



# **MARCEGAGLIA CARBON STEEL**

**FLAT DIVISION • COILS**

# MARCEGAGLIA GROUP

# GLOBAL PLAYER IN STEEL

MARCEGAGLIA IS THE ITALIAN  
INDUSTRIAL GROUP LEADING THE EUROPEAN  
AND WORLDWIDE STEEL MARKET.

A UNIQUE COMBINATION OF THE DYNAMIC  
ITALIAN FAMILY BUSINESS MODEL  
WITH THE GREAT OPERATING  
CAPACITY AND PRESENCE  
IN THE INTERNATIONAL MARKETS,  
TYPICAL OF THE LARGE CORPORATIONS.

**6.2 MILLION TONS**  
PROCESSED YEARLY

**5.5 BILLION EUROS SALES**  
MARCEGAGLIA HOLDING

**(5.3 BILLION EUROS SALES** MARCEGAGLIA STEEL)

**6,600 EMPLOYEES**

**28 STEEL PLANTS**

**60 SALES OFFICES**

**1<sup>st</sup> INDEPENDENT PLAYER**

IN STEEL PROCESSING SECTOR IN THE WORLD

**1<sup>st</sup> PRODUCER OF STAINLESS STEEL**

**WELDED TUBES** IN THE WORLD

**1<sup>st</sup> PRODUCER OF CARBON STEEL**

**WELDED TUBES** IN EUROPE

**1<sup>st</sup> SERVICE CENTER** IN ITALY

 **MARCEGAGLIA**

# CORPORATE CULTURE

INDEPENDENCE, DYNAMISM, RESILIENCE,  
COMPETENCE, VERSATILITY, REACTIVITY:  
IN 60 YEARS OF HISTORY,  
THESE DISTINCTIVE VALUES MADE MARCEGAGLIA  
THE PRIVILEGED PARTNER  
IN THE STEEL PROCESSING INDUSTRY.

THE COMPANY CULTURE IS BASED  
ON PEOPLE CENTRICITY AND SHARING  
OF THE SAME KEY VALUES WHICH  
ARE SHAPING MARCEGAGLIA  
UNIQUE BUSINESS MODEL.

# STEEL CORE

CORE BUSINESS ACTIVITIES, CONTROLLED BY MARCEGAGLIA STEEL (HOLDING COMPANY, WHICH REPRESENTS 95% OF TOTAL ACTIVITIES), ARE ORGANIZED THROUGH FIVE DIFFERENT OPERATING COMPANIES: MARCEGAGLIA CARBON STEEL AND MARCEGAGLIA RAVENNA WITH THE FLAT PRODUCTS AND WELDED TUBES DIVISIONS, MARCEGAGLIA SPECIALTIES AND MARCEGAGLIA GAZOLDO INOX WITH THE STAINLESS PRODUCTS AND COLD DRAWN BARS DIVISIONS, MARCEGAGLIA PLATES FOR THE HEAVY PLATES PRODUCTION.

MARCEGAGLIA INVESTMENTS IS THE HOLDING FOR THE DIVERSIFIED ACTIVITIES (5% OF TOTAL ACTIVITIES).

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Staff Corporate

MARCEGAGLIA HOLDING

MARCEGAGLIA  
STEELMARCEGAGLIA  
INVESTMENTSMARCEGAGLIA  
RAVENNA  
**CARBON STEEL  
FLAT PRODUCTS**

1 PLANT ITALY

MARCEGAGLIA  
CARBON STEEL  
**CARBON STEEL  
FLAT PRODUCTS****CARBON STEEL  
WELDED TUBES**HEADQUARTERS AND PLANT  
GAZOLDO DEGLI IPPOLITI1 PLANT ITALY 5 PLANTS ITALY  
3 WAREHOUSES ITALYMARCEGAGLIA  
GAZOLDO INOX  
**STAINLESS STEEL  
FLAT PRODUCTS**

