



# MARCEGAGLIA CARBON STEEL FLAT DIVISION

 **MARCEGAGLIA**  
CARBON STEEL

# MARCEGAGLIA GROUP

# WE ARE IN

MARCEGAGLIA IS ITALY'S LEADING INDUSTRIAL GROUP IN THE NATIONAL AND INTERNATIONAL STEEL SECTOR, WHICH HAS BEEN PROCESSING STEEL FOR OVER SIXTY YEARS.

THE COMPANY'S UNIQUE PRODUCTION AND BUSINESS MODEL IS A TRUE EXPRESSION OF ITALIAN FAMILY ENTREPRENEURSHIP, BY SUCCESSFULLY COMBINING ITS OWN OPERATIONAL FLEXIBILITY WITH STRONG MARKET PRESENCE TYPICAL OF MULTINATIONALS.

ESTABLISHED IN 1959 BY STENO MARCEGAGLIA IN THE TOWN OF GAZOLDO DEGLI IPPOLITI (MANTUA) IS TODAY A GROUP FULL RUN BY HIS CHILDREN ANTONIO AND EMMA MARCEGAGLIA.



# KEY FIGURES

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.

1<sup>st</sup> 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

7.5

BILLION EUROS IN TURNOVER

7,800

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

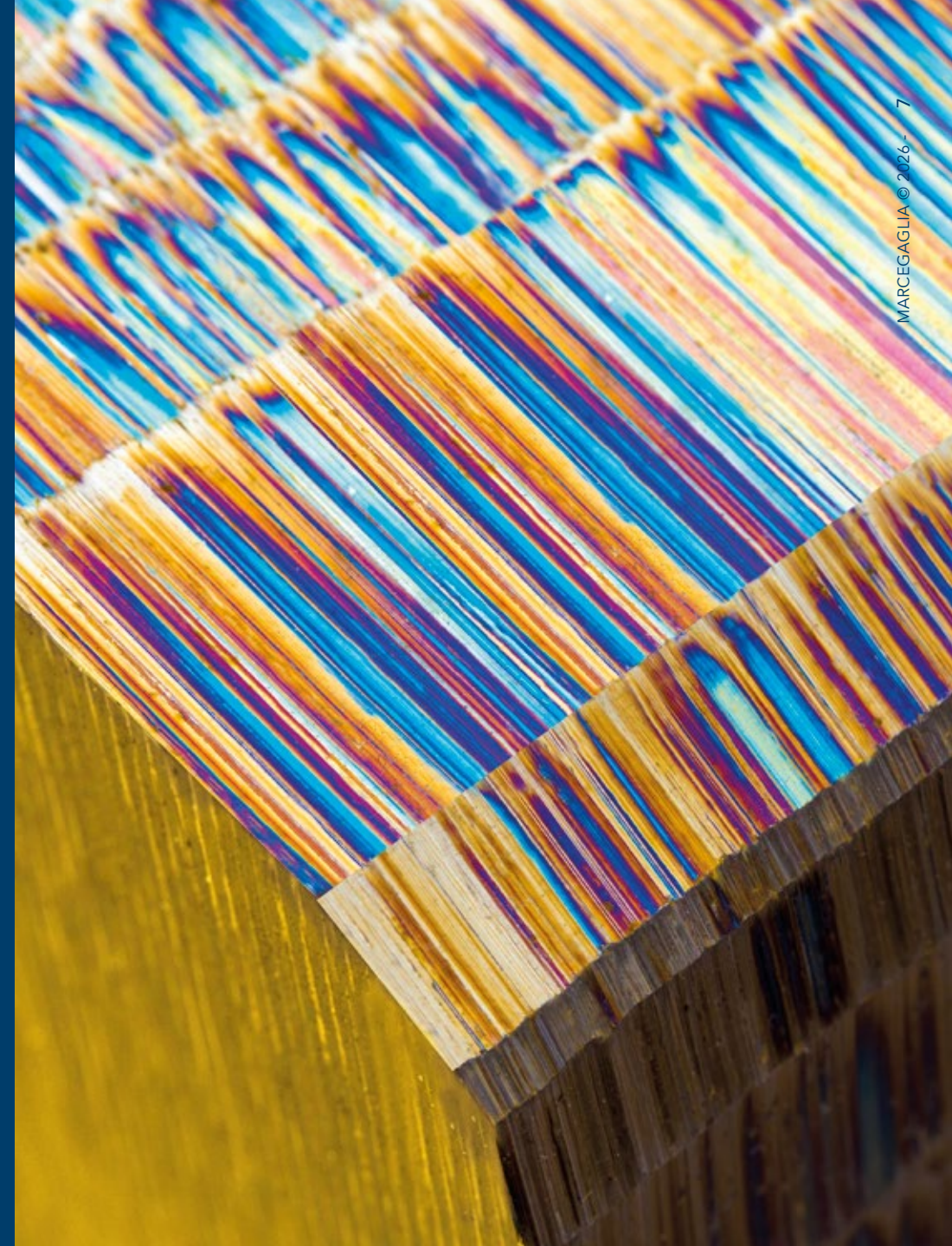
- SOLID GLOBAL PROCUREMENT NETWORK
- DIVERSIFIED RANGE OF PRODUCTS AND SERVICES
- WORLDWIDE DISTRIBUTION  
(CUSTOMER BASE, GEOGRAPHIC MARKETS, AREAS OF USE)
- OPERATIONAL EXCELLENCE AND LOGISTICS
- FLEXIBILITY / REACTIVITY / SPEEDY DECISION MAKING
- SERVICE ORIENTATION
- COMPETENCE / MOTIVATION / STABILITY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



# UNIQUE POSITIONING

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.

