels

#### **02.11 Folding systems**

- 02.11.01 Longitudinal folding systems
- 02.11.02 Mitre cutting machines for cross-folding
- 02.11.03 Carcass presses / gluing stations for cross-folding
- 02.11.04 Cross-folding systems (cutting to length, mitre cutting, glue application, folding, pressing, etc.)

#### **02.12 Machines for boring, dowel-driving and hardware inserting**

- 02.12.01 Boring machines with one or several boring heads
- 02.12.01.01 Universal multispindle boring machines, stationary processing
- 02.12.01.02 Multispindle boring machines with horizontal and / or vertical heads, stationary processing
- 02.12.01.03 Through feed multi-spindle boring machines with horizontal and / or vertical heads
- 02.12.02 Dowel hole boring machines for rack, frame and other prismatic components, stationary or through feed processing
- 02.12.03 Boring machines for sawing, moulding, boring and dowel-driving
- 02.12.04 Machines for boring, milling, hardware inserting, etc.
- 02.12.05 CNC boring machines
- 02.12.05.01 CNC boring machines for stationary processing

- 02.12.05.02 Through feed CNC boring machines
- 02.12.06 Dowel driving machines (gluing, driving-in)
- 02.12.07 Machines for hardware inserting
- 02.12.08 Knothole boring machines
- 02.12.09 Bench- and column-type boring machines
- 02.12.10 Slot boring machines

#### **02.13 Hardware recessing machines**

#### **02.14 Mortising machines**

- 02.14.01 Mortisers with orbital tool action
- 02.14.02 Chain mortisers
- 02.14.03 Chisel mortisers
- 02.14.04 Mortisers, optionally for chain or chisel

#### **02.15 Turning machines**

- 02.15.01 Turning lathes
- 02.15.02 Facing lathes
- 02.15.03 Profiling lathes
- 02.15.04 Copying lathes with tool control by template
- 02.15.05 CNC lathes

#### **02.16 Sanding machines**

- 02.16.01 Longbelt sanders with table
- 02.16.02 Longbelt sanders with mechanical feed
- 02.16.03 Wide-belt sanders
- 02.16.04 Cross-belt / wide-belt sanders
- 02.16.05 Veneer sheet sanders
- 02.16.06 Abrasive calibrating machines
- 02.16.07 Wide-belt sanders for calibrating and sanding
- 02.16.08 Drum sanders for surface sanding
- 02.16.09 Sanders for curved and moulded components
- 02.16.10 Sanders for intermediate lacquer sanding
- 02.16.11 Profile sanders
  - 02.16.11.01 Single-end profile sanders
  - 02.16.11.02 Double-end profile sanders
- 02.16.12 Bobbin sanders
- 02.16.13 Belt sanders
- 02.16.14 Disc sanders

- 02.16.15 Sanders for round rods
- 02.16.16 Sanders for lathe turned parts
- 02.16.17 CNC sanding centres for complete sanding of all surfaces

#### **02.17 Polishing and buffing machines**

- 02.17.01 Polishing machines for flat surfaces
- 02.17.02 Polishing machines for mouldings
- 02.17.03 Polishing machines for strips
- 02.17.04 Polishing / buffing machines with automatic feed
- 02.17.05 Buffing stands

#### **02.18 Forming machines**

- 02.18.01 Bending machines
- 02.18.02 Embossing machines
- 02.18.02.01 Stationary embossing machines
- 02.18.02.02 Through feed embossing machines
- 02.18.99 "Forming machines; other"

#### **02.19 Combined machines (space-induced combinations)**

- 02.19.01 Surfacers and thicknessers
- 02.19.02 Combined circular saws and moulders
- 02.19.03 Combined circular saws, moulders and slot mortisers
- 02.19.04 Combined circular saws, surfacers, moulders and slot mortisers
- 02.19.05 Universal combined machines for carpentry and joinery
- 02.19.06 Universal combined machines for DIY
- 02.19.99 "Combined machines; other"

#### **02.20 Machining centres (stationary processing)**

- 02.20.01 Machining centres for sawing, routing, profiling, boring, sanding
- 02.20.02 Machining centres for edge-banding
- 02.20.03 Machining centres for routing, sawing, boring, edge banding
- 02.20.04 Machining centres for routing, sawing, boring, hardware and dowel inserting, etc.

#### **02.21 Manufacturing cells**

#### **02.22 Presses and equipment for gluing of solid timber components and other materials**

- 02.22.01 Vertical edge joint gluing machines
- 02.22.02 Continuous feed edge joint gluing presses for boards and scantlings
- 02.22.03 Core composer / board gluing machines
- 02.22.04 Laminated timber presses / clamps for construction timber, glulam, etc.