1 PLANT ITALY

MARCEGAGLIA  
SPECIALTIES  
**STAINLESS STEEL  
PRODUCTS**HEADQUARTERS  
GAZOLDO DEGLI IPPOLITI

1 PLANT ITALY 1 PLANT ITALY

**COLD-DRAWN  
BARS**MARCEGAGLIA  
PLATES  
**HEAVY PLATES**HEADQUARTERS  
GAZOLDO DEGLI  
IPPOLITI  
1 PLANT ITALYMARCEGAGLIA  
PALINI E BERTOLI  
1 PLANT**BUILDING**Marcegaglia Buildtech  
M. Gulf Qatar**HOME PRODUCTS**

Oskar Imat

**ENERGY**CO.GE.AM Other particip.  
EuroEnergy Other particip.  
ETA**ENGINEERING**

Elet.Ca Made HSE

**HOSPITALITY ACTIVITIES  
& REAL ESTATE**Albarella Other particip.  
Pugnochiuso  
Gaia Turismo Other particip.  
Palazzo Agricoltura  
Gabetti Property Solutions**OTHER PARTICIPATIONS**

PLANTS &amp; SALES OFFICES

MARCEGAGLIA  
CENTRAL AMERICAMARCEGAGLIA COLOMBIA  
1 PLANTMARCEGAGLIA MEXICO  
1 PLANTMARCEGAGLIA DO BRASIL  
1 PLANTMARCEGAGLIA NOVERO  
1 PLANTMARCEGAGLIA POLAND  
2 PLANTSMARCEGAGLIA UK  
3 PLANTS

SALES OFFICES

MARCEGAGLIA  
DEUTSCHLANDMARCEGAGLIA  
FRANCEMARCEGAGLIA  
IBERICAMARCEGAGLIA  
NORTH EUROPEMARCEGAGLIA  
ROMANIAOTHER  
PARTICIPATIONS

Fontana

SIM

Consorzio  
ABSolute

PLANTS &amp; SALES OFFICES

Mariven

MARCEGAGLIA RU 1 PLANT

MARCEGAGLIA TURKEY 1 PLANT

MARCEGAGLIA USA 1 SALES OFFICE

EMPLOYEES	TURNOVER (M/€)		PRODUCTION (KT/y)	
4,300	3,450 TOTAL		4,650 TOTAL	
	2,300	1,150	3,100	1,550
	FLAT PRODUCTS	WELDED TUBES	FLAT PRODUCTS	WELDED TUBES

E	T (M/€)		P (KT/y)	
1,000	1,350 TOTAL		700 TOTAL	
	1,200	150	500	200
	STAINLESS STEEL PRODUCTS	COLD- DRAWN BARS	STAINLESS STEEL PRODUCTS	COLD- DRAWN BARS

E	T (M/€)	P (KT/y)
200	400	800

E	T (M/€)	P (KT/y)
1,100	250	50

MARCEGAGLIA

# STEEL IN THE WORLD



## Gazoldo degli Ippoliti HQ

Boltiere, ITA  
Casalmaggiore, ITA  
Corsico, ITA  
Dusino San Michele, ITA  
Lainate, ITA  
Lomagna, ITA  
Osteria Grande, ITA  
Rivoli, ITA  
Tezze sul Brenta, ITA  
Dudley, UK  
Oldbury, UK  
Rotherham, UK  
Funza, Colombia  
Garuva, Brazil  
Kluczbork, Poland  
Praszka, Poland  
Querétaro, Mexico

## SALES OFFICES

Barcelona, Spain  
Cluj, Romania  
Düsseldorf, Germany  
Luxembourg, Luxembourg  
Lyon, France



Ravenna, ITA



Gazoldo degli Ippoliti, ITA



## Gazoldo degli Ippoliti HQ

Contino, ITA  
Forlì, ITA  
Istanbul, Turkey  
Vladimir, Russia

## SALES OFFICES

Munhall, USA



## Gazoldo degli Ippoliti HQ

San Giorgio di Nogaro, ITA (2)

## HARBOURS AND RAIL TERMINALS

Ravenna, ITA  
San Giorgio di Nogaro, ITA

## OUR MAIN LOGISTIC HUBS

Kolding, Gdansk, Newport, Antwerpen,  
Hagen, Siegen, Karlsruhe, Lyon, Constanta,  
Gemlik, Tarragona

■ US

■ mx

■ CO

■ br

uk.