IN JUNE 2024 MARCEGAGLIA CONTINUED ITS STRATEGY IN UPSTREAM STEEL INTEGRATION WITH THE ACQUISITION OF A PLANT IN FOS-SUR-MER (FRANCE) WHICH, AFTER A SIGNIFICANT CAPACITY EXPANSION PROGRAM, WILL MEET APPROXIMATELY 30% OF THE GROUP'S NEEDS IN CARBON STEEL WITHIN ITS GREEN AND SUSTAINABLE PRODUCTION GOALS.



# STEEL, IN ALL SHAPES

TURNOVER (BILLION EUROS)	
CARBON STEEL	4.0
SPECIALTY STEEL	2.5
HEAVY PLATES	0.6
BUILDING	0.2
DIVERSIFIED	0.2
TOTAL	7.5

MILLION TONS PROCESSED	
CARBON STEEL	4.5
SPECIALTY STEEL	1.0
HEAVY PLATES	0.9
BUILDING	0.1
TOTAL	6.5

EMPLOYEES	
CARBON STEEL	3,700
SPECIALTY STEEL	2,000
HEAVY PLATES	200
BUILDING	300
DIVERSIFIED STEEL	850
DIVERSIFIED INVESTMENTS	750
TOTAL	7,800

## CARBON STEEL



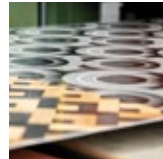
CARBON STEEL SEMIS



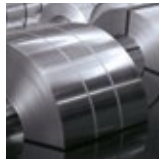
PRE-PAINTED COILS STRIPS AND SHEETS



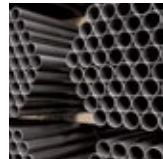
CARBON STEEL LARGE-DIAMETER ROUND BARS



CROMATICA



CARBON STEEL COILS



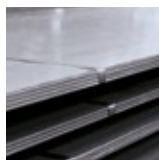
CARBON STEEL WELDED TUBES



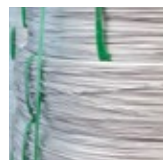
CARBON STEEL STRIPS



COLD-DRAWN WELDED TUBES



CARBON STEEL SHEETS



REFRIGERATION TUBES AND HOME APPLIANCES PRODUCTS

## BUILDING



SCAFFOLDING EQUIPMENT



SAFETY BARRIERS

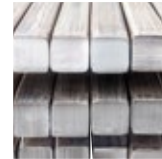


INSULATED ROOFING AND WALL PANELS



INSULATED PANELS FOR SECTIONAL DOORS

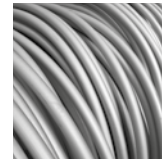
## SPECIALTY STEEL



STAINLESS STEEL SEMIS



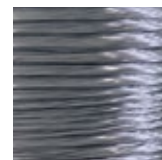
SPECIALTY CARBON HEAVY BARS  
WIRE RODS  
DRAWN WIRES



STAINLESS STEEL WIRE RODS



STAINLESS STEEL HEAVY BARS AND COLD-DRAWN BARS  
STAINLESS STEEL FLAT BARS



STAINLESS STEEL DRAWN WIRES



STAINLESS STEEL COILS



STAINLESS STEEL STRIPS



STAINLESS STEEL SHEETS



STAINLESS STEEL WELDED TUBES



CARBON STEEL COLD-DRAWN BARS

## HEAVY PLATES



HEAVY PLATES

# WE ARE INTERNATIONAL



■ PLANT  
□ SALES OFFICE

■ MARCEGAGLIA CARBON STEEL  
■ MARCEGAGLIA SPECIALTIES  
■ MARCEGAGLIA PLATES  
■ MARCEGAGLIA BUILDTECH

DUDLEY (UK)  
OLDBURY (UK)

SHEFFIELD (UK)

FAGERSTA (SE)

RIGA (LV)

VLADIMIR (RU)

DÜSSELDORF (DE)

PRASZKA (PL)

KLUCZBORK (PL)

LUXEMBOURG (LU)

LYON (FR)

it

CLUJ (RO)

BARCELONA (ES)

FOS-SUR-MER (FR)

ISTANBUL (TR)

BIZERTE (TN)

RICHBURG (US)

QUERÉTARO (MX)

FUNZA (CO)

DOHA (QA)