#### **02.23 Presses / clamps for corner joints**

- 02.23.01 Universal table presses
- 02.23.02 Frame clamps
- 02.23.03 Semicircular arch joint gluing machines

#### **02.24 Punch presses**

- 02.24.01 Punch presses for mitres
- 02.24.02 Punch presses for muntin bars
- 02.24.99 "Punch presses; other"

### **03 MACHINES AND TECHNICAL EQUIPMENT FOR SURFACE FINISHING**

#### **03.01 Coating with liquid materials (lacquering, etc.)**

- 03.01.01 Surface pre-conditioning
  - 03.01.01.01 Sand-blasting equipment
  - 03.01.01.02 Texturing / brushing machines
  - 03.01.01.03 Cleaning brushes
- 03.01.02 Bleaching and staining plants
- 03.01.03 Filler applying machines by knife or roller
- 03.01.04 Printing (e.g. wood grain) plants
- 03.01.05 Automatic spraying machines / robots for spray finishing
- 03.01.06 Rotation spraying systems
- 03.01.07 Electrostatic spraying equipment
- 03.01.08 Curtain coaters
- 03.01.09 Roller coaters
- 03.01.10 Vacuum coaters
- 03.01.11 Dipping equipment
- 03.01.12 Flooding systems
- 03.01.13 Edge coating systems
- 03.01.14 Drum coating systems
- 03.01.15 Spray walls and booths
- 03.01.16 Lacquer drying and curing lines
- 03.01.17 Conveyers for lacquering plants
- 03.01.18 Equipment for preparation, dosing and transport of liquid coating materials (e.g. lacquer, stain, etc.)

#### **03.02 Surface finishing with solid materials**

- 03.02.01 Machines and equipment for powder coating
- 03.02.02 Plaster coating machines



- 03.02.03 Engraving and coating machines on wood and with wood pulp
- 03.02.99 "Machines and equipment for coating with solid material; other"

### **03.03 Machines and equipment for pyrography or marking**

## **04 MACHINES AND TECHNICAL EQUIPMENT FOR ASSEMBLY, PACKAGING**

### **04.01 Assembly technology**

- 04.01.01 Pre-assembly lines for furniture parts
- 04.01.02 Carcass gluing station
  - 04.01.02.01 Glue spreading stations for carcass components
  - 04.01.02.02 Pre-clamping station
  - 04.01.02.03 Carcass clamps
- 04.01.03 Final assembly work stations for furniture parts, carcass furniture
- 04.01.04 Final assembly lines for furniture
- 04.01.05 Assembly work stations and lines for windows, doors and facade elements
- 04.01.99 "Assembly systems; other"

### **04.02 Nailing, stapling and screw-setting machines**

- 04.02.01 Nailing machines
- 04.02.02 Stapling and stitching machines
- 04.02.03 Screw-setting machines

### **04.03 Packaging technology**

- 04.03.01 Packaging machines for furniture parts and carcass furniture
- 04.03.02 Packaging machines for flat parts (floor elements, panels, etc.)
- 04.03.03 Packaging machines for boards, custom sized boards, etc.
- 04.03.99 "Packaging machines; other"

## **05 MATERIALS HANDLING, WAREHOUSING AND COMMISSIONING TECHNOLOGY**

### **05.01 Materials handling technology**

- 05.01.01 Off-road forklifts, front and side forklifts including auxiliary equipment
- 05.01.03 Lifting tables
- 05.01.04 Stacking and bundling stations
- 05.01.05 Vacuum lifting equipment
- 05.01.06 Infeed units
- 05.01.07 Outfeed and stacking units
- 05.01.08 Board turning stations
- 05.01.09 Angle transfer stations

05.01.10	Cross conveyors
05.01.11	Reverse conveyors
05.01.12	Roller conveyors
05.01.12.01	Driven roller conveyors
05.01.12.02	Undriven roller conveyors
05.01.13	Belt conveyors
05.01.14	Overhead conveyors
05.01.15	Transport trolleys, shelf trolleys, etc.
05.01.16	Commissioning trolleys, commissioning containers
05.01.17	Roller stands
05.01.18	Feeding units for joiners machines (surface planers, single-spindle moulders etc.)
05.01.90	Specialised materials handling technology
05.01.90.01	Specialised materials handling technology for optimizing rip saws
05.01.90.02	Specialised materials handling technology for finger jointing lines
05.01.90.03	Specialised materials handling technology for planing lines
05.01.90.04	Specialised materials handling technology for sawing lines
05.01.90.20	Specialised feeding systems for crushers, chippers etc.
05.01.90.99	"Specialised materials handling technology; other"

## **05.02 Warehousing and commissioning technology**

05.02.01	Shelving systems
05.02.02	Storage and retrieval equipment for shelves and racks
05.02.03	Sorting and commissioning systems
05.02.04	Storage and commissioning systems for large boards (e.g. stacking cranes)
05.02.99	"Storage systems; other"