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pl

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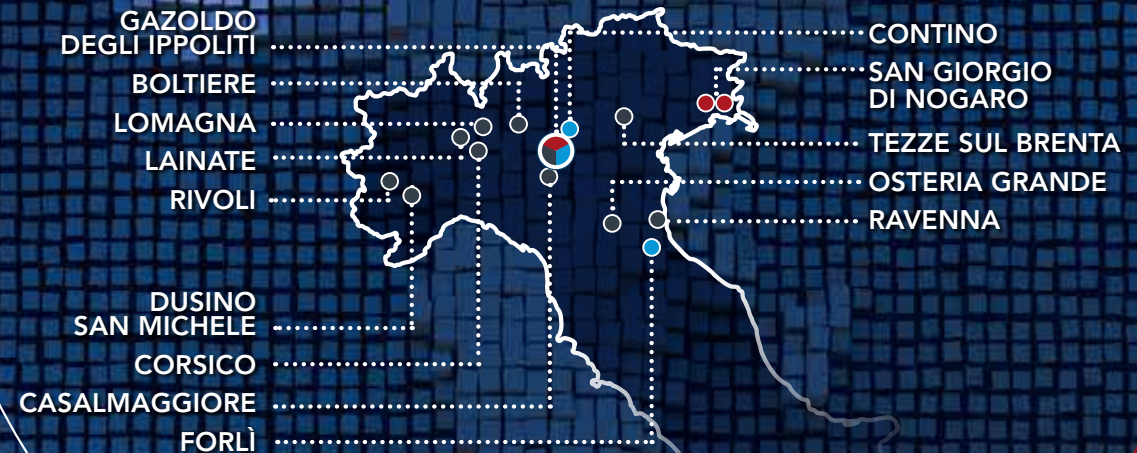
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STEEL PRODUCTION

Via either blast furnace, using iron mineral and carbon, or electric furnace, using re-melted scrap steel.

ACTIVITIES

IRON MAKING  
STEEL MAKING  
CASTING  
HOT ROLLING

OUTPUT

COILS  
BARS  
HEAVY PLATES

1<sup>st</sup> TRANSFORMATION

ARE CHEMICALLY AND/OR MECHANICALLY PROCESSED TO MAKE THEM SUITABLE FOR SPECIFIC INDUSTRIAL PURPOSES

PICKLING  
COLD ROLLING  
GALVANIZING  
PRE-PAINTING

GALVANISED,  
PICKLED,  
COLD ROLLED  
AND PRE-PAINTED COILS

PICKLING  
COLD ROLLING

HR/CR COILS

2<sup>nd</sup> TRANSFORMATION

ADVANCED PROCESSING TO CUSTOMISE STEEL PRODUCTS ON CLIENTS SPECIFIC REQUESTS

TUBE FORMING, SLITTING  
AND CUTTING TO LENGTH

TUBES, STRIPS,  
SHEETS, DRAWN BARS

TUBE FORMING, SLITTING  
AND CUTTING TO LENGTH,  
DRAWING

TUBES, STRIPS,  
SHEETS, DRAWN BARS

DISTRIBUTION

DIRECT SELLING  
AND/OR RETAILING  
TO INDUSTRIAL CLIENTS  
OR FURTHER PROCESSING  
UNDER REQUEST

FINISHING  
DISTRIBUTION

ALL PRODUCTS

FINISHING  
DISTRIBUTION

ALL PRODUCTS

Marcegaglia is covering the whole downstream and distribution steel value chain, both horizontally and vertically, thanks to its **unique strategic position**.  
Marcegaglia is the first steel processor with a range of products that varies from carbon to stainless, from long to flat products, from commodity to specialty.