BOLTIERE  
GORLA MINORE

CONTINO

LOMAGNA

SAN GIORGIO DI NOGARÒ

LAINATE

TEZZE SUL BRENTA

RIVOLI

GAZOLDO DEGLI IPPOLITI, HQ

DUSINO SAN MICHELE

RAVENNA

POZZOLO FORMIGARO

FORLÌ

MILANO

OSTERIA GRANDE

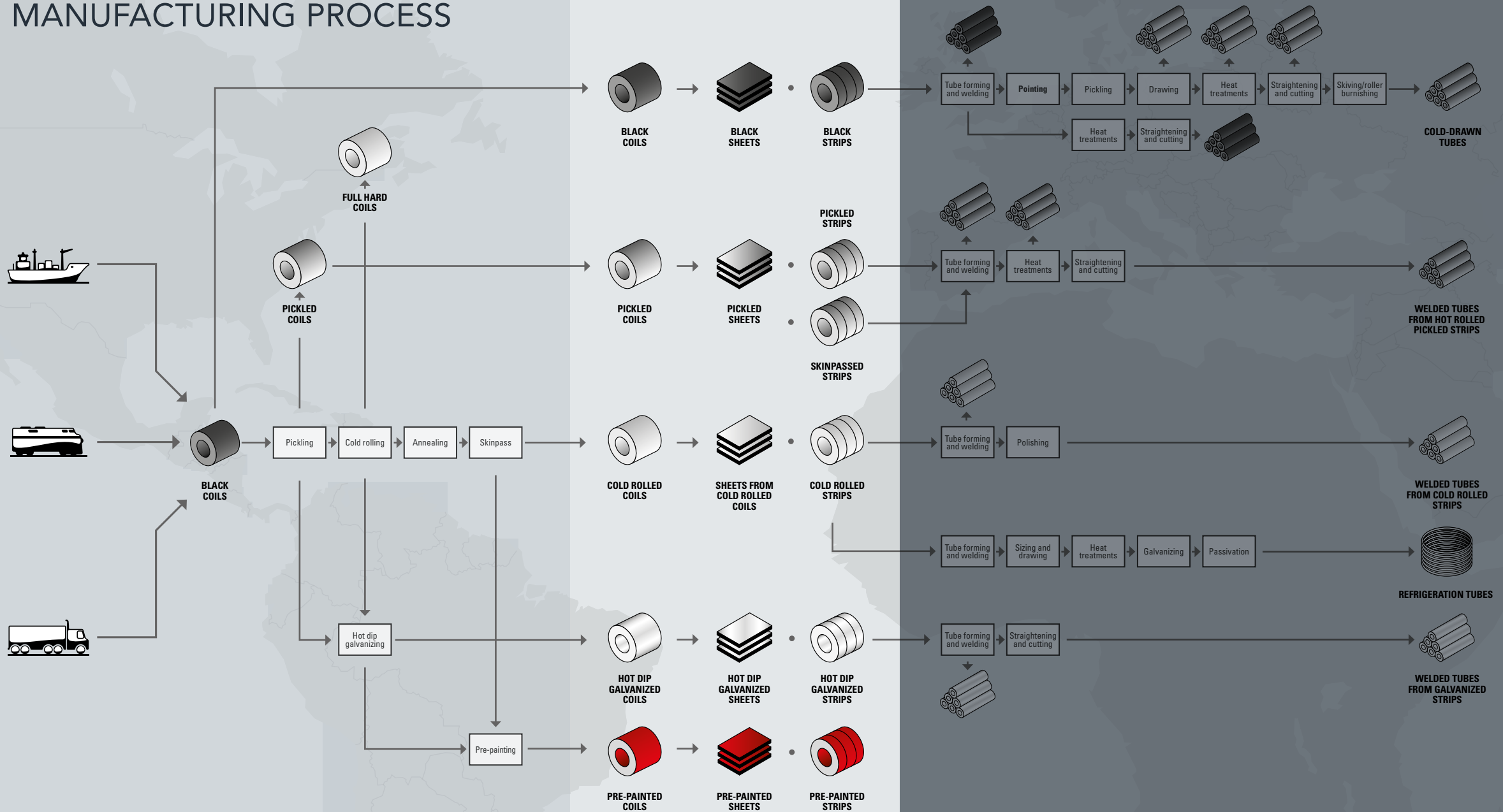
GRAFFIGNANA

CASALMAGGIORE

GARUVA (BR)