## **06 ROBOTS TECHNOLOGY**

### **06.01 Robots for handling, feeding and palleting, etc.**

### **06.02 Robots for joining and assembling**

### **06.03 Robots for spraying, lacquering, etc.**

### **06.04 Robots for chipping processes (sanding, cutting, etc.)**

### **06.99 Robots; other**

## **10 MACHINES AND PLANTS FOR SPECIAL PROCESSES**

### **10.01 Laser technology**

### **10.02 High frequency technology**

- 10.03 Microwave technology**
- 10.04 Supersonic technology**
- 10.06 Thermic smoothening**
- 10.07 Water jet cutting**
- 10.99 Special processes; other**

## **11 MACHINES AND PLANTS FOR SPECIAL PRODUCT GROUPS**

### **11.01 Machines and plants for structural elements**

- 11.01.01 Machines and plants for windows and facades
  - 11.01.01.01 Processing centres for longitudinal and cross-wise processing of window parts
  - 11.01.01.99 Machines for windows and facades; other
- 11.01.02 Machines and plants for doors and frames
- 11.01.03 Machines and plants for timber construction
  - 11.01.03.01 Trimming lines
  - 11.01.03.02 Special machines for carpenters and building industry
- 11.01.04 Machines and plants for prefab house construction, e.g. wood frame construction
  - 11.01.04.01 Assembly tables
  - 11.01.04.02 Automatic nailers for wall units, etc.
  - 11.01.04.03 Machining centres for structural elements
- 11.01.05 Machines and equipment for glue laminated timber / glulam construction
- 11.01.06 Machines and equipment for timber flooring / parquetry
- 11.01.07 Machines and equipment for laminate floorings
- 11.01.08 Machines and equipment for stair construction

### **11.02 Machines and equipment for manufacturing solid timber boards**

### **11.03 Machines and equipment for manufacturing rack furniture (chairs, tables, etc.)**

### **11.04 Machines for manufacturing and treatment of wooden packaging (pallets, boxes, etc.)**

- 11.04.01 Machines and equipment for manufacturing pallets, stationary
- 11.04.02 Pallets production lines
- 11.04.03 Machines and equipment for manufacturing packing for vegetables and fruits, stationary
- 11.04.04 Production lines for manufacturing packing for vegetables and fruits
- 11.04.05 Machines for manufacturing industrial packing (boxes, etc.)
- 11.04.06 Machines for manufacturing cable drums
- 11.04.07 Plants for heat treatment of pallets and other wood packaging material
- 11.04.08 Plants for fumigation of pallets and other wood packaging material

### **11.05 Machines and equipment for manufacturing doors for furniture**

#### **11.06 Machines and equipment for manufacturing drawers**

#### **11.07 Machines and equipment for manufacturing picture frames and frames**

- 11.07.01 V-cutting double circular saws
- 11.07.02 Stapling, stapling-gluing machines for assembling frames
- 11.07.03 Machines for metallic joining elements and respective hardware (V staples, flexible tabs, etc.)
- 11.07.04 Single Head Miter Cutting machines
- 11.07.05 Miter Cutting Guillotines
- 11.07.06 Automated systems for frame manufacturing

#### **11.08 Machines and equipment for manufacturing wood barrels**

#### **11.09 Machines for manufacturing and processing insulating materials**

- 11.09.01 Machines for manufacturing insulating materials
- 11.09.02 Machines for processing insulating materials

#### **11.99 Machines and plants for different products**

- 11.99.01 Machines and plants for brooms and brushes
- 11.99.02 Machines and plants for pencils
- 11.99.03 Machines and plants for clogs, wood soles, wood heels, shoes last
- 11.99.04 Machines and plants for dowels
- 11.99.05 Machines and plants for poles, masts, palisades, wood fences
- 11.99.06 Machines and plants for rattan furniture
- 11.99.07 Machines and plants for furniture handles
- 11.99.08 Machines and plants for louvres and shutters
- 11.99.09 Machines and plants for coffins
- 11.99.10 Machines and plants for shuttering panels
- 11.99.11 Machines and plants for agricultural tool handles (for shovel, spade, hoe, rake, hammer, pick, etc.)
- 11.99.12 Machines and plants for sporting equipment (billiard cues, paddles, oars, etc.)
- 11.99.13 Machines and plants for tooth picks / chop sticks
- 11.99.14 Machines and plants for matches
- 11.99.15 Machines and plants for woodwool
- 11.99.16 Machines and plants for wood shavings for animal bedding
- 11.99.17 Machines and plants for wood shingles
- 11.99.18 Machines and plants for bed staves / slats

