



 **MARCEGAGLIA**
CARBON STEEL

Marcegaglia Poland
Kluczbork plant

MARCEGAGLIA GROUP

OUR NUMBERS

MARCEGAGLIA IS A MAJOR PLAYER ON THE INTERNATIONAL STEEL SCENE THAT OFFERS CONSTANT GROWTH AND HIGH-QUALITY PRODUCTS AND PROCESSES, CONTRIBUTING SIGNIFICANT ADDED VALUE TO THE MARKET WHILE MAINTAINING A STRONG FOCUS ON SUSTAINABILITY.

1st ■ PLAYER IN STEEL PROCESSING SECTOR IN THE WORLD

■ PRODUCER OF STAINLESS STEEL WELDED TUBES IN THE WORLD

■ PRODUCER OF CARBON STEEL WELDED TUBES IN EUROPE

■ SERVICE CENTER IN ITALY

6.5

MILLION TONNES OF FINISHED PRODUCT

9.0

BILLION EUROS IN TURNOVER

7,500

EMPLOYEES

36

PLANTS ACROSS 4 CONTINENTS

15,000

CUSTOMERS



FLEXIBLE SOUL

INDEPENDENCE, DYNAMISM, AGILITY, RESPONSIVENESS, RESILIENCE AND SUSTAINABILITY ARE THE KEY ELEMENTS OF MARCEGAGLIA CORPORATE CULTURE:

FACTORS THAT HAVE HELPED MAKE THE COMPANY THE MAIN POINT OF REFERENCE FOR STEEL PROCESSING BOTH IN ITALY AND ABROAD.

MARCEGAGLIA IS ABLE TO SUCCESSFULLY OPERATE, EVEN GIVEN THE MOST DIFFICULT MARKETS AND GEOPOLITICAL CONDITIONS, THANKS TO INDUSTRIAL SYNERGIES, ECONOMIES OF SCALE AND THE DIVERSIFICATION OF PRODUCTION AND SUPPLY.

GROUP CULTURE FOCUSES ON THE ROLE OF PEOPLE AND ON SHARING SPECIFIC VALUES, WHICH HAVE BECOME THE CORNERSTONES OF ITS BUSINESS MODEL.



STRATEGIC RESOURCES AND DISTINCTIVE SKILLS

- SOLID GLOBAL PROCUREMENT NETWORK
- DIVERSIFIED RANGE OF PRODUCTS AND SERVICES
- WORLDWIDE DISTRIBUTION
(CUSTOMER BASE, GEOGRAPHIC MARKETS, AREAS OF USE)
- OPERATIONAL EXCELLENCE AND LOGISTICS
- FLEXIBILITY / REACTIVITY / SPEEDY DECISION MAKING
- SERVICE ORIENTATION
- COMPETENCE / MOTIVATION / STABILITY OF MANAGEMENT

