

			, , ,
1	Manufacturing machinery for metallic tubes and pipes	2	Processing machinery for metallic tubes and pipes
1.1	Lines for the production of the starting material	2.1	Machinery for mechanical processing
1.1.1	Continuous casting lines	2.1.1	Tube straightening machines
1.1.2	Ingot casting lines	2.1.2	Tube cutting machines
1.1.3	Other casting lines	2.1.2.1	Tube sawing machines
	•	2.1.2.2	High-speed flying shears for tubes
1.2	Lines for the production of seamless tubes and pipes	2.1.2.3	Laser cutting lines for tubes
1.2.1	Lines for the preliminary stage	2.1.2.4	Water jet cutting lines for tubes
1.2.1.1	Piercing presses	2.1.2.5	Flame cutting lines for tubes
1.2.1.2	Piercing mills	2.1.3	Deburring machines for tubes
1.2.1.3	Forging lines	2.1.3.1	Inside and outside scarfing systems for
1.2.1.4	Sintering lines		longitudinally welded tubes
1.2.2	Lines for the production of the final product	2.1.4	Tube upsetting machines
1.2.2.1	Centrifugal casting lines	2.1.5	Tube expanding machines
1.2.2.2	Tube extrusion presses	2.1.6	Tube end beading machines
1.2.2.3	Push benches	2.1.7	Lines for blanking / stamping / punching of tubes
1.2.2.4	Drawing presses	2.1.8	Tube piercing machines
1.2.2.5	Mandrel mills	2.1.9	Tube profiling machines
1.2.2.6	Plug rolling mills	2.1.10	Tube grooving machines
1.2.2.7	Pilger rolling mills	2.1.11	Tube turning machines
1.2.2.8	Other hot forming lines	2.1.12	Tube drilling machines
1.2.2.9	Fretz-Moon welding lines	2.1.13	Tube thread cutting machines
1.2.3	Machines for downstream cold forming	2.1.14	Tube chamfering / bevelling machines
1.2.3.1	Cold pilger rolling mills	2.1.15	Tube slotting machines
1.2.3.2	Cold drawing lines	2.1.16	Tube scoring machines Tube welding machines
1.2.3.3 1.2.3.4	Cold rolling lines Other forming lines	2.1.17	High-frequency welding equipment
1.2.3.4	Accessories such as pointing systems	2.1.17.1 2.1.17.2	Induction welding equipment
1.2.3.6	Sintering lines	2.1.17.2	Resistance welding equipment
1.2.3.7	Smoothing and polishing mills	2.1.17.4	Inert gas welding equipment (TIG, ERW, MIG)
1.2.3.7	Sinouthing and potishing lints	2.1.17.5	Soldering equipment
1.3	Lines for the production of welded tubes and pipes	2.1.17.6	Forming gas chamber system for localised flooding
1.3.1	Lines for the preliminary stage	2.2.27.0	with forming gas when welding pipes of stainless
1.3.1.1	Strip rolling mills / sheet metal rolling mills		steel
1.3.2	Lines for finished products	2.1.18	Tube compressing machines
1.3.2.1	Machines for welding preparation	2.1.19	Rib-attaching machines for tubes
1.3.2.1.1	Edge milling machines	2.1.20	Other machines for tube processing
1.3.2.1.2	Roller cages		
1.3.2.1.3	Presses (for U, O or C profiles)	2.2	Tube forming lines
1.3.2.1.4	Three-roll bending machines	2.2.1	Tube bending machines
1.3.2.1.5	Fixing devices to centre tubes for welding	2.2.2	Tube end forming machines
1.3.2.2	Welding lines	2.2.3	Hydroforming lines
1.3.2.2.1	Longitudinal seam welding lines	2.2.4	Other tube forming lines
1.3.2.2.2	Spiral tube welding lines (for spiral welds)		
1.3.2.2.3	Butt welding lines	2.3	Tube machining centers
1.3.2.2.4	Other tube welding lines	2.3.1	Laser processing centers for tubes
1.3.2.2.5	Coil and welding equipment		
1.3.3	Machines for downstream cold forming	2.4	Machinery for the heat treatment of tubes
1.3.3.1	Cold rolling lines	2.4.1	Pre-heating and re-heating systems for tubes
1.3.3.2	Cold pilger rolling mills	2.4.1.1	Drying and heating furnaces