### **18 AUXILIARY MACHINES, EQUIPMENT AND DEVICES; OTHER**

#### **18.02 Stirring units**

**18.03 Weighting systems**

**18.04 Planing benches, working tables**

**18.05 Clamps**

**18.99 Auxiliary machines; other**

**19 PORTABLE MACHINES FOR PROCESSING OF TIMBER, PLASTICS, COMPOSITES AND OTHER MATERIALS**

**19.01 Portable plastic shears**

**19.02 Portable keyhole saws**

**19.03 Portable band saws**

**19.04 Portable circular saws**

**19.05 Portable debarkers**

**19.06 Portable planers**

**19.07 Portable routers**

**19.08 Portable edge working machines**

**19.09 Portable boring machines**

**19.10 Portable chain mortisers**

**19.11 Portable chisel mortisers**

**19.12 Portable vibratory sanders**

**19.13 Portable belt sanders**

**19.14 Portable disc sanders**

**19.15 Portable nailers**

**19.16 Portable staplers**

**19.17 Portable powered screwdrivers**

**19.18 Portable glue spreaders**

**1919 Portable spraying equipment (e.g. guns for lacquers / adhesives)**

**19.20 Portable veneer splicing equipment**

**19.21 Layed floor sanding machines**

**19.90 Cases for portable machines, tools etc.**

**19.99 Special-purpose portable machines**

**20 TOOLS AND AUXILIARIES**

**20.01 Machine cutting tools**

**20.01.01 Band saw blades**

**20.01.01.01 Band saw blades for log band saws / band resaws**

20.01.01.02	Band saw blades for narrow band saws
20.01.02	Frame saw blades
20.01.02.01	Frame saw blades, all-steel
20.01.02.02	Frame saw blades, chrome-plated
20.01.02.03	Frame saw blades, tipped with cobalt alloy
20.01.02.04	Frame saw blades, HW-tipped
20.01.03	Circular saw blades
20.01.03.01	Circular saw blades, all-steel
20.01.03.02	Circular saw blades, tipped with cobalt alloy
20.01.03.03	Circular saw blades, HW-tipped
20.01.03.04	Circular saw blades, DP-tipped
20.01.04	Hogging systems
20.01.04.01	Hogging systems for shaping of flat parts (e.g. panels), HW-tipped
20.01.04.02	Hogging systems for shaping of flat parts (e.g. panels), DP-tipped
20.01.04.03	Folding hogger, HW-tipped
20.01.04.04	Folding hogger, DP-tipped
20.01.04.05	Hoggers for shaping of non-flat parts, e.g. scantlings
20.01.05	Long planer heads
20.01.06	Cutters with bore (cutters and cutter heads)
20.01.06.01	Cutters with bore, all-steel
20.01.06.02	Cutters with bore, HW- / special steel-tipped
20.01.06.03	Cutters with bore, with turnover knives (HW / special steel)
20.01.06.04	Cutters with bore, DP-tipped
20.01.07	Shank cutters
20.01.07.01	Shank cutters for routers
20.01.07.03	Shank cutters for portable machines
20.01.07.10	Shank cutters for CNC routers and machining centres, all-steel
20.01.07.11	Shank cutters for CNC routers and machining centres, HW- / special steel-tipped
20.01.07.12	Shank cutters for CNC routers and machining centres, with turnover knives (HW / special steel)
20.01.07.13	Shank cutters for CNC routers and machining centres, DP-tipped
20.01.07.99	Shank cutters; other
20.01.08	Machine boring bits
20.01.08.01	Twist drill
20.01.08.02	Through-hole boring bits
20.01.08.03	Dowel bits
20.01.08.04	Cylinder boring bits
20.01.08.05	Step boring bits

20.01.08.06	Countersink bits
20.01.08.07	Plug cutters
20.01.09	Tool systems for window and door manufacturing incl. slotting and tenoning cutters
20.01.10	Cutters with taper shank (cutters and cutter heads)
20.01.10.01	Cutters with taper shank, all-steel
20.01.10.02	Cutters with taper shank, HW- / special steel-tipped
20.01.10.03	Cutters with taper shank, with turnover knives (HW / special steel)
20.01.10.04	Cutters with taper shank, DP-tipped
20.01.50	"Machine cutting tools; other"
20.01.50.01	Oscillating mortise chisel and auxiliary equipment
20.01.50.02	Mortise chains and auxiliary equipment
20.01.50.03	Scraping tools and auxiliary equipment
20.01.50.04	Turning tools
20.01.50.05	Saw chains
20.01.50.06	Master plates for circular saw blades
20.01.90	Tools for special materials
20.01.90.01	Tools for working with light alloy
20.01.90.02	Tools for working with glass
20.01.90.03	Tools for working with stone
20.01.90.04	Tools for working with mineral materials
20.01.90.99	Tools for special materials; other
<b>20.02 Knives, turn blade knives, hogger segments, etc.</b>	
20.02.01	Knives for cutters, cutter heads
20.02.02	Turn blade knives
20.02.03	Backing plates, limiters
20.02.04	Blank knives
20.02.05	Hogger segments
20.02.06	Cast cobalt alloys
20.02.07	Semi-finished products made from tungsten carbide, e.g. rods, strips, tips for saw blades, etc.
20.02.08	Hogging knives
20.02.09	Circular knives
20.02.10	Peeling and veneer knives
20.02.11	Semi-finished products made from PCD, e.g. discs, segments, saw tips for saw-blades, etc.
<b>20.03 Tool clamping systems</b>	
20.03.01	Clamping systems for circular saw blades
20.03.02	Clamping systems for cutters with bore