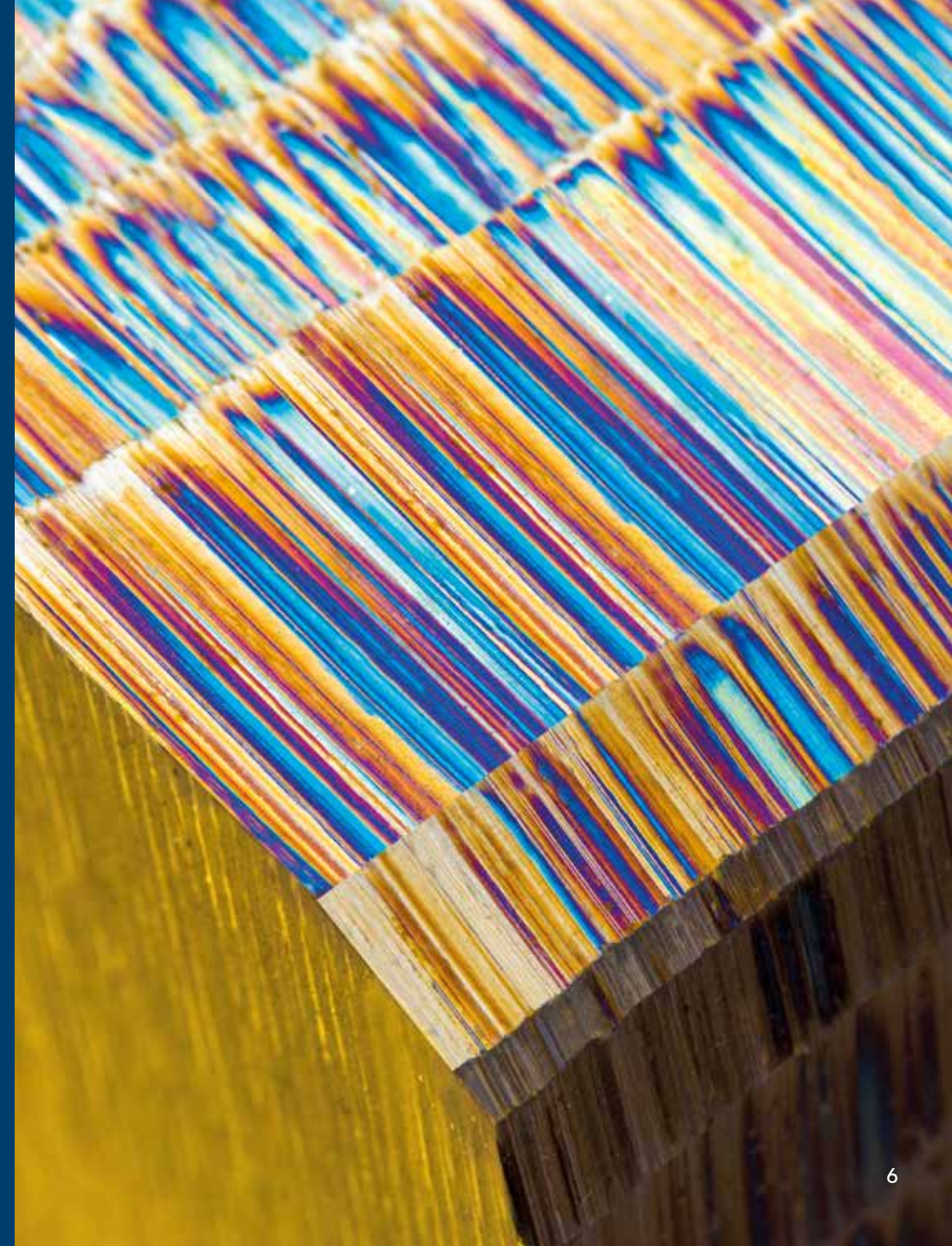


UNIQUE POSITIONING

MARCEGAGLIA IS PRESENT THROUGHOUT THE STEEL VALUE CHAIN, BOTH HORIZONTALLY AND VERTICALLY, THANKS TO ITS UNIQUE STRATEGIC POSITIONING.

THE GROUP IS THE WORLD'S LEADING INDEPENDENT STEEL PROCESSOR WITH A PRODUCT RANGE THAT COVERS EVERYTHING FROM CARBON TO STAINLESS STEEL, FROM LONG TO FLAT PRODUCTS, FROM COMMODITY TO SPECIALTY.

IN JANUARY 2023, THE COMPANY ACQUIRED AN ELECTRIC FURNACE FOR SPECIAL STEEL PRODUCTS IN SHEFFIELD, UK: THIS BEING THE FIRST PRIMARY PRODUCTION ASSET IN THE GROUP'S HISTORY. MARCEGAGLIA HAS INVESTED WITH A VIEW TO SHORTENING AND STABILISING SUPPLY CHAINS AND DEVELOPING AN OFFER OF INCREASINGLY SUSTAINABLE AND COMPETITIVE PRODUCTS.