1.3.3.3	Cold drawing lines	2.4.2 2.4.3	Annealing lines for tubes
1.3.3.4 1.3.3.5	Pointing systems Push and draw benches	2.4.4	Induction annealing systems for tubes
		2.4.5	Partial heating systems for tubes
1.3.3.6	Other forming lines	2.4.5	Systems for soft annealing, tempering Systems for hardening, soft annealing, tempering
1.4	Lines for the production of folded tubes and pipes	2.4.7	Melting furnaces
1.4.1	Lines for the preliminary stage	2.4.8	Sintering plants
1.4.1.1	Strip rolling mills / sheet metal rolling mills	2.7.0	Sincering plants
1.4.1.2	Strip shaving equipment for aluminised or galvanised	2.5	Machinery for the surface treatment of tubes
	skelp	2.5.1	Tube descaling lines
1.4.2	Machines for the downstream cold forming	2.5.2	Brushing lines for tubes
1.4.2.1	Tube folding machines	2.5.3	Tube pickling lines

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2.5.4	Cleaning lines for tubes	3.1.2
2.5.5	Peeling machines for tubes	3.1.3
2.5.6	Grinding machines for tubes	3.1.4
2.5.6.1	Other grinding machines	3.1.5
2.5.7	Polishing machines for tubes	3.1.6
2.5.8 2.5.9	Lapping machines for tubes Honing machines for tubes	3.1.7 3.1.8
2.5.9	Coating lines for tubes	3.1.0
2.5.10	Galvanic coating lines for tubes	3.1.9
2.5.12	Lines for surface preparation for the adhesion	3.1.10
	of printing inks, varnishes and glues	3.1.11
2.5.13	Machines for electropolishing	
2.6	Insulating lines for tubes	3.2 3.2.1
2.0	insulating tiles for tubes	3.2.2
2.7	Marking and labelling systems for the tube and	3.2.3
	pipe industry	3.2.4
		3.2.5
2.8	Machinery for additive manufacturing (3D printing)	3.2.6
2.0	Country to the state of the sta	3.2.7
2.9	Second-hand machines for the tube industry	
2.10	Spare and wear parts for the tube industry	4
2.11	Handling systems, feeding systems and logistics for	•
2.11	the tube and pipe industry	4.1
2.11.1	Coiling and decoiling systems	4.1.1
2.11.1.1	for flexible ducts	4.1.2
2.11.1.2	for rigid ducts	4.1.2.1
2.11.2	Accumulators	4.1.2.2
2.11.2.1	Horizontal strip accumulators	4.1.2.3
2.11.3	Tube separating machines	4.1.2.4
2.11.4	Packing / packaging machines for the tube industry	4.1.2.5
2.11.4.1	Bundling and tying-off machines for tubes	4.1.2.6
2.11.4.2	Strapping machines for tubes	
2.11.4.3	Packaging materials for tubes and tube products	4.2
2.11.5	Conveyor systems for the tube industry	4.2.1
2.11.5.1 2.11.6	Robot technology for the tube industry Warehouse systems, storage systems for tubes	4.2.2
2.11.6.1	Storing (automatic, mechanical)	4.2.2
2.11.7	Machines for counting, weighing and sorting	4.2.3
2.11.8	Other handling and packaging systems	4.2.4
2.11.9	Stock automation	4.2.5
2.12	Repair and rehabilitation measures	4.2.6
2.12.1	Tubes and pipes	4.2.0
2.12.1	Welding seams in the construction of bulk storage tanks	4.3
2.12.3	Special machines and fittings	4.3.1
2.12.4	Inside and outside cleaning	4.3.2
		4.3.3
2.13	Profile Machinery	4.3.4
2.13.1	Profile bending machines	4.3.5
2.13.2	Profile roll forming machines	4.3.6
2.13.3	Profile working machines	
2.13.4	Profile cutting machines	4.4
2.13.5	Profile end forming machines	4.5
3	Tools, auxiliary materials and agents for the	4.6
3	manufacturing and processing of metallic tubes	4.6.1
	and pipes	4.6.2
2.1	Tools	4.6.3
3.1.1	Tools Polling tools	4.6.4 4.6.5
2.1.1	Rolling tools	4.0.5

3.1.2	Drawing tools
3.1.3	Forming tools and mandrels
3.1.4	Rrushes
3.1.5	Saw blades
3.1.6	Grinding wheels and polishing wheels
3.1.7	Thread rolling tools
3.1.8	Machines for the processing of rolling tools,
