

Nomenclature Blechexpo/Schweisstec 2011



WVZNr

Name

5501 Sheet metal and semi finished products

- 550101 Strip (coiled) metal
- 550102 formed and punched-formed parts
- 550103 Sheet/strip metal (ferrous/non ferrous), general
- 550104 Sheet metal parts (finished products, formed and punched parts incl. fastening systems, profiled joints)
- 550105 CNC sheet metal brakes
- 550106 CNC-Stampings
- 550107 spun/flow formed parts
- 550108 Ferrous/non ferrous metals, general
- 550109 Sheet metal
- 550110 metal film
- 550111 Blanks, formed parts and sub-contractors
- 550112 Heavy plate
- 550113 warm and hot formed parts
- 550114 Semi-finished products (incl. Knittedwire)
- 550115 Sections/tubes
- 550116 internal high pressure/hydroformed parts, deep drawn parts, specialised parts
- 550117 Plastic coated sheet/coil
- 550118 Laser-Cut-Parts
- 550119 Sub-contractors
- 550120 Mechanical fabrication
- 550121 Metal plated sheet/coil
- 550122 Surface treated/plastic coated/plated sheet and coil
- 550123 Plasma cutting
- 550124 pressed, drawn, punched and fineblanked parts
- 550125 Sections
- 550126 Other rolling mill products
- 550127 Custom sections
- 550128 tailored blanks, special sheets
- 550129 sheet metal parts/finished products
- 550130 sheet metal assemblies, other fin. parts (incl. fastening systems, profiled joints)
- 550131 Equipment for sheet metal constructions: latches, handles, hinges, fasteners, gaskets and accessories

5502 Handling technology

- 550201 Coiling/uncoiling equipment, reels
- 550202 Stacking devices
- 550203 Stop systems
- 550204 Ejecting devices
- 550205 Pass line control systems
- 550206 Storage of sheet metal parts
- 550207 Storage of coils
- 550208 Work piece insertion units
- 550209 Feeders

550210 Handling and part removal
550211 Magnetic work piece fixing devices
550212 Assembly technology
550213 Storage of blanks
550214 Blank feeding units
550215 Robots for sheet metal working/-handling
550216 Transfer facilities
550217 Vacuum fixing plates
550218 Work piece fixing
550219 Tool handling
550220 Feeding/discharging equipment
550221 Feeding and discharging (coil)
550222 Feeding and loading equipment, general
550223 Intermediate storage
550224 Coil Turning Devices
550225 Coil Transport Cars
550226 Heavy Load Transport Cars
5503 Separation technology
550301 Cutting to length/trimming
550302 Length cutting machines
550303 Nibbling and notching machines
550304 Band sawing machines
550305 Strip slitting units/systems
550306 Edge trimming equipment
550307 Cutting machines for hollow shapes
550308 Trimming machines (manual/automatic)
550309 Corner shear
550310 Fine blanking presses (manual/automatic)
550311 Precision blanking presses
550312 Blanking
550313 High performance feed presses (automatic)
550314 Circular sawing machines, sawing equipment, other sawing machines
550315 Circle cutting shears
550316 Turret punch presses
550317 Curve cutting shears
550318 Laser cutting machines
550319 Punching machines
550321 Notching, perforating
550322 Automated notching machines
550323 Perforating machines
550324 Plasma jet cutting machines
550325 Slab shears
550326 Cutting to length and slitting machines
550327 Turret presses
550328 Rotary shears
550329 Shear blades/Knives
550330 Shears and cutting machines
550331 Section, billet, ingot, shears
550332 Punching presses
550333 Flame cutting equipment
550334 Special shears and cutting machines
550335 Specialized presses for punching/noting/stamping
550336 Other separation processes
550337 Slitting lines
550338 Guillotine shears