STEEL, IN ALL SHAPES

CARBON STEEL



CARBON STEEL COILS
PICKLED, COLD ROLLED
AND HOT DIP GALVANIZED



CARBON STEEL STRIPS
BLACK, PICKLED,
COLD ROLLED AND
HOT DIP GALVANIZED



CARBON STEEL SHEETS
BLACK, PICKLED,
COLD ROLLED, HOT DIP
GALVANIZED, DIAMOND
AND TEARDROP PAT-
TERNERD



PRE-PAINTED COILS



PRE-PAINTED STRIPS AND SHEETS



CARBON STEEL WELDED TUBES



COLD-DRAWN WELDED TUBES



REFRIGERATION TUBES

BUILDING



INSULATED ROOFING AND WALL PANELS



INSULATED PANELS FOR SECTIONAL DOORS



SAFETY BARRIERS



SCAFFOLDING EQUIPMENT

SPECIALTY STEEL



STAINLESS STEEL COILS



STAINLESS STEEL STRIPS



STAINLESS STEEL SHEETS



STAINLESS STEEL WELDED TUBES



CARBON AND STAINLESS STEEL COLD-DRAWN BARS

STAINLESS STEEL FLAT BARS

STAINLESS STEEL COLD FORMED SECTIONS



STAINLESS STEEL WIRE RODS

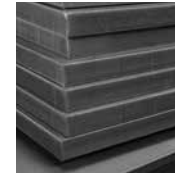


STAINLESS STEEL BARS



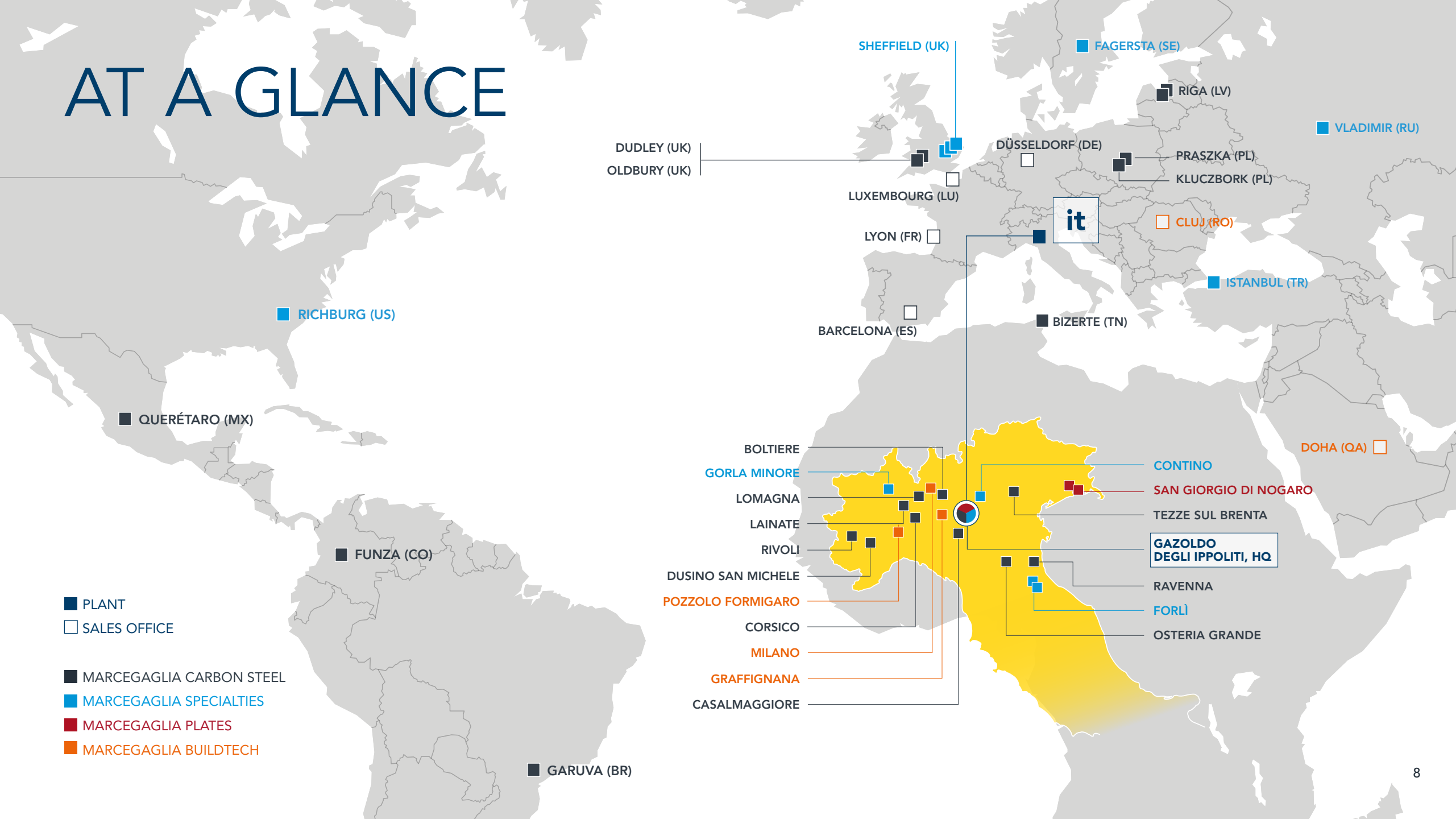
STAINLESS STEEL DRAWN WIRES

HEAVY PLATES



HEAVY PLATES

AT A GLANCE



MARCEGAGLIA POLAND

MARCEGAGLIA POLAND

The Marcegaglia manufacturing facility in Kluczbork, Poland was inaugurated in 2010 and is dedicated to the production of **carbon steel welded precision tubes** for a wide range of applications. Thanks to its dedicated lines can also supply the market with both standard and customized **sheets and strips**. It currently hosts 6 tubing mills working from hot rolled, cold rolled, pickled and galvanized carbon steel, 3 coil slitting lines, as well as a packaging line for strips and 2 cut to length machines for sheets.

Marcegaglia Poland also includes a manufacturing unit in the nearby city of **Praszka**, hosting the production of insulating panels for the building sector, condensers, heat exchangers for the appliance industry.