	pressing tools and drawing tools
3.1.9	Tools for cutting and deburring
3.1.10	Sawblade grinding machines
3.1.11	Other
3.2	Agents
3.2.1	Pickling agents
3.2.2	Cleaning agents
3.2.3	Drawing agents
3.2.4	Lubricants
3.2.5	Other chemicals
3.2.6	Fuel gases and shielding gases
3.2.7	Materials for welding and brazing/soldering
3.2.7	Materials for welding and brazing/soldering
	Tubes, pipes, tube products and
4	tube accessories
4.1	Seamless tubes made of ferrous metals
4.1.1	Seamless tubes made of cast iron
4.1.2	Seamless tubes made of steel
4.1.2.1	Seamless tubes made of stainless steel
4.1.2.1	Seamless tubes made of ferritic stainless steel
4.1.2.3	Seamless tubes made of austenitic stainless steel
4.1.2.4	Seamless tubes made of duplex steel
4.1.2.5	Seamless tubes made of other steel grades
4.1.2.6	Coated seamless steel tubes
	C
4.2	Seamless tubes made of non-ferrous metals
4.2.1	Seamless tubes made of aluminium and aluminium
	alloys
4.2.2	Seamless tubes made of copper and copper alloys
	(such as brass or bronze)
4.2.3	Seamless tubes made of nickel alloys
4.2.4	Seamless tubes made of titanium alloys
4.2.5	Seamless tubes made of other non-ferrous metals
4.2.6	and alloys Coated seamless tubes made of non-ferrous metals
4.2.6	and alloys
4.2.6	and alloys
	and alloys Coated seamless tubes made of non-ferrous metals
4.3	and alloys Coated seamless tubes made of non-ferrous metals Welded tubes made of steel
4.3 4.3.1 4.3.2	and alloys Coated seamless tubes made of non-ferrous metals Welded tubes made of steel Welded tubes made of stainless steel Welded tubes made of ferritic stainless steel
4.3 4.3.1 4.3.2 4.3.3	and alloys Coated seamless tubes made of non-ferrous metals Welded tubes made of steel Welded tubes made of stainless steel Welded tubes made of ferritic stainless steel Welded tubes made of austenitic stainless steel
4.3 4.3.1 4.3.2 4.3.3 4.3.4	and alloys Coated seamless tubes made of non-ferrous metals Welded tubes made of steel Welded tubes made of stainless steel Welded tubes made of ferritic stainless steel Welded tubes made of austenitic stainless steel Welded tubes made of duplex steel
4.3 4.3.1 4.3.2 4.3.3 4.3.4 4.3.5	and alloys Coated seamless tubes made of non-ferrous metals Welded tubes made of steel Welded tubes made of stainless steel Welded tubes made of ferritic stainless steel Welded tubes made of austenitic stainless steel Welded tubes made of duplex steel Welded tubes made of other steels grades
4.3 4.3.1 4.3.2 4.3.3 4.3.4	and alloys Coated seamless tubes made of non-ferrous metals Welded tubes made of steel Welded tubes made of stainless steel Welded tubes made of ferritic stainless steel Welded tubes made of austenitic stainless steel Welded tubes made of duplex steel
4.3 4.3.1 4.3.2 4.3.3 4.3.4 4.3.5	and alloys Coated seamless tubes made of non-ferrous metals Welded tubes made of steel Welded tubes made of stainless steel Welded tubes made of ferritic stainless steel Welded tubes made of austenitic stainless steel Welded tubes made of duplex steel Welded tubes made of other steels grades
4.3 4.3.1 4.3.2 4.3.3 4.3.4 4.3.5 4.3.6	and alloys Coated seamless tubes made of non-ferrous metals Welded tubes made of steel Welded tubes made of stainless steel Welded tubes made of ferritic stainless steel Welded tubes made of austenitic stainless steel Welded tubes made of duplex steel Welded tubes made of other steels grades Coated welded steel tubes