# MARCEGAGLIA CARBON STEEL FLAT DIVISION

# MANUFACTURING PROCESS



# MANUFACTURING PLANTS



BIZERTE, TUNISIA



GARUVA, BRAZIL



KLUCZBORK, POLAND



GAZOLDO DEGLI IPPOLITI  
HEADQUARTERS



RIGA, LATVIA



RAVENNA, ITALY

# 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.





**STEEL  
FOR ELECTRIC  
MOTORS**



**STEEL  
FOR PACKAGING**



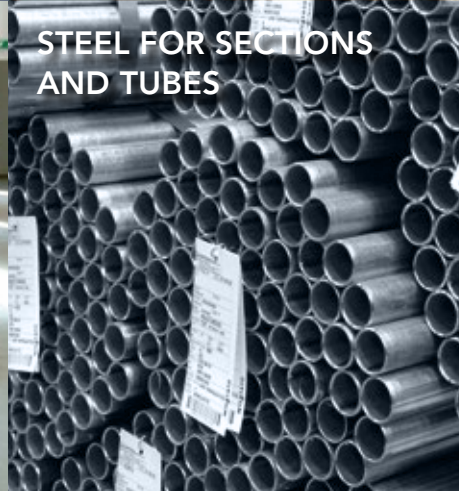
**STEEL FOR AGRICULTURAL  
EQUIPMENT**



**STEEL FOR  
AUTOMOTIVE  
APPLICATIONS**



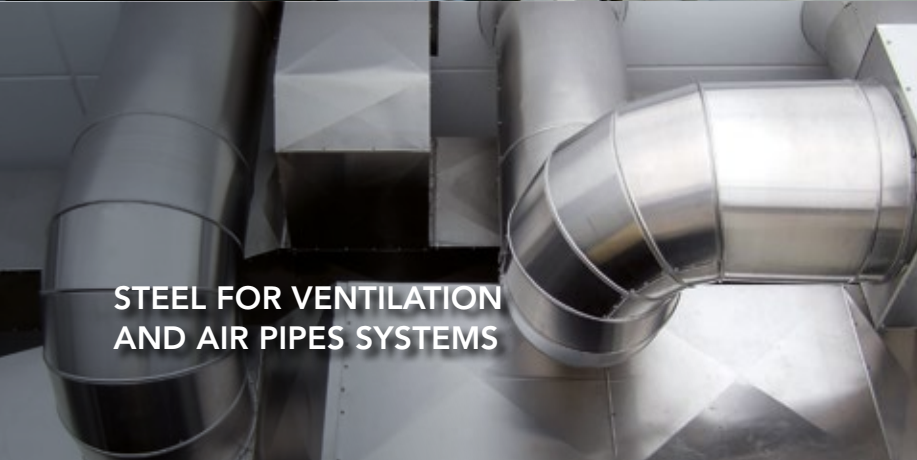
**STEEL FOR HOUSEHOLD APPLIANCES  
AND FURNITURE**



**STEEL FOR SECTIONS  
AND TUBES**



**STEEL FOR  
THE CONSTRUCTION  
INDUSTRY**



**STEEL FOR VENTILATION  
AND AIR PIPES SYSTEMS**

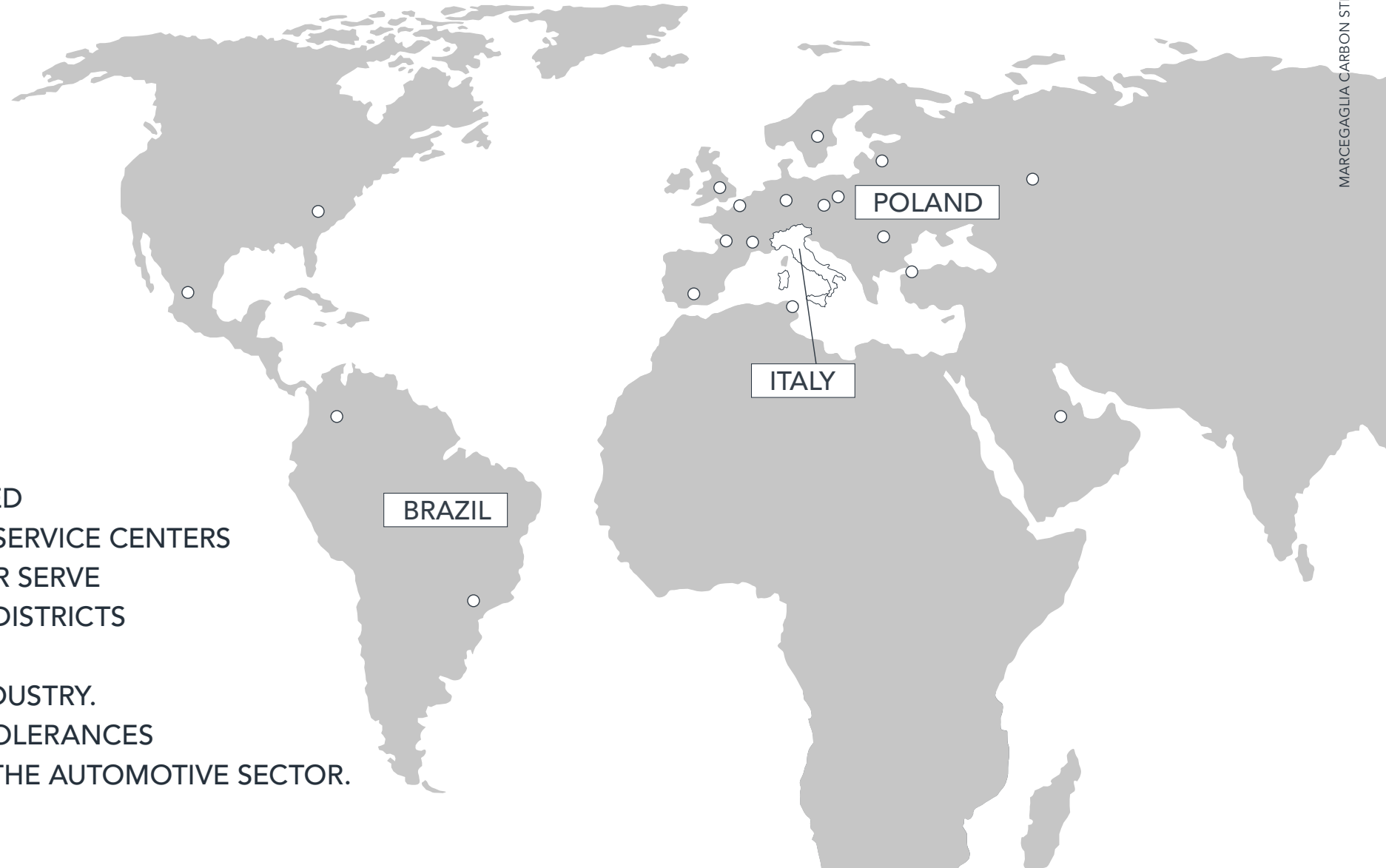


**STEEL FOR PRESSURE  
PURPOSES**

# 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.

# 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:** 1.20/6.00 mm

**WIDTH:** 900/1,500 mm

**MAX WEIGHT:** 35 T

**MAX OUTSIDE DIAMETER:** 2,150 mm

**MAX INSIDE DIAMETER:** 610 mm

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



3 PICKLING LINES

3,500,000 T/Y  
MANUFACTURING CAPACITY

# MAIN MANUFACTURING STANDARDS

<b>EN 10025-2</b>	NON-ALLOY STRUCTURAL STEELS	S185, S235JR up to J2*, S275JR up to J2*, S355JR up to K2*
<b>EN 10025-5</b>	STRUCTURAL STEELS WITH IMPROVED ATMOSPHERIC CORROSION RESISTANCE	S355J0WP
<b>EN 10149-2</b>	HOT-ROLLED HIGH YIELD STRENGTH STEELS FOR COLD FORMING	S315MC up to S700MC (OTHER GRADES UPON REQUEST)
<b>EN 10111</b>	HOT ROLLED LOW CARBON STEELS FOR COLD FORMING	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*