PRODUCTION AREAS



The manufacturing system in Kluczbork is efficiently equipped to **deliver just in time** tube products to the market, assisted by a well-established pre-sales and after-sales service.

The large warehouse area allows the plant to serve as the **main logistics hub** for the complete range of Marcegaglia flat and long products for the Central and Eastern European markets.

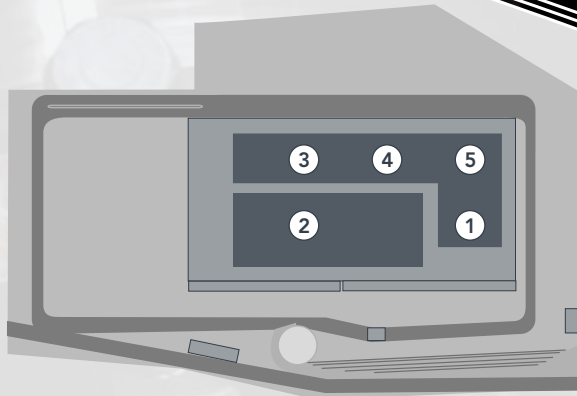
PRODUCTION AREAS

COVERED SURFACE
FOR MANUFACTURING
AND STORAGE

80,000 SQM

OVERALL AREA

450,000 SQM



- ① Slitting 3
- ② Tube mills 6
- ③ Tube warehouse
- ④ Cut to length machines and warehouse 3
- ⑤ Raw material warehouse



MARCEGAGLIA

CARBON STEEL 12

QUALITY AND SERVICE

Downstream of the welding process, the latest-generation Marcegaglia technology used on Kluczbork cold forming lines includes a series of in-line operations such as the removal of the internal welding bead, **non-destructive tests** and inspections, special tube end finishing and sizing.

Extremely precise inspection of tubes' outside diameter can be performed directly on the production line using a rotating sampling laser technology developed by Marcegaglia, capable of instantly detecting any variation from the tolerance required for the specific order.



MARCEGAGLIA
CARBON STEEL

QUALITY AND SERVICE



Marcegaglia's **certified production system** also ensures that tubes are completely traceable throughout the entire production chain, from the original material to chemical and mechanical properties, to guarantee absolute suitability for the specific applications in accordance with the relevant standards.