Carbon steel products  
Stainless steel products



STEEL UNIQUE

# PRODUCT RANGE

## **MARCEGAGLIA** CARBON STEEL



**CARBON STEEL COILS**



**CARBON STEEL STRIPS**



**CARBON STEEL SHEETS**



**CARBON STEEL  
WELDED TUBES**



**COLD-DRAWN  
WELDED TUBES**



**REFRIGERATION TUBES**



**HOT DIP GALVANIZED COILS**



**HOT DIP GALVANIZED STRIPS**



**HOT DIP GALVANIZED SHEETS**



**PRE-PAINTED COILS**



**PRE-PAINTED STRIPS**



**PRE-PAINTED SHEETS**

## **MARCEGAGLIA** PLATES



**HEAVY PLATES**

## **MARCEGAGLIA** SPECIALTIES



**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**

## **MARCEGAGLIA** BUILDTech



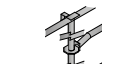
**INSULATED PANELS**



**INSULATED PANELS  
FOR SECTIONAL DOORS**



**TRAPEZOIDAL  
CORRUGATED SHEETS**



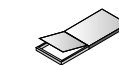
**SM8 SYSTEM**



**SCAFFOLDING SYSTEMS**



**SAFETY BARRIERS**

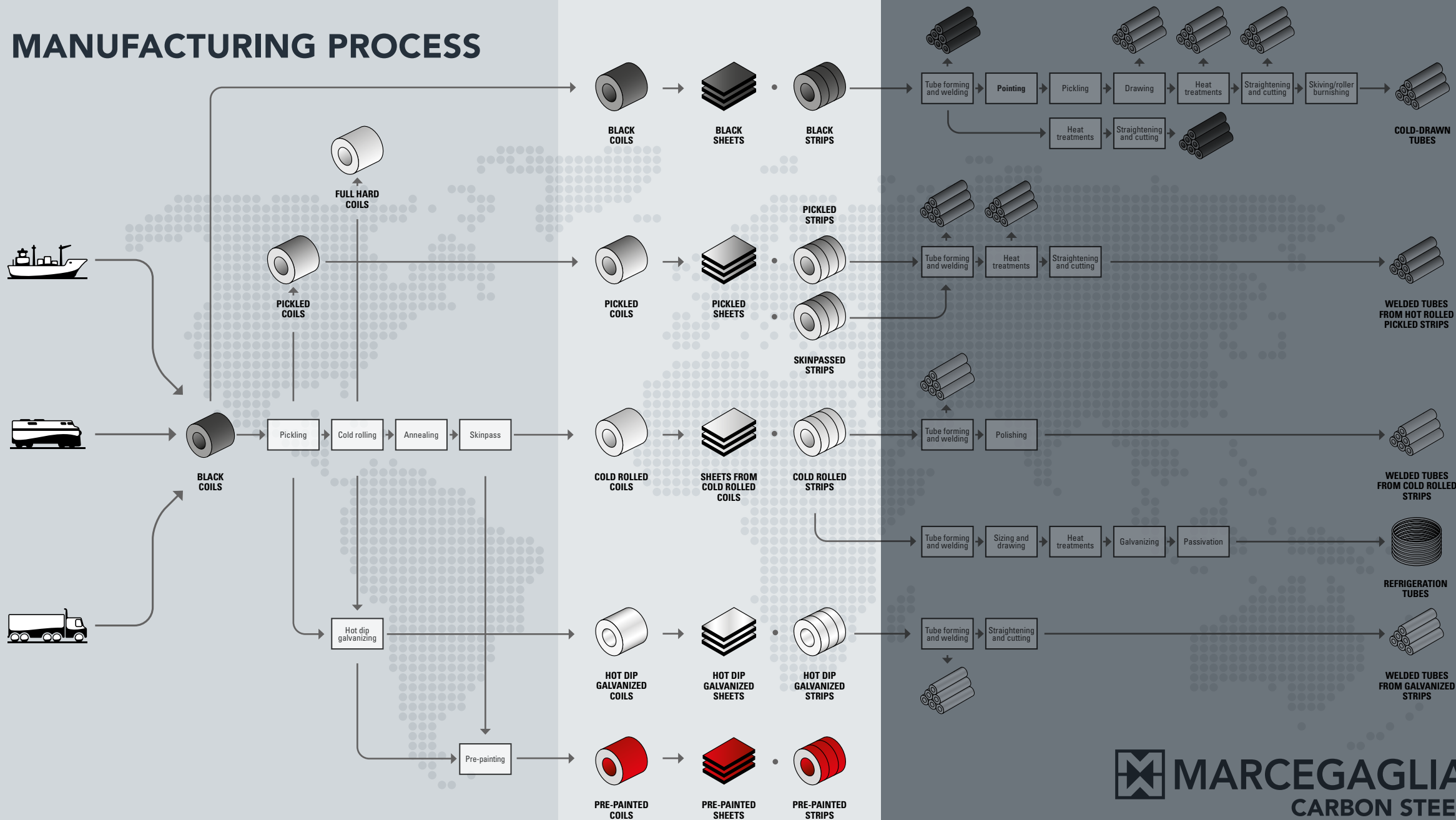


**PLANK**

## **MARCEGAGLIA**

# COILS MARCEGAGLIA

# MANUFACTURING PROCESS



# WORLDWIDE PRESENCE



GAZOLDO DEGLI IPPOLITI  
HEADQUARTERS



KLUCZBORK, POLAND



CORSICO, ITALY



RAVENNA, ITALY



GARUVA, BRAZIL

# COILS PICKLED, COLD ROLLED, GALVANIZED

New large processing plants have been added to the Ravenna complex, the main hub of Marcegaglia carbon steel coil transformation activities, increasing the overall capacity and doubling the production of hot dip galvanized and pre-painted steel.

Member of CISQ Federation



CERTIFIED MANAGEMENT SYSTEM  
ISO 9001

Member of CISQ Federation



CERTIFIED MANAGEMENT SYSTEM  
ISO 14001



0474



**MARCEGAGLIA**  
CARBON STEEL

# TYPICAL APPLICATIONS

Applications for carbon steel hot rolled, cold rolled and galvanized coils include several engineering and machinery industry sectors, but also packaging, construction, furniture, household appliances, heating and ventilation.