550339 Separation equipment, general
550340 Separation technology slitting
550341 Cutting-off grinders
550342 Water cutting systems
550343 Flame-cutting equipment
5504 Forming technology
550401 Bending machines
550402 Press brakes/3-point
550403 Drawing/ironing machines
550404 Rounding off equipment
550405 Bending/straightening presses
550406 Straightening, forming, bending
550407 Sheet metal profile rolling machines, spinning and flow forming machines
550408 Sheet metal bending machines
550409 Sheet metal forming machines
550410 Sheet metal levelling machines
550411 Sheet metal deburring machines
550412 Plate edging machines
550413 Curling machines
550414 CNC-presses
550415 Spinning and planishing machines
550416 Pressure forming
550417 Double-sided presses
550418 Edge trimming machines
550419 Eccentric presses
550420 Seaming machines
550421 Flanging machines
550422 Extruding presses
550423 Milling machines
550424 Foot lever presses
550425 Die sinking presses/press brakes
550426 Thread rolling machines
550427 Hydraulic presses
550428 Hydro Pneumatic Presses
550429 Internal high pressure mould
550430 Insulating machines
550431 Cold extrusion presses
550432 Cold and warm forming of profiles and plate
550433 Edge forming
550434 Toggle lever presses
550435 Crank presses
550436 Mechanical presses, general
550437 Coining presses
550438 Pneumatic presses
550439 Presses, general
550440 Roll formers
550441 Knurling machines
550442 Straightening machines and equipment
550443 Tube end forming machines
550444 Roll forming machines for hollow components
550445 Roll forming operations, general
550446 Bending rolls/circular lamination
550447 Blow forging presses
550448 Plate edge bevellers
550449 Folding machines

550450 Crimping machines
 550451 Specialized presses
 550452 Fly presses
 550453 Stretcher levelling machines
 550454 Stretch wrap forming presses
 550455 Deep drawing presses
 550456 Bench presses
 550457 Die spotting presses
 550458 Four column presses
 550459 Rolling mills
 550460 Corrugating machines for sheet metal
 550461 Beading machines
 550462 Tensile/pressure forming
 550463 Tensile forming
 550464 Two column (open gap) presses
 550465 Hydroforming Presses
 550466 Punching Machines
 550467 Roll levelling machines
 550468 Hydromechanical Presses
 550469 Feeder-Straighteners
 550470 Coil Cradle Feeder Straighteners
 550471 Roll Feeders
 550472 Gripper Feeders
 550473 Lubricating Systems
 550474 Hotforming presses for press hardening
 550475 used machine
 550476 pressharder
5505 Flexible sheet metal working technology
 550501 Trimming and forming machines
 550502 Bending and folding incl. work piece/tool handling
 550503 Bending centres
 550504 Sheet metal working centers
 550505 Can making machines
 550506 Blanking incl. work piece/tool handling
 550507 Joining incl. work piece/tool handling
 550508 Combined laser cutting/forming machines
 550509 Integrated sheet metal working incl. work piece/tool handling
 550510 Roll forming equipment for special can necks an covers
 550511 Cutting centres
 550512 Feed presses and automatic bending equipment
 550513 Transfer presses
 550514 Stamping anf forming job-shops
5506 Tube/section working
 550601 Pipe Bending Machines
 550602 Tube / selection working
 550603 Tube/section end forming and debarring
 550604 Tube/section measuring systems
 550605 Tube and profile punching devices
 550606 Tube/section cutting and trimming (incl. punching/stamping)
 550607 Tube/section forming (incl. bending and CNC equipment)
 550608 Other tube/section working equipment
 550609 pipe jointing component from stainless steel
 550610 pipe and tube from stainless steel
5507 Components for sheet metalworking machines
 550701 Drive technology/drive units

550702 components for sheet metal/plate working machines
550703 Turning rolls, turning and tilting tables
550704 Flexible machine mountings
550705 Energy supply and guidance systems (cable ducts, hoses, flexible energy conduits)
550706 Gearboxes, gears
550707 Hydraulic components
550708 Cooling agents and systems
550709 Light barriers/Light curtains
550710 Linearguidanse systems
550711 Motors, generators and accessories
550712 Optical equipment
550713 Optical components incl. Laser
550714 Pneumatic components
550715 Blanking impact absorbers
550716 Vibration absorbers
550717 Other mechanical components
550718 Spraying plants and equipment
550719 Vacuum components
550720 Two-hand trip guards
550721 cabinets and housings
550722 machine linings
550723 Access Hardware and accessories for sheet metal constructions and cabinets
5508 Joining and fastening technology
550801 Flash welding
550802 Other consumables, general
550803 Plants an equipment for surfacing, general
550804 Plants and equipment for welding of plastics, general
550805 Plants and equipment for welding of metals, general
550806 Plants and equipment for brazing and soldering, general
550807 Plants and equipment for cutting and machining, general
550808 Health and safety
550809 Electro-surfacing
550810 Equipment for adhesive bonding, general
550811 Autogenously welding/soldering equipment
550812 Stud welding
550813 Stud welding machines (also automatic)
550814 Projection welding
550815 Coating methods, general
550816 Data processing, control and monitoring techniques for planning control, general
550817 Diffusion welding
550818 Direct assembling by thread forming screws
550819 Pressure joining
550820 Piercing nuts
550821 Electro gas welding
550822 Electro beam welding
550823 Electro slag welding
550824 Narrow gap welding
550825 Tubular wire welding
550826 Joining by forming/staking/clinching
550827 Joining incl. work piece
550828 Flux cored arc welding
550829 Gas pressure welding
550830 Gas welding
550831 Measuring- and control apparatus and sensors, general