4.3 4.3.1 4.3.2 4.3.3 4.3.4 4.3.5 4.3.6	and alloys Coated seamless tubes made of non-ferrous metals Welded tubes made of steel Welded tubes made of stainless steel Welded tubes made of ferritic stainless steel Welded tubes made of austenitic stainless steel Welded tubes made of duplex steel Welded tubes made of other steels grades Coated welded steel tubes Welded tubes made of non-ferrous metals Spiral ducts
4.3 4.3.1 4.3.2 4.3.3 4.3.4 4.3.5 4.3.6 4.4	and alloys Coated seamless tubes made of non-ferrous metals Welded tubes made of steel Welded tubes made of stainless steel Welded tubes made of ferritic stainless steel Welded tubes made of austenitic stainless steel Welded tubes made of duplex steel Welded tubes made of other steels grades Coated welded steel tubes Welded tubes made of non-ferrous metals Spiral ducts Other metallic tubes
4.3 4.3.1 4.3.2 4.3.3 4.3.4 4.3.5 4.3.6 4.4 4.5	and alloys Coated seamless tubes made of non-ferrous metals Welded tubes made of steel Welded tubes made of stainless steel Welded tubes made of ferritic stainless steel Welded tubes made of austenitic stainless steel Welded tubes made of duplex steel Welded tubes made of other steels grades Coated welded steel tubes Welded tubes made of non-ferrous metals Spiral ducts Other metallic tubes Bimetallic tubes
4.3 4.3.1 4.3.2 4.3.3 4.3.4 4.3.5 4.3.6 4.4 4.5 4.6 4.6.1 4.6.2	and alloys Coated seamless tubes made of non-ferrous metals Welded tubes made of steel Welded tubes made of stainless steel Welded tubes made of ferritic stainless steel Welded tubes made of austenitic stainless steel Welded tubes made of duplex steel Welded tubes made of other steels grades Coated welded steel tubes Welded tubes made of non-ferrous metals Spiral ducts Other metallic tubes Bimetallic tubes Plastic-clad tubes
4.3 4.3.1 4.3.2 4.3.3 4.3.4 4.3.5 4.3.6 4.4 4.5 4.6 4.6.1 4.6.2 4.6.3	and alloys Coated seamless tubes made of non-ferrous metals Welded tubes made of steel Welded tubes made of stainless steel Welded tubes made of ferritic stainless steel Welded tubes made of austenitic stainless steel Welded tubes made of duplex steel Welded tubes made of other steels grades Coated welded steel tubes Welded tubes made of non-ferrous metals Spiral ducts Other metallic tubes Bimetallic tubes Plastic-clad tubes Tubes made from low carbon steel
4.3 4.3.1 4.3.2 4.3.3 4.3.4 4.3.5 4.3.6 4.4 4.5 4.6 4.6.1 4.6.2	and alloys Coated seamless tubes made of non-ferrous metals Welded tubes made of steel Welded tubes made of stainless steel Welded tubes made of ferritic stainless steel Welded tubes made of austenitic stainless steel Welded tubes made of duplex steel Welded tubes made of other steels grades Coated welded steel tubes Welded tubes made of non-ferrous metals Spiral ducts Other metallic tubes Bimetallic tubes Plastic-clad tubes



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4.6.6	Duplex and nickel base alloy pipes and tubes	4.9.2.2	Structural tubes for apparatus and plant engineering
4.6.7	Sintered tubes	4.9.2.3	Structural tubes for the construction industry
4.6.8	Precision tubes		(scaffolding, stands, towers, railings)
4.6.9	Threaded tubes (seamless, welded, mediumweight, heavy)	4.9.2.4	Structural tubes for masts
4.6.10	Galvanized and clad tubes (Zn, Cu, Sn etc.)		(tubular masts, lighting systems, ladders)
4.6.11	Anodized tubes	4.9.2.5	Structural tubes for vehicle construction
4.6.12 4.6.13	Coated tubes Surface-treated tubes	4.9.2.6	(automobiles, motorcycles, bicycles, trailers) Structural tubes for shipbuilding