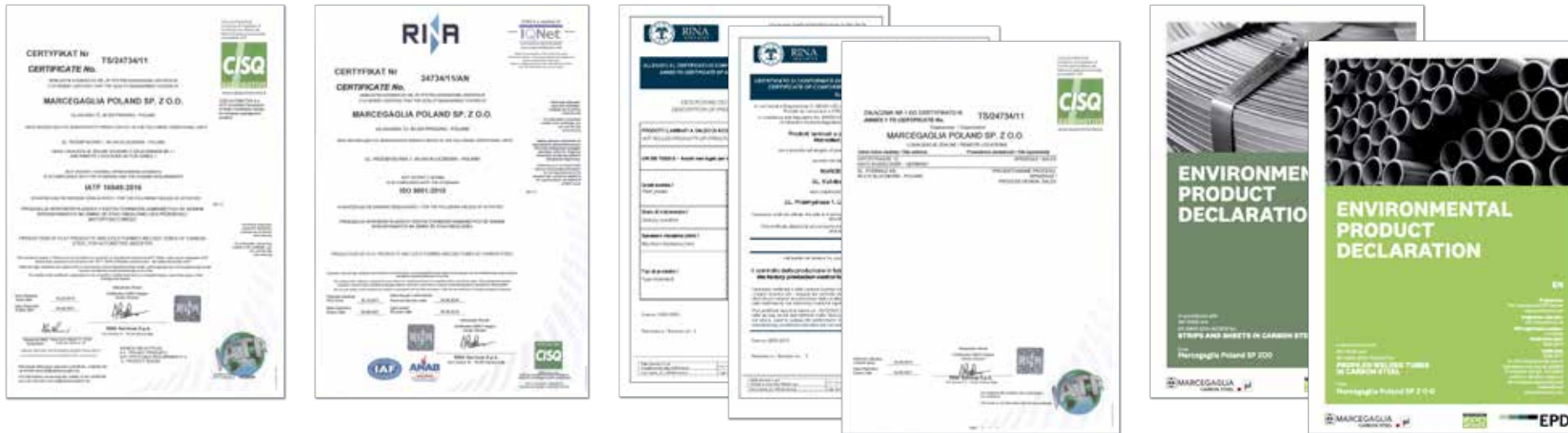
After welding and testing, tubes are cut to length, packaged and stored according to any specific requirement.



MARCEGAGLIA
CARBON STEEL

MARCEGAGLIA POLAND CERTIFICATIONS

- IATF 16949:2016
- UNI EN ISO 9001:2015
- **Certificate of conformity** for Factory Production Control for construction products in compliance with Regulation No.305/2011/EU
- **Environmental Product Declaration (EPD)** for carbon steel strips, sheets and profiled welded tubes



TYPICAL APPLICATIONS



TUBES FOR STEEL STRUCTURAL WORK

**TUBES FOR PRESSURE PURPOSES
AND LONG-DISTANCE HEATING SYSTEMS**

**TUBES FOR MECHANICAL
AND AUTOMOTIVE APPLICATIONS**

TUBES FOR AGRICULTURAL APPLICATIONS

TUBES FOR THE FURNITURE INDUSTRY

TUBES FOR FITNESS EQUIPMENT

TUBES FOR RADIATORS

TUBES FOR OTHER INDUSTRIAL APPLICATIONS

In over 60 years of steel processing activity, Marcegaglia has developed a unique know-how in the manufacturing of precision tubes to meet the strict dimensional and surface specifications required by manufacturers in sectors such as furniture and sports equipment.

The product range covers a wide array of structural and mechanical applications, from the construction and agricultural industry to the heating and ventilation sector, guaranteeing specific suitability for subsequent processing.

CARBON STEEL WELDED TUBES

Round tubes	Local	Global
Min. thickness (mm)	0.8	0.3
Max. thickness (mm)	8	16
Min. diameter (mm)	12	8
Max. diameter (mm)	168,3	406,4

Rectangular tubes	Local	Global
Min. thickness (mm)	0.8	0.6
Max. thickness (mm)	8	14
Ext. size min. (mm)	15x10	12x10
Ext. size max. (mm)	160x100 - 180x80	400x250

Square tubes	Local	Global
Min. thickness (mm)	0.8	0.6
Max. thickness (mm)	8	16
Ext. size min. (mm)	10x10	9x9
Ext. size max. (mm)	125x125	325x325