550832 Termite welding
550833 High frequency welding
550834 Induction welding
550835 Industrial robots for brazing, soldering, welding or cutting
laser cutting, water cutting, general
550836 Inverter-Welding-System
550837 Enclosed resistance fusion welding
550838 Bonding and Adhesives
550839 Bonding machines and devices
550840 Capacitor discharge welding
550841 Laser welding
550842 Manual metal arc welding (also Diesel or petrol engine driven motors
550843 Pulsed arc welding
550844 Arc welding machines
550845 Light beam welding
550846 Magnetic pulse welding
550847 Multi-operator stud welding machines
550848 MIG-MAG (GMA) welding
550849 Micro welding
550850 Mobile pressure joining equipment
550851 Rivet- and joining machines
550852 Fastener based systems/processes
550853 Fasteners (incl. rivets, nuts, studs, bolts, screws)
550854 Fastener application machines (incl. automatic devices)
550855 Installation tools
550856 Plasma-MIG welding
550857 Plasma welding
550858 Plasma and laser beam welding and cutting equipment
550859 Plants for the production of filler materials and consumables, general
550860 Spot welding electrode
550861 Spot welding machines
550862 Spot welding guns
550863 Resistance butt welding
550864 Quality assurance for brazing, welding or cutting, soldering
550865 Friction welding
550866 Straightening machines
550867 Tube welding equipment
550868 Seam welding
550869 Seam welding machines
550870 Butt seam welding with rotary transformer
550871 Butt seam welding with sliding contacts
550872 Shielded arc welding installations
550873 Welding torches and spare parts
550874 Welding rods/electrodes
550875 Magnetically impelled arc butt (MIAB) welding
550876 Welding and soldering
550877 Welded Structure
550878 Welding/soldering plasma accessories, general
550879 Welding robots
550880 Welding preparance
550881 Chauffering and deburing machines
550882 Other welding/soldering machines and equipment
550883 Spraying processes, general
550885 Butt welding machines
550886 Ultrasonic welding
550887 Submerged arc welding