**STEEL FOR THE CONSTRUCTION INDUSTRY**

**STEEL FOR AUTOMOTIVE APPLICATIONS**

**STEEL FOR ELECTRIC MOTORS**

**STEEL FOR PACKAGING**

**STEEL FOR HOUSEHOLD APPLIANCES  
AND FURNITURE**

**STEEL FOR SECTIONS  
AND TUBES**

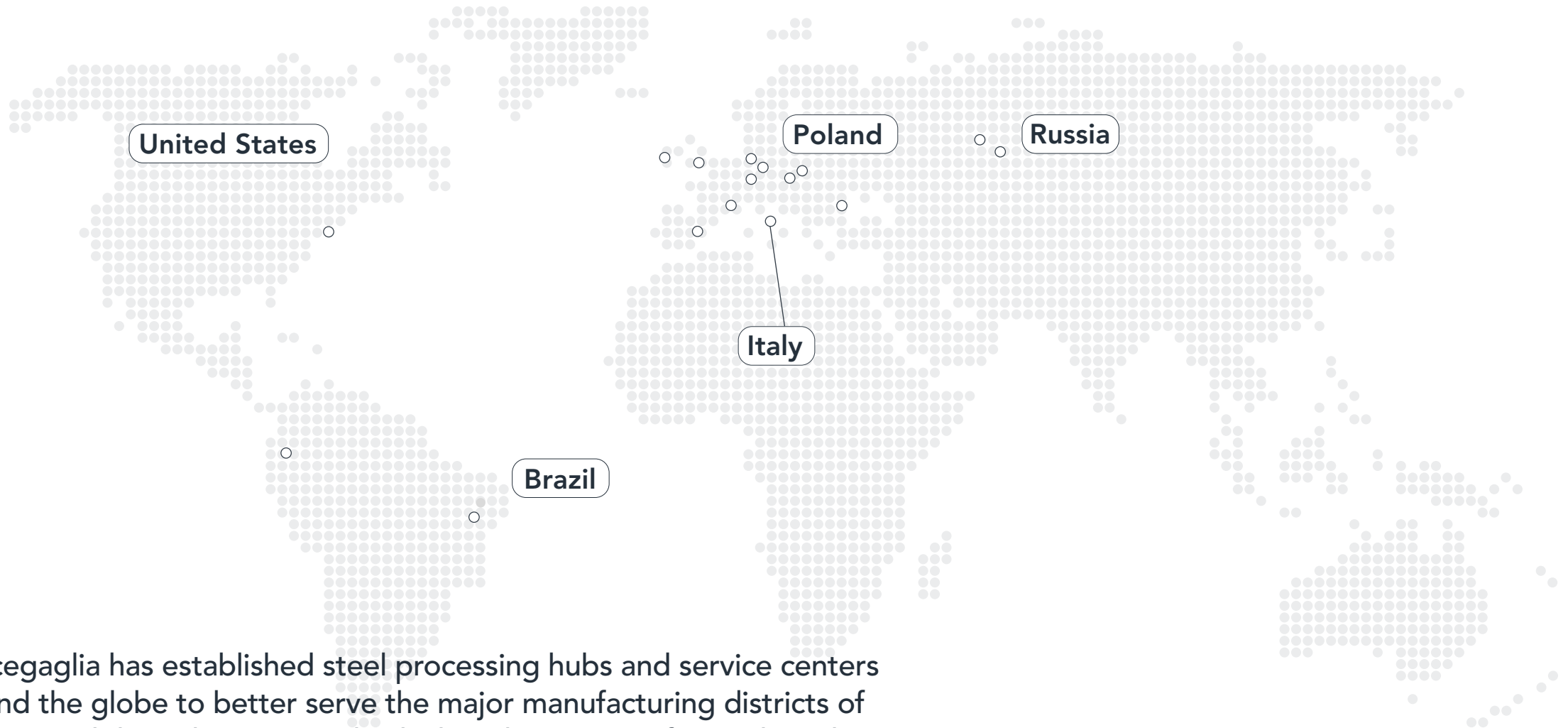
**STEEL FOR AGRICULTURAL EQUIPMENT**

**STEEL FOR HEATING  
AND PLUMBING SYSTEMS**



**MARCEGAGLIA**  
CARBON STEEL

# HUB AND SERVICE CENTERS



Marcegaglia has established steel processing hubs and service centers around the globe to better serve the major manufacturing districts of the automobile and commercial vehicle industry. Specific steel grades and tolerances are implemented to supply the automotive sector.

# PICKLED COILS



.....  
Thickness min. - max. (mm) 1.20 - 6.00  
.....

.....  
Width min. - max. (mm) 1,000 - 1,500  
.....

**3 PICKLING LINES**

**3,500,000 T/Y  
MANUFACTURING CAPACITY**

**PRODUCT: PICKLED COIL**

**THICKNESS: 1.20/6.00 MM**

**WIDTH: 900/1500 MM**

**MAX WEIGHT: 35 TON**

**MAX OUTSIDE DIAMETER: 2150 MM**

**MAX INSIDE DIAMETER: 610 MM**

**PRODUCT TYPE: DRY OR OIL PICKLED,  
POTENTIALLY TRIMMED  
AND/OR SKINPASSED**

 **MARCEGAGLIA**  
CARBON STEEL

# MAIN MANUFACTURING STANDARDS

<b>EN 10025-2</b>	<b>Non-alloy structural steels</b>	S185, S235JR up to J2* S275JR up to J2*, S355JR up to J2*
<b>EN 10025-5</b>	<b>Structural steels with improved atmospheric corrosion resistance</b>	S355J0WP
<b>EN 10149-2</b>	<b>Hot-rolled high yield strength steels for cold forming</b>	S315MC up to S600MC (other grades upon request)
<b>EN 10111</b>	<b>Hot rolled low carbon steels for cold forming</b>	DD11 up to DD14 (other grades upon request)