4.6.14	Formed tubes	4.9.2.7	Structural tubes for aircraft construction
4.6.15	Tubes (rolled, insulated, plastic-coated)	4.9.2.8	Structural tubes for railway engineering
4.6.16	Rectified and chromium plated bars and tubes	4.9.2.9	Structural tubes for furniture
4.6.17	Bored and grinted mirror finish tubes for hydraulic	4.9.2.10	Structural tubes for musical instruments
	application	4.9.2.11	Structural tubes for other applications
4.6.18	Extruded tubes	4.9.2.12	Structural tubes for the chemical sector
4.6.19	Pilger tubes		(acid-resistant tubes etc.)
4.6.20	Hydro-formed tubes	4.9.3	Tubes for other applications
		4.9.3.1	Tubes for measuring technology
4.7	Tubes made of non-metallic materials	4.9.3.2	Blast tubes (steel production, oxygen tubes)
4.7.1 4.7.1.1	Tubes made of polymers Tubes made of ABS	4.10	Tube products
4.7.1.2	Tubes made of nylon	4.10.1	Tube bends / tube elbows
4.7.1.3	Tubes made of PB	4.10.2	Flanges
4.7.1.4	Tubes made of PE, XLPE, PE-X, HD-PE, MD-PE, LD-PE	4.10.3	Tailored tubes
4.7.1.5	Tubes made of PP, PP-R	4.10.4	Other tube products
4.7.1.6	Tubes made of PTFE		Cinc. 1000 products
4.7.1.7	Tubes made of PVC / PVC tubes	4.11	Tube accessories
4.7.1.8	Tubes made of other polymers	4.11.1	Connecting pieces for tubes
4.7.2	Tubes made of composite materials	4.11.2	Closures / protection caps for tubes
4.7.2.1	Carbon fibre tubes	4.11.3	Thread protectors for tubes
4.7.2.2	Fibreglass tubes	4.11.4	Seals for tubes
4.7.2.3	Glass Fiber Reinforced Epoxy	4.11.5	Fittings for tubes
4.7.3	Tubes made of glass / glass tubes	4.11.6	Mountings (brackets) for tubes
4.7.4	Tubes made of concrete / concrete tubes	4.11.7	Vibration damping elements for tubes
4.7.5	Tubes made of ceramic / ceramic tubes	4.11.8	Tube repair elements
4.7.6	Tubes made of earthenware Tubes made of other materials	4.11.9	Sockets for tubes
4.7.7	lubes made of other materials	4.11.10 4.11.11	Clamping rings for tubes Accessories for closures (screws etc.)
4.8	Delivery form	4.11.11	Accessories for closules (sciews etc.)
4.8.1	In straight lengths	4.12	Profil
4.8.2	In coils	4.12.1	Iron and steel profiles
		4.12.2	Stainless steel profiles
4.9	Tubes in relation to the application	4.12.3	Non-ferrous profiles
4.9.1	Installation pipes and tubes	4.12.4	Alloys Profiles
4.9.1.1	Drainage tubes		
4.9.1.2	Installation tubes for discharge systems		
4.9.1.3	Installation tubes for water, oil, gas or steam lines	5	Testing technology, sensor technology and
4.9.1.4	Installation tubes for solids transportation	3	quality assurance for the tube and pipe
	(powdered and free-flowing substances)		industry
4.9.1.5	Installation tubes for heat exchange and transfer	F 1	Matariala tantina
4.9.1.6	systems Installation tubes for shamical plants	5.1 5.1.1	Materials testing
4.9.1.7	Installation tubes for chemical plants Installation tubes for nuclear power plants	5.1.2	Equipment for destructive materials testing Equipment for non-destructive materials testing
4.9.1.7	Installation tubes for mechanical engineering	5.1.3	Hardness testers
4.5.1.0	(hydraulics, pneumatics)	5.1.4	Others
4.9.1.9	Installation tubes for engine manufacturing	3.2.4	o the is
4.9.1.10	Installation tubes for vehicle construction	5.2	Process testing and sensor technology
	(automobiles, motorcycles, bicycles, trailers)	5.2.1	Temperature measuring equipment
4.9.1.11	Installation tubes for shipbuilding	5.2.2	Length and speed measurement
4.9.1.12	Installation tubes for aircraft construction	5.2.3	Testing machines for rolls
4.9.1.13	Installation tubes for railway engineering	5.2.4	Sensors and actuators for tube processing machines
4.9.1.14	Installation tubes for other applications	5.2.5	Automatic control units
4.9.1.15	Installation tubes for drilling technology	5.2.6	Sensor evaluation systems (see also 7.1)
4.9.2	Structural tubes (hollow profiles)		
4.9.2.1	Structural tubes for steel construction		

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5.3	Product testing
5.3.1	Optical testing systems and endoscopes for tubes
5.3.2 5.3.3	Laser beam testing equipment Eddy current and magnetic powder testing equipment