550888 Fully mechanized and automatic plants for brazing, soldering, or cutting, general

550889 Heat treating, general

550890 Roll butt seam welding

550891 Solders, Brazing fillers and other form of solders

550892 Workshop and work station equipment, safety equipment for brazing welding or cutting, general

550893 Resistance welding equipment

550894 Resistance spot welding

550895 TIG (GTA) welding

550896 Gas supply accessories, general

550897 Resistance welding accessories

550898 MIG-MAG consumables

550899 Accessories for soldering-, welding- or cutting- and brazing or general (incl. robots)

550901 Welding fillers for steels, plastic, non-ferrous metal, general

550902 Filler materials for welding, thermal cutting and spraying: rods and other materials

550903 Welding tables

550904 welding protection booths

550905 welding protection curtains

5510 Surface technology for sheet metal/plate (process-related)

551001 Tools for die sinking presses/press brakes

551002 Stripping (mechanically, electrically, chemically)

551003 corroding

551004 Vaporising

551005 melting

551006 electro-surfacing

551007 Belt grinding machines, general

551008 Grinding machines for vessels

551009 Pickling

551010 Coating

551011 Blind rivet nuts and studs

551012 Stud welding

551013 Wide belt grinding machines

551014 Brushing machines

551015 Diffusing

551016 Diffusion annealing

551018 Self clinching fasteners

551019 Piercing nuts system

551020 electrophoresis

551021 Electrostatic powder coating

551022 Electrostatic spray systems

551023 Decaling

551024 Eroding

551025 Dyeing

551026 Hot-dip zinc plating

551027 Hot-dip tinning

551028 Surface grinding machines

551029 Flame/laser spraying

551030 Blanking incl. work piece

551031 Galvanising

551032 Hardening

551033 Long belt grinding machines

551034 Consolidating

551035 Metal working and forming lubricants

551037 Riveting

- 551038 Riveting machines (also automatic)
- 551039 Installation tools
- 551040 Surface protection
- 551041 Chemical surface treatment
- 551042 Electrolytical surface treatment
- 551043 Mechanical surface treatment
- 551044 surface treatment, general
- 551045 Polishing
- 551046 Powder reclamation equipment
- 551047 Cleaning
- 551048 Cleaning appliances, general
- 551049 Sand blasting plant
- 551050 Grinding
- 551051 Grinding machines
- 551052 Lubricating (incl. preparation)
- 551053 Press nuts
- 551054 Sinter coating
- 551055 Stationary pressure joining equipment
- 551056 Shot-blasting
- 551057 Transfer Presses
- 551058 Dip-coating processes
- 551059 Drying equipment
- 551060 changing the characteristics of materials
- 551061 Washing/degreasing, equipment
- 5511 Tool technology for sheet metal working/plate working**
- 551101 tools für die-sinking presses/press brakes
- 551102 spinning/pressing/straightening/planishing tools
(incl. thread forming, flow-forming and flow-turning tools)
- 551103 Lancing/plunging/burring tools
(incl. die-plates, rollers, flow-turning-tools)
- 551104 Surface grinding machines
- 551105 Follow-on tool sets
- 551106 Pattern standards
- 551107 Free forming tools
- 551108 Carbide tools
- 551109 Hot runner systems
- 551110 Tool accessories, components
- 551111 Templates
- 551112 knives, shear blades
- 551113 Fitting/handling systems
- 551114 Standards for punching and form tools
- 551115 Standardized components, guide elements
- 551116 Edge coiling tools
- 551117 Lubricating equipment
- 551118 Cutting/punching tools (incl. transfer tools, perforating tools, grooving tools)
- 551119 Folding tools (edging, folding, rounding, creasing, bordering tools)
- 551120 Other tools
- 551121 Clamping devices
- 551122 Punching standards
- 551123 Stretch-forming tools, embossing tools
- 551124 Deep drawing tools
- 551125 Transfer tool sets
- 551126 Tool monitoring systems
- 551127 Application technique for piercing-nuts
- 551128 Jigs

- 551129 Roll-forming tools (levelling, section, thread forming, angled rolling, flow forming rollers)
- 551130 Heat treatment of tools/hard coatings
- 551131 Bending/forming tools
- 551132 Pressure de formage par pression
- 551133 Drawing/pressure forming tools
- 551134 Drawing tools
- 551135 Stacking/clinching tools
- 551136 Forming-by-raising tools, bending-by-bulging tools
- 551137 Separation tools
- 551138 Tool handling/treatment
- 551139 Tolls sets
- 551140 Clamping systems
- 551142 Tool steels, high speed steels
- 551143 Fixtures, supports (cassettes etc.)
- 551144 Tool changing systems
- 551145 Ceramic Tools
- 551146 In-die tapping
- 551147 Die Manipulators / Die Splitters
- 551148 Mould Openers
- 551149 Die Exchange Cars
- 5512 Process control and quality assurance**
- 551201 Marking, measuring and surface plates
- 551202 Components for control devices
- 551203 Thickness measurement of metals
- 551204 Double sheet monitoring
- 551205 Electric/electronic controlling devices (CNC)
- 551206 Precion measuring instruments
- 551207 Hydraulic controlling devices
- 551209 marking/reading equipment, materials tracking
- 551210 Mechanical controlling devices
- 551211 Testing and measureing instruments
- 551212 Measuring and testing
- 551213 surface inspection
- 551214 Pneumatic controlling devices
- 551215 testing/inspection equipment
- 551216 Non-destructive materials testing machines
- 551217 Weld seam detection
- 551218 weld seam inspection
- 551219 Other controlling/regulating
- 551220 Controlling/regulating und control systems
- 5513 Data processing (hard-and software)**
- 551301 Administration (including design storage and warehouse control, integrated factory solutions)
- 551302 data processing, general
- 551303 Integrated solutions for sheet metal an section working (CAD/CAM)
- 551304 integrated design solutions (2-D/3-D)
- 551305 Shop floor management
- 551306 Process control, measuring and quittance systems
- 551307 Other CAD/CAM/CIM applications
- 551308 Other applications in manufacturing
- 551309 Process simulation
- 551310 Interlacing and development
- 5514 Factory and warehouse equipment**
- 551401 container and accessories
- 551402 Turning rolls for containers