# COLD ROLLED COILS

**THICKNESS:** 0.23/6.00 mm

**WIDTH:** 900/1,530 mm

**MAX WEIGHT:** 35 T

**MAX OUTSIDE DIAMETER:** 2,150 mm

**MAX INSIDE DIAMETER:** 508 or 610 mm

**PRODUCT TYPE:** FULL HARD

3 COLD ROLLING MILLS  
2,500,000 T/Y  
MANUFACTURING CAPACITY

# MAIN MANUFACTURING STANDARDS

<b>EN 10130</b>	COLD ROLLED LOW CARBON STEEL FLAT PRODUCTS FOR COLD FORMING	DC01, DC03, DC04, DC05, DC06
<b>EN 10209</b>	COLD ROLLED STEEL FOR VITREOUS ENAMELLING	DC01EK, DC04EK
<b>Marcegaglia standard</b>	COLD ROLLED STEEL FOR DEEP DRAWING	DC06-S
<b>Marcegaglia standard</b>	COLD ROLLED DETENSIONED STEEL FOR DIRECT USE	DC01-RTF
<b>EN 10268</b>	COLD ROLLED STEEL FLAT PRODUCTS WITH HIGH YIELD STRENGTH FOR COLD FORMING	HC260LA, HC300LA, HC340LA, HC380LA, HC420LA, HC180Y, HC220Y, HC260Y

# 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</b>	COLD ROLLED ELECTRICAL STEEL FOR HIGH PERFORMANCE SHEARING	DC01LC-P (STP 0032)
<b>UNI 7958</b>	STRUCTURAL STEELS	FE360

# MAIN MANUFACTURING STANDARDS

**Marcegaglia  
standard**

STEEL FOR RADIATORS

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

**Marcegaglia  
standard**

STEEL FOR THE FURNITURE INDUSTRY

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

**Marcegaglia  
standard**

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

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# 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.

**WIDTH:** 900/1,530 mm

**MAX WEIGHT:** 35 T

**MAX OUTSIDE DIAMETER:** 2,150 mm

**PRODUCT TYPE:** COLD ROLLED



**32** ANNEALING FURNACES

**6** SKINPASSING LINES

**750,000** T/Y  
MANUFACTURING CAPACITY

# HOT DIP GALVANIZED COILS

**THICKNESS:** 0.25/4.00 mm

**WIDTH:** 900/1,530 mm

**MAX WEIGHT:** 35 T

**MAX OUTSIDE DIAMETER:** 2,150 mm

**SURFACE FINISH:** NORMAL, MINIMIZED, SKINPASSED SPANGLE

**4** 4 LINES  
(INCLUDING 1 GALVA-PAINTING)

**2,000,000** T/Y  
MANUFACTURING CAPACITY

# MAIN MANUFACTURING STANDARDS

<b>EN 10346</b>	STEEL FLAT PRODUCTS FOR COLD FORMING	DX 51D, DX52D, DX53D, DX54D, DX56D, DX57D (OTHER GRADES UPON REQUEST)
<b>EN 10346</b>	STRUCTURAL STEELS	S220GD, S250GD, S250GD-DM*, S280GD, S280GD-DM*, S320GD, S350GD, S350GD-DM*, S390GD, S420GD, S450GD, S550GD
<b>EN 10346</b>	HIGH YIELD STRENGTH STEELS FOR COLD FORMING	HX260LAD, HX300LAD, HX340LAD, HX380LAD, HX420LAD, HX220YD, HX260YD, HX300YD
<b>EN 10346</b>	DUAL PHASE STEELS	HCT450X, HCT490X, HCT590X, HCT780X (OTHER GRADES UPON REQUEST)
<b>EN 10346</b>	BAKE HARDENING STEEL	HX220BD
<b>ASTM A653</b>	HOT DIP ZINC-COATED STEEL	

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*(\*) According to Italian D.M. 17.01.2018 «Technical norms for construction»*

# STRIPS PICKLED, COLD ROLLED, GALVANIZED

HOT ROLLED, COLD ROLLED AND GALVANIZED STEEL STRIPS BY MARCEGAGLIA CAN MATCH THE MOST DIVERSE REQUIREMENTS OF TARGET INDUSTRIES IN TERMS OF STEEL GRADES, WIDTH, THICKNESS, TOLERANCES AND SURFACE FINISH.

THE MANUFACTURING CAPACITY AND LOGISTIC FEATURES OF MARCEGAGLIA SERVICE CENTERS WORLDWIDE ALLOW MAXIMUM PRODUCTION FLEXIBILITY OF STEEL STRIP COLD ROLLING AND SLITTING.

**THICKNESS:** 0.20/16 mm

**MAX. WIDTH:** 2,000 mm

**PRODUCT TYPE:** PICKLED, COLD ROLLED, HOT DIP GALVANIZED



**1,300,000 T/Y**  
**MANUFACTURING CAPACITY**



STEEL FOR  
AUTOMOTIVE  
APPLICATIONS



STEEL FOR  
OTHER  
INDUSTRIAL  
APPLICATIONS



STEEL FOR RADIATORS


# TYPICAL APPLICATIONS

A HIGHLY-CUSTOMIZED RANGE OF STEELS IS ENGINEERED ACCORDING TO AUTOMOTIVE MANUFACTURING STANDARDS, INCLUDING GALVANIZED OR COLD ROLLED HIGH STRENGTH LOW ALLOY MATERIALS AND HIGH CARBON ALLOYS.