5.3.4	Ultrasonic test equipment
5.3.5	X-ray inspection equipment
5.3.6	Thermographic testing equipment
5.3.7	Diameter measuring devices
5.3.8	Profile and geometry testing equipment
5.3.9	Concentricity testing equipment
5.3.10	Ovality testing equipment
5.3.11	Leakage testing equipment
5.3.12	Corrosion testing devices
5.3.13	Creep, vibration and fatigue strength testing equipment
5.3.14	Hydrostatic tube testing equipment
5.3.15	Analytical equipment
5.3.16	Others
5.3.17	Gauges
6	Environmental technologies and resource efficiency for the tube and pipe industry
6.1	Cooling and cleaning systems for operational equipment
6.2	Filtration systems and filters for operational equipment
6.3	Water treatment plants for the tube industry
6.4	Air exhaust systems for the tube industry
6.5	Storage systems for chemicals
6.6	Processing systems for chemicals
6.7	Recycling systems for chemicals
6.8	Disposal systems for chemicals
7	Software for the tube and pipe industry
7.1	Software for the design of tubes and tube products
7.2	Software for the design of piping systems
7.3	Simulation systems for the tube industry
7.4	Production Data Acquisition (PDA) systems
7.5	Enterprise Resource Planning (ERP) systems
7.6	Manufacturing Execution Systems (MES)
7.7	Tube Bending software
7.8	Other software

8.1 8.1.1 8.1.2	Steel tubes Seamless steel tubes and steel tube products Welded steel tubes and steel tube products
8.1.3	Cold drawn steel tubes
8.2 8.2.1	Tubes made of non-ferrous metals Seamless tubes and tube products made of
8.2.2	non-ferrous metals Welded tubes and tube products made of non-ferrous metals
8.2.3	Cold drawn tubes made of non-ferrous metals
8.3	Tubes made of polymers
8.4	Tubes made of composite materials
8.5	Glass tubes
8.6	Ceramic tubes
8.7	Tubes made of earthenware
8.8	Concrete tubes
8.9	Tubes made of other materials
9	Special area pipeline and OCTG technology (OCTG – Oil Country Tubular Goods)
9.1 9.1.1	Construction of OCTG plants and pipelines
9.1.2	Machinery and equipment Welding systems for pipelines
9.2	Maintenance of OCTG plants and pipelines
9.2.1 9.2.2	Equipment condition monitoring Leak searching / detection systems
9.3	Components for OCTG plants and pipelines
9.3.1 9.3.2	Drill pipes Casings
9.3.3	Tubings
9.3.4	Fittings
9.3.5	Valves
9.4	Corrosion protection for pipelines
9.4.1	Coating technology
9.4.2	Surface coatings
9.4.3 9.4.4	Cathodic corrosion protection Anodic corrosion protection
9.5	Reconditioning of pipelines
9.6	Services for OCTG plants and pipelines
9.6.1	Planning and design of OCTG and pipeline systems
9.6.2	Coating services
9.7 9.7.1 9.7.2	Software for OCTG plants and pipelines Software for the design of OCTG and pipeline systems Software for the monitoring of OCTG and pipeline systems

Trade with tubes and pipes

8

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9.7.3 9.7.4	Software for Production Data Acquisition (PDA) systems of OCTG plants and pipeline systems, and evaluation Simulation software for OCTG plants and pipeline systems
10	Special Area Plastic Tubes & Pipes
10.1	Competence area: utility supply (buildings and infrastructure)
10.2	Competence area: waste water disposal (buildings and infrastructure)
10.3	Competence area: building services
10.4	Competence area: industrial tubes and pipes
10.5	Manufacturing machinery for plastic tubes and pipes
10.6	Processing machinery for plastic tubes and pipes
10.7	Finished products plastic tubes and pipes
10.8	Other
11	Services for the tube and pipe industry
11.1	Management consulting
11.2	Technical consulting
11.3	Industry 4.0: Consulting and solutions
11.4	Market, technology and competition monitoring
11.5	Patent information
11.6	Testing laboratories
11.7	Certifications
11.8	Design of tubes
11.9	Planning of piping systems
11.10	Paid work on tubes such as bending or coating
11.11	Repair and renovation of tube systems
11.12	Others
11.13	Education and training
11.14	Research and teaching
11.15	Specialist literature / publishing houses
11.16	Associations