MARCEGAGLIA

CARBON STEEL 17

MAIN MANUFACTURING STANDARDS

MANUFACTURING STANDARD	PRODUCT DESIGNATION	TREATMENT	GRADE*	SURFACE CONDITIONS
EN 10305-3	Round and shaped welded and cold sized steel tubes for precision applications	+CR1 Welded and sized +CR2 Welded and sized +A Annealed +N Normalized	E155, E190 E195, E220 E235, E260 E275, E320 E355, E370 E420, E460 E500, E550 E600, E700 E780, E980 (Marcegaglia Standards)	S1 From hot-rolled strip, black S2 From hot-rolled strip, pickled S3 From cold-rolled strip S4 From coated strip
EN 10305-5	Square and rectangular welded and cold sized steel tubes for precision applications			
EN 10219	Cold formed welded structural tubes (CE homologation)		S235JRH, S275J0H S275J2H, S355J0H S355J2H, S355MH S420MH, S460MH	

Upon request: supply of grades not included in the above mentioned standards



MARCEGAGLIA
CARBON STEEL

MAIN MANUFACTURING STANDARDS

MANUFACTURING STANDARD	PRODUCT DESIGNATION	TREATMENT	GRADE*	TEST CATEGORIES
EN 10210-1	Structural hollow sections of non-alloy and fine grain steels, hot finished or cold formed and heat treated	Heat treatments	S235JRH, S275J0H S275J2H, S355J0H S355J2H, S335K2H S275NH, S355NH S420NH, S460NH	
EN 10217-1	Tubes for pressure purposes, for use at room temperature	Heat treatments upon request	P195 P235 P265	TR1 TR2 TR1 TR2 TR1 TR2
EN 10217-2	Tubes for pressure purposes, for use at high temperatures		P195GH P235GH P265GH	TC1 TC2

Upon request: supply of grades not included in the above mentioned standards



MARCEGAGLIA
CARBON STEEL

STEEL SHEETS

FROM BLACK, PICKLED, COLD ROLLED
AND GALVANIZED COILS

The new coil flattening lines,
dedicated to high yield strength steel materials,
represent the state of the art among recent investments
by Marcegaglia in its service centers
including Italy, Brazil and Poland.

BLACK STEEL SHEETS

Thickness	min. - max. (mm)	3 - 12.7
Width	min. - max. (mm)	500 - 2,000
Length	min. - max. (mm)	1,000 - 18,000

PICKLED STEEL SHEETS

Thickness	min. - max. (mm)	3 - 6
Width	min. - max. (mm)	500 - 1,500
Length	min. - max. (mm)	1,000 - 18,000

STEEL SHEETS FROM COLD ROLLED COILS

Thickness	min. - max. (mm)	0.4 - 3
Width	min. - max. (mm)	500 - 1,500
Length	min. - max. (mm)	350 - 9,000

HOT DIP GALVANIZED STEEL SHEETS

Thickness	min. - max. (mm)	1 - 4
Width	min. - max. (mm)	500 - 1,500
Length	min. - max. (mm)	350 - 9,000



MARCEGAGLIA
CARBON STEEL

TYPICAL APPLICATIONS

HEAVY VEHICLES AND TRAILERS

BUILDING AND CONSTRUCTION INDUSTRY

MECHANICAL ENGINEERING

ELECTRICAL INDUSTRY

AGRICULTURE INDUSTRY

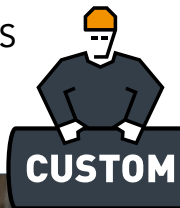
METALWORK INDUSTRY



MARCEGAGLIA
CARBON STEEL

CARBON STEEL STRIPS

THE WIDE RANGE OF ADDITIONAL PROCESSING AND SPECIAL GRADES SATISFIES THE REQUIREMENTS OF SEVERAL INDUSTRY SECTORS WITH VALUE ADDED, HIGHLY CUSTOMIZED SOLUTIONS.



Product range	Local	Global
Min. thickness (mm)	0.3	0.3
Max. thickness (mm)	6.0	6.0
Min. width (mm)	30.0	30.0
	(0,30 ≤ thickness ≤ 3,00 mm)	
	45.0	
	(3,00 ≤ thickness ≤ 6,00 mm)	
Max. width (mm)	1,500 *	1,500
Specific tolerances upon request		
Max. outside diameter (mm)	2,150 *	
Inside diameter (mm)	508-610 *	
Max. weight (kg)	5,000 *	

* thickness upon request



MARCEGAGLIA

CARBON STEEL

MARCEGAGLIA BALTICS

MARCEGAGLIA BALTICS

Marcegaglia Baltics was born in 2023.