MARCEGAGLIA STEEL STRIP SPECIALTIES ENCOMPASS, IN ADDITION TO DEEP DRAWING GRADES, SEMI-PROCESSED MAGNETIC STEELS AND EXTRA-SMOOTH SURFACE GALVANIZED MATERIAL FOR SEVERAL SPECIFIC INDUSTRIAL USES, INCLUDING NOW FINE BLANKING.



STEEL FOR SHELVING  
AND FURNITURE



STEEL FOR ELECTRICAL  
CONTROL BOARDS

STEEL FOR LAMINATION

STEEL FOR FINE BLANKING



STEEL FOR HOUSEHOLD  
APPLIANCES

# PICKLED STRIPS, SINGLE PASS STRIPS

THICKNESS	MIN. - MAX. (mm)	0.29 - 16.00
WIDTH	MAX. (mm)	2,000



SPECIAL  
TOLERANCES  
UPON  
REQUEST



CUSTOM

# MAIN MANUFACTURING STANDARDS

<b>EN 10025-2</b>	NON-ALLOY STRUCTURAL STEELS	S185, S235JR up to J2 (*), S275JR up to J2 (*), S355JR up to K2 (*)
<b>EN 10149-2</b>	HOT-ROLLED HIGH YIELD STRENGTH STEELS FOR COLD FORMING	S315MC up to S700MC (OTHER GRADES UPON REQUEST)
<b>EN 10149-2</b>	HOT-ROLLED HIGH YIELD STRENGTH STEELS FOR COLD FORMING WITH SINGLE PASS COLD ROLLING FOR IMPROVED TOLERANCES	S355MC up to S700MC (OTHER GRADES UPON REQUEST)
<b>EN 10111</b>	HOT ROLLED LOW CARBON STEELS FOR COLD FORMING	DD11 up to DD14 (OTHER GRADES UPON REQUEST)

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*(\*) CE marking available*

# COLD ROLLED STRIPS



.....  
THICKNESS    MIN. - MAX. (mm)    0.29 - 16.00  
.....

WIDTH            MAX. (mm)            2,000  
.....



# MAIN MANUFACTURING STANDARDS

<b>EN 10139</b>	COLD ROLLED UNCOATED MILD STEEL NARROW STRIP FOR COLD FORMING	DC01 LC/C290÷690, DC03 LC/C290÷590, DC04 LC/C290÷590 DC05LC, DC06LC
<b>EN 10341</b>	COLD ROLLED ELECTRICAL NON-ALLOY AND ALLOY STEEL SHEET AND STRIP DELIVERED IN THE SEMI-PROCESSED STATE	M340-50K, M390-50K, M450-50K, M560-50K, M660-50K, M890-50K, M1050-50K, M390-65K, M450-65K, M520-65K, M630-65K, M800-65K, M1000-65K, M1200-65K
<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>EN 10268</b>	COLD ROLLED STEEL FLAT PRODUCTS WITH HIGH YIELD STRENGTH FOR COLD FORMING	HC220P, HC260P, HC260LA, HC300LA, HC340LA, HC380LA, HC420LA, H500LA-MM, HC180YD, HC220YD, HC260YD

# MAIN MANUFACTURING STANDARDS

<b>EN 10132</b>	CASE HARDENING STEEL (COLD ROLLED NARROW STEEL STRIP FOR HEAT TREATMENT)	C10E, C15E, 16MnCr5, 17Cr3
<b>EN 10132</b>	STEELS FOR QUENCHING AND TEMPERING (COLD ROLLED NARROW STEEL STRIP FOR HEAT TREATMENT)	C22E, C30E, C35E, C40E, C45E, C50E, C55E, C60E, 25Mn4, 25CrMo4, 34CrMo4, 42CrMo4
<b>EN 10132</b>	SPRING STEEL AND OTHER APPLICATIONS (COLD ROLLED NARROW STEEL STRIP FOR HEAT TREATMENT)	C55S, C60S, C67S, C75S, C85S, C90S, C100S, C125S, 48Si7, 56Si7, 51CrV4, 80CrV2, 75Ni8, 125Cr2, 102Cr6, 58CrV4
<b>EN 10130</b>	COLD ROLLED LOW CARBON STEEL FLAT PRODUCTS FOR COLD FORMING	DC01, DC03, DC04, DC05, DC06
<b>EN 10209</b>	COLD ROLLED STEEL FOR VITREOUS ENAMELLING	DC01EK, DC04EK
<b>Marcegaglia standard</b>	COLD ROLLED STEEL FOR DEEP DRAWING	DC06-S

# MAIN MANUFACTURING STANDARDS

**Marcegaglia  
standard**

COLD ROLLED DETENSIONED STEEL  
FOR DIRECT USE

DC01-RTF

**Marcegaglia  
standard  
STP 0032**

COLD ROLLED ELECTRICAL STEEL  
FOR HIGH PERFORMANCE SHEARING

DC01LC-P

**UNI 7958**

STRUCTURAL STEELS

FE360

**Marcegaglia  
standard  
STP 0044**

STEEL FOR RADIATORS

RAD-1

**Marcegaglia  
standard**

FULL HARD STEEL

FULL HARD STEEL GRADES  
ARE AVAILABLE FOR SPECIFIC  
GALVANIZING REQUIREMENTS

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mentioned standards or grades according to customers' standards,  
including major automotive manufacturers.*