551403 Container tippers
551404 Marking machines
551405 Factory and warehouse equipment general
551406 Drilling machines
551407 Machine brushes
551408 Brushing tools
551409 Containers
551410 Deburring and edge chamfering machines
551411 surface grinding machines
551412 Conveyors
551413 Tapping machines
551414 Gripping divides
551415 Hand held tools (also electric and pneumatic)
551416 Lifting platforms
551417 hoists (electric, mechanical)
551418 Process/running materials, consumables
551419 heat/cold protection
551420 Stacking trucks, fork lift trucks
551421 Small hoists (electric, mechanical)
551422 Corrosion inhibitors
551423 Anti corrosion packaging
551424 cranes, load turning devices
551425 Storage systems
551426 Lifting magnets
551427 magnet systems (lifting, transportation, sheet seperaton etc.)
551428 Machines, divides, general workshop equipment
551429 Welding joint smoothing machines
551430 Sheet separators
551431 Tube stacking and bunching devices
551432 Transportation equipment for sheet metal and sheet metal parts
551433 Vacuum lifting and transport appliances
551434 Packaging, strapping band machines and equipment
551435 Balances and weighing apparatus
551436 Workshop equipment and Workshop accessories and furnishings
551437 Tool and cutter grinding machines
551438 Counting devices electronic, mechanical
551439 Drawing machines and -systems
5515 Safety at work/environment protection
551501 Waste gas treatment
551502 Extraction/filter devices/booths
551503 Waste water treatment
551504 Body protection
551505 Coolant/lubricant recycling
551506 Noise- and vibration protection
551507 Air treatment/smoke and dust filters
551508 Planning and consultation services
551509 Recycling
551510 Environmental research and consulting services
551511 Environmental technology
551512 Accident prevention systems/devices
5516 Services, information and communication
551601 Acceptance and inspection bodies
551602 Education and training of welding personnel
551603 CAD an stereolitography in paid labour
551604 Consultancy, testing and research (technology transfer)

551605 Technical literature, educational films, regulations
551606 Research and development institutes
551607 Information centers
551608 Engineering and consultancy offices
551609 Investment financing/leasing
551610 Laser cutting and-welding in paid labour
551611 Marketing and sale company
551612 Main trance and refurbishment of machines
551613 Organizations, research, information, literature
551614 Organizations, research, information, literature, general
551615 Welder qualification
551616 Welding research and education
551617 Scientific and technical associations
551618 Technical regulations, standardization
(German, European, for national standards)
551619 Inspection bodies
551620 Associations, institutions
551621 Specialist publishing houses
551622 Water jet cutting in paid labour
551623 Laser Wage Work
551624 Job Shops, general (twining, drilling, punching, eroding, honing, grinding)
551625 General repairs
551626 Technical services
551627 Total solutions provider
5517 power tools
551701 battery machine
551702 power tools mains operated
551703 machine-oriented accessory for power tools
5518 Hybridtechnology
551801 Occupational safety and environmental
551802 Semi-finished goods, materials
551803 Process materials
551804 Development and design
551805 Production logistics
551806 Research & Services
551807 Used machines, systems, plants
551808 Hybrid components
551809 Integrated technologies for processing metals/plastics
551810 IT systems/software
551811 Model making and prototyping
551812 Assembly and handling technology, periphery, automation
551813 surface treatment, refinement
551814 Process and quality control
551815 Stamping, shaping and beding techniques
551816 Technical plastics/components
551817 Interconnection technology
551818 Tooling and mold making
551819 Tools
551820 Stamped parts/components