The manufacturing plant in Riga, Latvia is dedicated to the production of **carbon steel sheets and strips** for a wide range of applications.

It currently hosts **4 flat steel processing lines** (2 are for cut-to length and 2 for slitting) as well as **packaging lines** for sheets and strips.

Marcegaglia Baltics also owns **2 warehousing centers** in Riga, supported by partner warehouses.

The company has got three ISO certificates:
ISO 9001:2015 / ISO 14001:2015 / ISO 45001:2018



MARCEGAGLIA
CARBON STEEL

MARCEGAGLIA BALTICS: PLANT AND WAREHOUSES

4 flat steel processing lines

Line	Type of service	Material	Material thickness (mm)	Max capacity (t)
Line 1	Cut-to length	HR	1.5 – 12.0	140,000
Line 2	Cut-to length	CR, HR pickled, electrical, HDG	0.5 – 3.5	31,000
Line 3	Slitting	CR, HR pickled, electrical, HDG	0.5 – 3.0	70,000
Line 4	Slitting	HR, HR pickled	0.8 – 6.0	36,000
TOTAL				277,000

2 own warehousing centers in Riga, supported by partner warehouses

Warehouses	TOTAL (t)	Covered (t)	Open (t)	Current storage volume (t)
Own warehouses	80,000	32,000	48,000	40,000
Warehouse 1	15,000	12,000	3,000	10,000
Warehouse 2	65,000	20,000	45,000	30,000
Warehouses in ports of Riga	from 50,000 up to 70,000	35,000	from 15,000 up to 35,000	75,000



MARCEGAGLIA BALTICS: PRODUCTION DETAILS

Cutting into sheets

LINE 1 (hot-rolled steel)	Input material	
	coil thickness	0.5 – 3.5 mm
	coil width	330 – 1,560 mm
	inner diameter	485 – 635 mm
	outer diameter	635 – 2,134 mm
	maximum weight	20 t
	Finished products	
	sheet width	127 – 1,560 mm
	sheet length	254 – 6,030 mm
	length tolerance	from 0.2 mm
	maximum weight of the finished pack	4.5 t

LINE 2 (cold-rolled, hot-rolled, hot-rolled pickled steel)	Input material	
	coil thickness	1.5 – 12 mm
	coil width	500 – 2000 mm
	inner diameter	508 – 850 mm
	outer diameter	800 – 2300 mm
	maximum weight	20 t
	Finished products	
	sheet width	500 – 2000 mm
	sheet length	500 – 12000 mm
	length tolerance	from 1.0 mm
	maximum weight of the finished pack	10 t

MARCEGAGLIA BALTICS: PRODUCTION DETAILS

Cutting into strips

LINE 3 (cold-rolled, hot-rolled pickled, electrical and galvanized steel)	Input material	
	coil thickness	0.5 – 3.0 mm
	coil width	100 – 1600 mm
	inner diameter	508 – 750 mm
	outer diameter	920 – 2000 mm
	maximum weight	20 t
	Finished products	
	strip width	20 – 1520 mm
	strip width tolerance (if thickness from 1.0 mm)	from 0.1 mm
	strip width tolerance (if thickness from 1.0 mm)	± 10% from thickness
	coil inner diameter	508 – 610 mm
	coil outer diameter	1800 mm
	maximum finished coil weight	20 t

LINE 4 (hot-rolled, hot-rolled pickled steel)	Input material	
	coil thickness	0.8 – 6.0 mm
	coil width	150 – 1250 mm
	inner diameter	508 – 850 mm
	outer diameter	1170 – 2050 mm
	maximum weight	20 t
	Finished products	
	strip width	33 – 1250 mm
	strip width tolerance (if thickness from 1.0 mm)	from 0.1 mm
	strip width tolerance (if thickness from 1.0 mm)	± 10% from thickness
	coil inner diameter	508 mm
	coil outer diameter	2050 mm
	maximum finished coil weight	20 t

STEEL FOR GREEN GROWTH



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