20.03.03 Clamping systems for shank cutters

20.03.04 Clamping systems for boring bits

#### **20.04 Tool measuring and setting systems**

20.04.01 Tool measuring and setting instruments

20.04.02 Tool measuring and setting gauges

#### **20.05 Tool management systems**

20.05.01 Systems for tool encoding

20.05.02 Software for tool management systems

#### **20.06 Sanding and buffing tools**

20.06.01 Long sanding belts

20.06.02 Wide sanding belts

20.06.03 Buffing tools

20.06.04 Abrasive discs and wheels

20.06.05 Sanding brushes

20.06.06 Profile sanding tools

20.06.99 Sanding tools and materials; other

#### **20.07 Auxiliary equipment and spare parts for machine tools (e.g. clamping wedges, spacers, guide rings, sharpening devices)**

#### **20.08 Manual hand-held tools**

20.08.01 Hand saws

20.08.02 Hand planes

20.08.03 Chisels, turning tools, carving tools, etc.

20.08.04 Hammers

20.08.05 Tools for measuring and marking

20.08.99 Manual hand-held tools; other

#### **20.09 Clamps and guides for tools**

20.09.01 Saw tensioners, frame saw buckles and spacers

20.09.02 Band saw guides

20.09.03 Cutter bars for saw chains

20.09.04 Moulding spindles / cutter arbors

### **21 MACHINES, EQUIPMENT AND TOOLS FOR MAINTENANCE AND MANUFACTURING OF TOOLS**

#### **21.01 Machines, equipment and tools for maintenance and manufacturing of machine cutting tools**

21.01.01 Saw sharpeners

21.01.02 Saw filers



21.01.03	Saw setting, swaging and dressing machines
21.01.04	Saw brazing and welding machines
21.01.05	Saw blade rolling and leveling machines
21.01.06	Hardening machines for saw tooth points
21.01.07	Band saw blade shearing and scarf-jointing machines
21.01.08	Knife grinding machines
21.01.08.01	Knife grinding machines for planing, flaking and chipper knives
21.01.08.02	Knife grinding machines for veneer knives (slicing, peeling, clipping)
21.01.08.03	Knife grinding machines for knife rings
21.01.08.90	Clamping systems for knife grinding machines
21.01.09	Sharpeners for scrapers
21.01.10	Sharpeners for moulding cutters
21.01.11	Sharpeners for boring bits and routing cutters
21.01.12	Sharpeners for chain tools
21.01.13	Universal tool and cutter sharpeners
21.01.14	Sharpeners for carbide-tipped sawing, moulding and planing tools
21.01.15	Sharpeners for diamond tools
21.01.50	Cleaning machines and equipment for machine tools
21.01.60	Wheels for sharpening tools (except diamond wheels)
21.01.61	Diamond wheels for sharpening tools
21.01.90	Sharpeners for special applications
21.01.99	Machines, equipment and tools for maintenance and manufacturing of machine cutting tools; other

## **21.02 Machines, equipment and tools for maintenance and manufacturing of manual hand-held tools**

## **22 PRODUCTS FOR THE EQUIPMENT OF MACHINES**

### **22.01 Drive systems**

22.01.01	Electric drive systems
22.01.01.01	Electric motors
22.01.01.02	Electrospindles
22.01.01.03	Gear motors
22.01.01.04	Frequency converters
22.01.01.05	Electronic drive units
22.01.01.06	Linear motors / electro-cylinders
22.01.01.07	Electric, electronic and magnetic switchgear and control units
22.01.01.99	Electric drive systems; other