*Upon request: supply of grades not included in the above mentioned standards or grades according to customers' standards, including major automotive manufacturers.*

*(\*) CE marking available*



**MARCEGAGLIA**  
CARBON STEEL

# COLD ROLLED COILS

8 COLD ROLLING LINES

2,500,000 T/Y  
MANUFACTURING CAPACITY

PRODUCT: COLD ROLLED COIL

THICKNESS: 0.25/3.0 MM

WIDTH: UP TO 1500 MM

MAX WEIGHT: 35 TON

MAX OUTSIDE DIAMETER: 2150 MM

MAX INSIDE DIAMETER: 508 OR 610 MM

PRODUCT TYPE: FULL HARD

.....  
Thickness min. - max. (mm) 0.25 - 3.00  
.....

.....  
Width min. - max. (mm) 1,000 - 1,530  
.....

 **MARCEGAGLIA**  
CARBON STEEL

# MAIN MANUFACTURING STANDARDS

EN 10130	Cold rolled low carbon steel flat products for cold forming	DC01, DC03, DC04, DC05, DC06
EN 10209	Cold rolled steel for vitreous enamelling	DC01EK, DC04EK
Marcegaglia standard	Cold rolled steel for deep drawing	DC06-S
Marcegaglia standard	Cold rolled detensioned steel for direct use	DC01-RTF
EN 10268	Cold rolled steel flat products with high yield strength for cold forming	HC260LA, HC300LA, HC340LA, HC380LA, HC420LA, HC180Y, HC220Y, HC260Y



**MARCEGAGLIA**  
CARBON STEEL

# MAIN MANUFACTURING STANDARDS

<b>EN 10341</b>	Cold rolled electrical non-alloy and alloy steel sheet and strip delivered in the semi-processed state	M660-50K, M890-50K, M800-65K M1000-65K, M1050-50K, M1200-65K, M340-50K, M390-50K, M390-65K, M450-50K, M450-65K, M520-65K, M560-50K, M630-65K
<b>Marcegaglia standard</b>	Cold rolled electrical non-alloy steel in the semi-processed	M310-50K
<b>Marcegaglia standard</b>	Cold rolled electrical non-alloy steel in the semi-processed	M1800-100K
<b>Marcegaglia standard STP 0032</b>	Cold rolled electrical steel for high performance shearing	DC01LC-P
<b>UNI 7958</b>	Structural steels	FE360



**MARCEGAGLIA**  
CARBON STEEL

# MAIN MANUFACTURING STANDARDS

**Marcegaglia standard  
STP 0044/0108**

**Steel for radiators**

RAD-1 (STP 0044)  
RAD-2 (STP 0108)

**Marcegaglia standard  
STP 0057/0069**

**Steel for the furniture industry**

DC01-TM (STP0057)  
DC35-TM (STP0069)

**Marcegaglia standard  
STP 0055/0107/0056**

**Steel for drum packaging**

FUS-M (STP 0055)  
FUS-M2 (STP 0107)  
FUS-F (STP 0056)

**Marcegaglia standard**

**Full Hard steels**

Full hard steel grades are  
available for specific  
galvanizing requirements

*Upon request: supply of grades not included in the above  
mentioned standards or grades according to  
customers' standards, including major automotive manufacturers.*



**MARCEGAGLIA**  
CARBON STEEL

# ANNEALING AND SKINPASS



The static annealing and skinpass lines linked to Marcegaglia cold rolling lines ensure the highest consistency level of mechanical and magnetic properties of rolled steels, also providing improved surface qualities, to meet the requirements of subsequent reworking.