# HOT DIP GALVANIZED STRIPS



THICKNESS	MIN. - MAX. (mm)	0.25 - 4
WIDTH	MAX. (mm)	2,000

SPECIAL  
TOLERANCES  
UPON  
REQUEST



CUSTOM

# MAIN MANUFACTURING STANDARDS

<b>EN 10346</b>	STEEL FLAT PRODUCTS FOR COLD FORMING	DX 51D, DX52D, DX53D, DX54D, DX56D, DX57D (OTHER GRADES UPON REQUEST)
<b>EN 10346</b>	STRUCTURAL STEELS	S220GD, S250GD, S250GD-DM*, S280GD, S280GD-DM*, S320GD, S350GD, S350GD- DM*, S390GD, S420GD, S450GD, S550GD
<b>EN 10346</b>	HIGH YIELD STRENGTH STEELS FOR COLD FORMING	HX260LAD, HX300LAD, HX340LAD, HX380LAD, HX420LAD, HX220YD, HX260YD, HX300YD
<b>EN 10346</b>	DUAL PHASE STEELS	HCT450X, HCT490X, HCT590X, HCT780X, HCT980X (OTHER GRADES UPON REQUEST)
<b>EN 10346</b>	BAKE-HARDENING	HX220BD
<b>ASTM A653</b>	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. 17.01.2018 «Technical norms for construction»*

# OSCILLATED WOUND COILS

.....  
THICKNESS MIN. - MAX. (mm) 1.2 - 6  
.....

WIDTH MAX. (mm) 60  
.....



# MAIN MANUFACTURING STANDARDS

<b>EN 10139</b>	COLD ROLLED UNCOATED MILD STEEL NARROW STRIP FOR COLD FORMING	DC01 LC/C290÷690 DC03 LC/C290÷590 DC04 LC/C290÷590 DC05LC, DC06LC
<b>EN 10132</b>	CASE HARDENING STEEL (COLD ROLLED NARROW STEEL STRIP FOR HEAT TREATMENT)	C10E, C15E, 16MnCr5, 17Cr3
<b>EN 10132</b>	STEELS FOR QUENCHING AND TEMPERING (COLD ROLLED NARROW STEEL STRIP FOR HEAT TREATMENT)	C22E, C30E, C35E, C40E, C45E, C50E, C55E, C60E, 25Mn4, 25CrMo4, 34CrMo4, 42CrMo4
<b>EN 10132</b>	SPRING STEEL AND OTHER APPLICATIONS (COLD ROLLED NARROW STEEL STRIP FOR HEAT TREATMENT)	C55S, C60S, C67S, C75S, C85S, C90S, C100S, C125S, 48Si7, 56Si7, 51CrV4, 80CrV2, 75Ni8, 125Cr2, 102Cr6, 58CrV4

# STEEL SHEETS

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.

CONSTRUCTION EQUIPMENT, STREET FURNITURE, SHELVING SYSTEMS, HOUSEHOLD APPLIANCES, ENGINEERING AND AUTOMOTIVE ARE AMONG THE SECTORS OF APPLICATION FOR THE RANGE OF MARCEGAGLIA CARBON STEEL SHEETS.