22.01.02	Pneumatic drive units
22.01.02.02	Pneumatic components and equipment
22.01.02.03	Pneumatic controls and regulators
22.01.03	Hydraulic drive units
22.01.03.01	Hydraulic components and equipment
22.01.03.02	Hydraulic controls and regulators
22.01.10	Elements and accessories for drive systems
22.01.10.01	Speed reducers and controllers
22.01.10.02	Clutches and brakes
22.01.10.03	Roller bearings and precision bearings
22.01.10.04	Linear modules
22.01.10.99	Elements and accessories for drive systems; other
22.01.20	Compressors

## **22.02 Machining units**

22.02.01	Sawing units
22.02.02	Planing units
22.02.03	Moulding units
22.02.04	Boring units
22.02.05	Mortising units
22.02.06	Sanding and polishing units
22.02.07	Spraying units
22.02.08	Gluing units
22.02.09	Assembling units
22.02.10	High frequency and microwave equipment (e.g. generators)
22.02.11	Tool changers for CNC machines
22.02.12	Cam mechanisms and cams
22.02.13	Antistatic systems

## **22.03 Clamps and guides for workpieces**

22.03.01	Laser projectors, shadow guiding devices
22.03.02	Workpiece fences and stops
22.03.02.01	Workpiece fences and stops, mechanised positioning
22.03.02.02	Workpiece fences and stops, computerised positioning
22.03.03	Clamping devices
22.03.04	Vacuum systems
22.03.04.01	Pumps and components for vacuum systems
22.03.04.02	Vacuum cup clamping devices

- 22.03.04.03 Central vacuum systems
- 22.03.05 Dovetailing attachments
- 22.03.06 Dowel boring jigs
- 22.04 Mechanical operating and clamping elements for machines, devices and conveyors (handles, handwheels, knobs, etc.)**
- 22.05 Operating supply items**
  - 22.05.01 Lubricants
  - 22.05.02 Flux materials
- 22.99 Items of equipment; other**
  - 22.99.01 Pumps, valves, pipe systems
  - 22.99.02 Drainage screens
  - 22.99.03 Plates, screens and plastic inserts for presses
  - 22.99.04 Press belts for continuous presses
  - 22.99.05 Hot platens and heating rods
  - 22.99.06 Press moulds and cylinders for manufacturing moulded parts of chips, fibres, plastics, or for overlaying with solid materials
  - 22.99.07 Conveyor elements
    - 22.99.07.01 Rollers and wheels
    - 22.99.07.02 Belts
    - 22.99.07.99 Conveyor elements; other
  - 22.99.08 Non-electronic control units and devices
  - 22.99.09 Central lubrication systems
  - 22.99.10 Belt sanding pads
  - 22.99.11 Filters, filter elements and cartridges
  - 22.99.12 Cable routers
  - 22.99.13 UV-beamers / bulbs for UV curing
  - 22.99.14 Rollers and wheels with needles for towing of wood
  - 22.99.15 Transmission and conveyor chains

## **30 USE OF RESIDUAL WOOD (DUST, CHIPS, FIREWOOD, BARK), GENERATION OF ENERGY AND HEATING USING WOOD FUELS**

### **30.01 Preparation, transportation and storage of dust, chips, firewood, etc.**

- 30.01.01 Cleaving machines for roundwood, firewood, etc.
- 30.01.02 Hoggers
  - 30.01.02.01 Stationary hoggers
  - 30.01.02.02 Mobile hoggers

30.01.03	Chopping machines (slow-speed)
30.01.04	Firewood saws
30.01.05	Firewood bundling machines
30.01.06	Briquetting presses
30.01.07	Wood pelleting presses
30.01.12	Sweeping machines
30.01.13	Pellet storage and transport systems
30.01.14	Turn-key wood pellets plants
30.01.15	Dryers for wood pellets materials
30.01.16	Dryers for wood fuels
30.01.20	Chips and dust extraction equipment
30.01.20.01	Chips and dust extraction systems (including filters)
30.01.20.02	Extraction systems
30.01.20.03	Extraction machines, stand alone
30.01.20.04	Filtering separators
30.01.20.05	Silos
30.01.20.06	Industrial vacuum cleaners
30.01.20.07	Fans
30.01.20.08	Warm air heaters
30.01.20.09	Residual dust concentration monitoring systems
30.01.20.10	Specialised control systems for chips and dust extraction systems
30.01.20.99	Chips and dust extraction equipment; other

## **30.02 Generation of energy and heating using wood fuels**

30.02.01	Boiler systems with furnaces for wood fuels (solid wood, chips, dust, etc.)
30.02.02	Wood furnaces for generating hot gas
30.02.03	Wood gas generators
30.02.04	Wood furnaces for generating electrical energy
30.02.05	Chimneys, ovens and burners
30.02.99	Plants, units and auxiliary equipment for energy generation; other

## **31 ENERGY SAVING, ENVIRONMENTAL PROTECTION, OCCUPATIONAL SAFETY, FIRE PREVENTION AND AIR-CONDITIONING**

### **31.01 Energy saving**

31.01.01	Plants and equipment for energy recycling
31.01.02	Energy-saving pneumatic conveying systems and auxiliary equipment
31.01.99	Plants, units and auxiliary equipment for energy saving; other

### **31.02 Safety technology**

### **31.03 Environmental protection**

- 31.03.01 Purification plants for water and liquid chemicals
- 31.03.02 Environmentally friendly lubricants and fuels
- 31.03.03 Exhaust air and gases purification plants and equipment
- 31.03.04 Combustion plant for chemicals (lacquers, glues, films, etc.)