**75 ANNEALING FURNACES**

**1,200,000 T/Y MANUFACTURING CAPACITY**

**PRODUCT: ANNEALED COIL**

**WIDTH: UP TO 1530 MM MAX WEIGHT: 35 T**

**MAX OUTSIDE DIAMETER: 2150 MM**

**6 SKINPASSING LINES**

**1,200,000 T/Y MANUFACTURING CAPACITY**

**PRODUCT: SKINPASSED COIL**

**WIDTH: UP TO 1530 MM MAX WEIGHT: 35 T**

**MAX OUTSIDE DIAMETER: 2150 MM**

**PRODUCT TYPE: COLD ROLLED**

# HOT DIP GALVANIZED COILS

5 HOT DIP GALVANIZING LINES

2,000,000 T/Y  
MANUFACTURING CAPACITY

PRODUCT: GALVANIZED COIL

THICKNESS: UP TO 4.00 MM

WIDTH: UP TO 1500 MM

MAX WEIGHT: 35 T

MAX OUTSIDE DIAMETER: 2150 MM

MAX INSIDE DIAMETER: 508 OR 610 MM

SURFACE FINISH: NORMAL, MINIMIZED,  
SKINPASSED SPANGLE

.....  
Thickness min. - max. (mm) 0.25 - 4.00  
.....

.....  
Width min. - max. (mm) 1,000 - 1,530  
.....

 **MARCEGAGLIA**  
CARBON STEEL

# MAIN MANUFACTURING STANDARDS

EN 10346	Steel flat products for cold forming	DX 51D, DX52D, DX53D, DX54D, DX56D, DX57D (other grades upon request)
EN 10346	Structural steels	S220GD, S250GD, S250GD-DM*, S280GD, S280GD-DM*, S320GD, S350GD, S390GD, S420GD, S450GD, S550GD
EN 10346	High yield strength steels for cold forming	HX260LAD, HX300LAD, HX340LAD, HX380LAD, HX420LAD, HX220YD, HX260YD, HX300YD
EN 10346	Dual phase steels	HCT450X, HCT490X, HCT590X, HCT780X, HCT980X (other grades upon request)
EN 10346	Bake Hardening Steel	HX220BD



**MARCEGAGLIA**  
CARBON STEEL

# MAIN MANUFACTURING STANDARDS

**EN 10346**      Bake Hardening Steel

HX220BD

.....

**ASTM A653**      Hot dip zinc-coated steel

*Upon request: supply of grades not included in the above mentioned standards or grades according to customers' standards, including major automotive manufacturers*

*(\*) According to Italian D.M. 14.01.2008 «Technical norms for construction»*

# PRE-PAINTED STEEL COILS

ACCORDING TO EN 10169

2 PRE-PAINTING LINES

570,000 T/Y  
MANUFACTURING CAPACITY

PRODUCT: PRE-PAINTED COIL

THICKNESS: 0.25/2.00 MM

WIDTH: UP TO 1500 MM

MAX WEIGHT: 35 T

MAX OUTSIDE DIAMETER: 2150 MM

RESIN RANGE:  
POLYESTER, MODIFIED  
POLYESTER/POLYURETHANE,  
POLYAMIDE, FLUORO-CARBON,  
HIGH FLEXIBILITY POLYESTER, VINYL,  
HIGH-THICKNESS PAINT SYSTEMS

Spessore min. - max. (mm) 0.25 - 2.00

Larghezza min. - max. (mm) 45 - 1,500

 **MARCEGAGLIA**  
CARBON STEEL

June 2020

# OUR STEEL BRINGS YOUR WORLD TO LIFE



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[www.marcegaglia.com](http://www.marcegaglia.com)

60<sup>th</sup>  
1959-2019  
MARCEGAGLIA