### **31.04 Occupational safety**

- 31.04.01 Sound-proofing equipment (sound-proofing cabins, etc.)
- 31.04.02 Safety devices for machines
- 31.04.03 Protective clothing and equipment (including work clothes)

### **31.05 Fire protection and fighting, explosion protection**

- 31.05.01 Fire alarm systems
- 31.05.02 Fire and spark extinguishing systems
- 31.05.03 Sprinkler systems
- 31.05.04 Explosion protection systems

### **31.06 Air-conditioning technology**

- 31.06.01 Air-conditioning equipment
- 31.06.02 Air-conditioning chambers
- 31.06.03 Air humidification systems
- 31.06.04 Measuring and control units for air-conditioning

## **40 ELECTRONIC DATA ACQUISITION AND DATA PROCESSING EQUIPMENT; MEASURING, TESTING AND CONTROL SYSTEMS**

### **40.01 Electronic data acquisition and data processing equipment**

- 40.01.01 Numerical control systems
- 40.01.02 CAM systems
- 40.01.03 NC programming systems
- 40.01.04 Identification systems for component identification and labeling (Barcode, etc.)
- 40.01.05 Image processing systems for identification of colours, structure, surface inspection, optical measuring, etc.
- 40.01.06 Electronic equipment for data acquisition and data processing for special manufacturing sectors and areas
  - 40.01.06.01 Electronic equipment for data acquisition and data processing for roundwood yards and saw mills
  - 40.01.06.02 Electronic equipment for data acquisition and data processing for veneer plants
  - 40.01.06.03 Electronic equipment for data acquisition and data processing for veneer cutting and splicing
  - 40.01.06.04 Electronic equipment for data acquisition and data processing for furniture manufacturing

40.01.06.05      Electronic equipment for data acquisition and data processing for wood-based panels manufacturing

**40.02    Measuring, testing and control systems**

40.02.01          Workpiece measuring instruments

40.02.02          Material testing and fault detection instruments

40.02.03          Production monitoring systems

40.02.04          Metal detectors and removers

40.02.99          Measuring and testing equipment; other

**70        MATERIALS, ELEMENTS, PRODUCTS AND ACCESSORIES FOR THE WOOD AND FURNITURE INDUSTRY**

**70.01    Wooden or wood-based materials, semi-finished products and finished products.**

70.01.01          Timber

70.01.02          Wood-based panels

70.01.03          Wooden semi-finished products

70.01.04          Semi-finished products made from wood-based materials

70.01.05          Veneering and veneered panels

70.01.06          Borders

70.01.07          Battens, profiles and mouldings

70.01.08          Furniture components

70.01.08.01       Frames

70.01.08.02       Cupboard doors

70.01.08.03       Furniture components, other

70.01.09          Wooden building materials

70.01.09.01       Building materials and structural products e.g. beams

70.01.09.02       Building components e.g. parquet, mouldings, etc.

70.01.99          Wooden or wood-based materials, semi-finished products and finished products, other

**70.02    Chemical products for the wood industry**

70.02.01          Preservatives

70.02.02          Impregnating agents

70.02.03          Colorants

70.02.04          Fire retardant agents

70.02.05          Adhesives and glues

70.02.06          Resins

70.02.99          Chemical products for the wood industry, other

**70.03    Surface treatment and finishing materials**

- 70.03.01 Decorative paper
- 70.03.02 Films
- 70.03.03 Laminated products
- 70.03.04 Veneered products
- 70.03.05 Abrasives, see voices 20.06.01 - 20.06.02 -20.06.03 -20.06.04 -20.06.05 -20.06.06
- 70.03.99 Surface treatment and finishing materials, other

#### **70.04 Auxiliary chemical products for surface treatment and finishing**

- 70.04.01 Surface preparation - primers, fillers and other products
- 70.04.02 Colours
- 70.04.03 Lacquers
- 70.04.04 Paint
- 70.04.05 Solvents
- 70.04.99 Auxiliary chemical products for surface treatment and finishing, other

#### **70.05 Connection and fastening elements**

- 70.05.01 Nails, fasteners, staples, screws, etc see also 04.02.01 - 04.02.02 -04.02.03
- 70.05.02 Furniture assembly parts
- 70.05.99 Connection and fastening elements, other

#### **70.06 Functional elements and hardware for wooden articles**

- 70.06.01 Hinges
- 70.06.02 Closing devices
- 70.06.03 Guides and slides
- 70.06.04 Handles, knobs and decorative parts
- 70.06.99 Functional elements and hardware for wooden articles, other

#### **70.07 Domestic appliances, built-in elements and kitchen equipment**

#### **70.08 Padding material and equipment**

- 70.08.01 Frames
- 70.08.02 Padding material
- 70.08.03 Upholstery material
- 70.08.04 Machines and equipment for manufacturing padded articles

### **80 DELIVERY OF COMPLETE PLANTS, FINANCING AND LEASING COMPANIES**

#### **80.01 General contractors for the delivery of complete plants**

- 80.01.01 General contractors for saw mills
- 80.01.02 General contractors for veneer and plywood plants

- 80.01.03 General contractors for plants for manufacturing of solid coating materials (laminates, films, foils, etc.)
- 80.01.04 General contractors for particle board, fibre board and OSB production plants
- 80.01.05 General contractors for furniture production plants
- 80.01.06 General contractors for solid wood processing plants
- 80.01.07 General contractors for plants for manufacturing of wooden construction elements (windows, facades, etc.)
- 80.01.08 General contractors for timber construction and wooden houses
- 80.01.09 General contractors for laminate flooring plants
- 80.01.10 General contractors for solid wood parquetry plants
- 80.01.11 General contractors for plants for solid wood panel production
- 80.01.12 General contractors for plants for mineral bonded wood (cement) boards
- 80.01.99 General contractors, other

**80.02 Financing companies**

**80.03 Leasing companies**

**90 INDEPENDENT COMPUTER SOFTWARE (CAD, ERP, PRODUCTION PLANNING AND CONTROL, ETC.)**

- 90.01 Independent software for saw mills and roundwood yards**
- 90.02 Independent software for veneer and plywood production**
- 90.03 Independent software for particle board, fibre board and OSB production**
- 90.04 Independent software for veneer processing**
- 90.05 Independent software for solid wood processing**
- 90.06 Independent software for the furniture industry**
- 90.07 Independent software for window construction**
- 90.08 Independent software for timber construction**
- 90.09 Independent software for the craft business**
- 90.10 Independent software for stair construction**
- 90.11 Independent software for the timber trade**
- 90.50 Standard software for the wood industries (ERP, material management, personnel management, cost accounting, etc.)**
- 90.99 Independent software; other**

**95 INDEPENDENT SERVICES FOR THE WOOD INDUSTRIES**

**95.01 Independent engineering and consulting services for the wood industries**

- 95.01.01 Independent engineering and consulting services for saw mills
- 95.01.02 Independent engineering and consulting services for veneer and plywood plants



- 95.01.03 Independent engineering and consulting services for manufacturing of solid coating materials and laminating technology (laminates, films, foils, etc.)
- 95.01.04 Independent engineering and consulting services for particle board, fibre board and OSB production
- 95.01.05 Independent engineering and consulting services for the furniture industry
- 95.01.06 Independent engineering and consulting services for solid wood drying and steaming
- 95.01.07 Independent engineering and consulting services for solid wood processing
- 95.01.08 Independent engineering and consulting services for windows and facades
- 95.01.09 Independent engineering and consulting services for timber construction
- 95.01.10 Independent engineering and consulting services for craft business
- 95.01.11 Independent engineering and consulting services for surface finishing
- 95.01.12 Independent engineering and consulting services for the generation of energy using wood fuels and energy saving
- 95.01.13 Independent engineering and consulting services for environmental protection
- 95.01.14 Independent engineering and consulting services for safety technology, occupational and fire safety

**95.02 Training services**

**95.03 Maintenance, repair, installation, de-installation, refurbishing and retrofitting of machines and plants**

**95.04 Associations**

**95.05 Fair organisations**

**95.99 Services; other**

**96 RESEARCH AND TESTING INSTITUTES, EDUCATIONAL INSTITUTIONS FOR THE TIMBER AND WOODWORKING INDUSTRIES (UNIVERSITIES, TECHNICAL COLLEGES, ETC.)**

**96.01 Educational institutions for the timber and woodworking industries**

**96.02 Research institutions for the timber and woodworking industries**

**96.03 Testing institutions for the timber and woodworking industries**

**97 PUBLISHERS OF LITERATURE FOR THE TIMBER AND WOODWORKING INDUSTRIES**

**97.01 Technical journals and periodicals for the timber and woodworking industries**

**97.03 Technical books for the timber and woodworking industries**

**97.04 Web based publications for the timber and woodworking industries**