**THICKNESS:** 0.25/20 mm

**MAX. WIDTH:** 2,000 mm

**PRODUCT TYPE:** BLACK, PICKLED, COLD ROLLED, HOT DIP GALVANIZED, DIAMOND AND TEARDROP PATTERNED

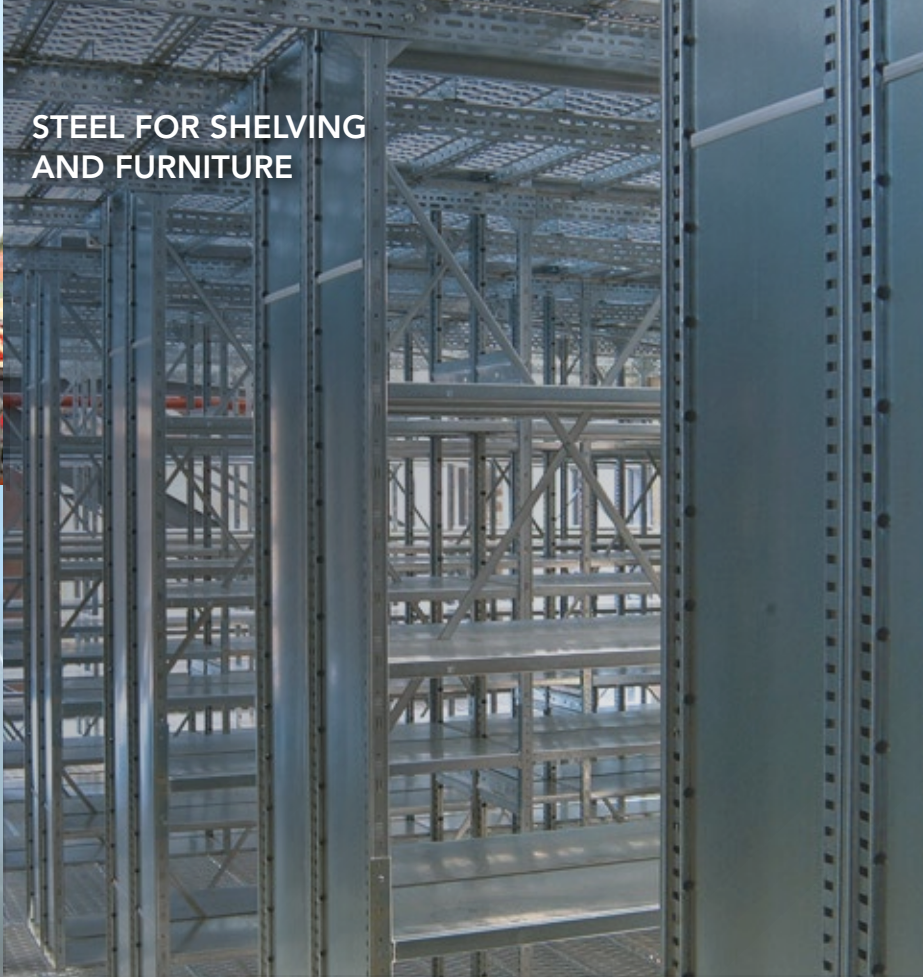


25 FLATTENING LINES

1,100,000 T/Y  
MANUFACTURING CAPACITY



**STEEL FOR  
MECHANICAL  
AND AUTOMOTIVE  
APPLICATIONS**



**STEEL FOR SHELVING  
AND FURNITURE**



**STEEL  
FOR CONSTRUCTION**

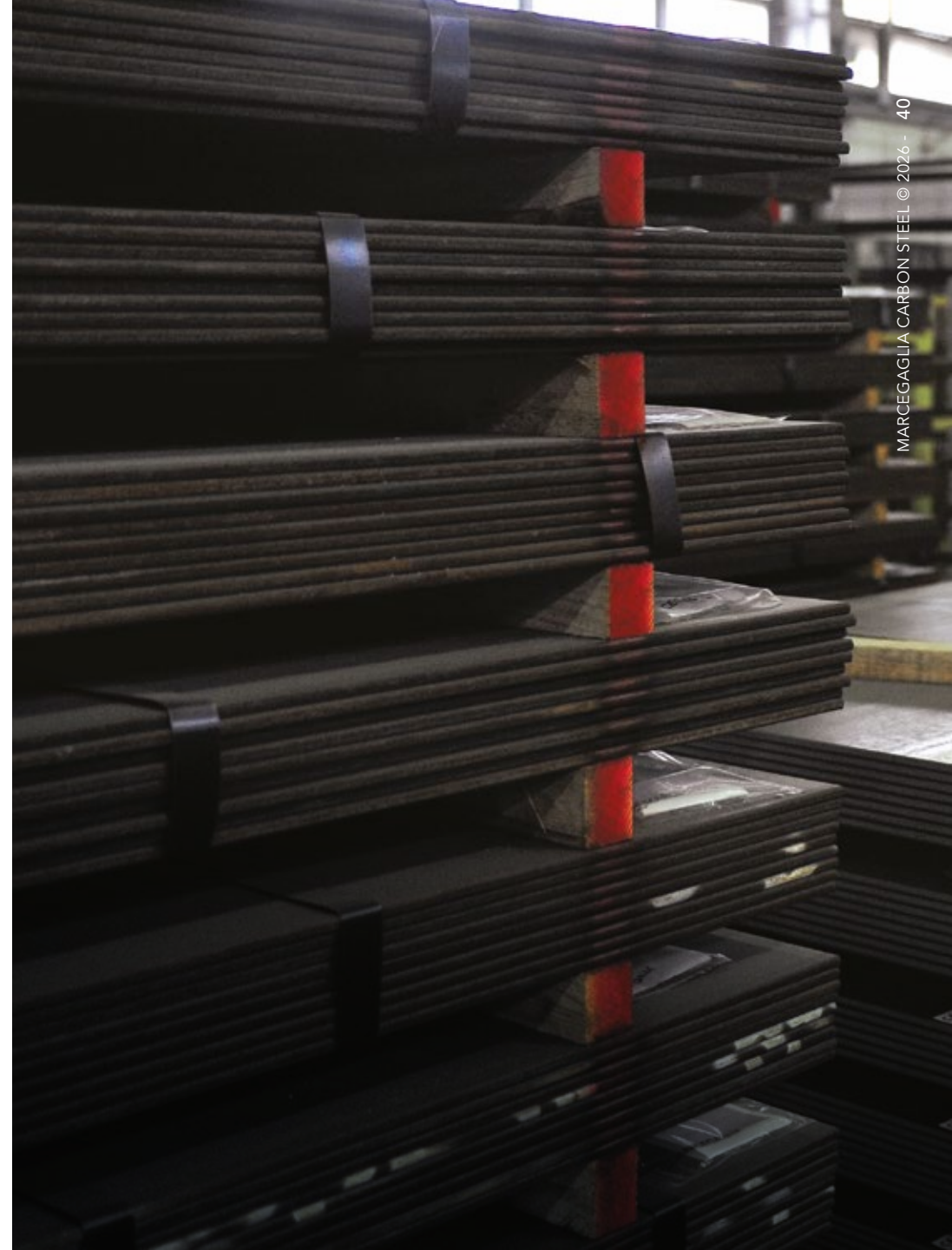


**STEEL FOR HOUSEHOLD  
APPLIANCES**

# TYPICAL APPLICATIONS

# BLACK STEEL SHEETS

THICKNESS	MIN. - MAX. (mm)	1.5 - 20
WIDTH	MIN. - MAX. (mm)	1,000 - 2,000
LENGTH	MIN. - MAX. (mm)	200 - 16,000



# MAIN MANUFACTURING STANDARDS

<b>EN 10025-2</b>	NON-ALLOY STRUCTURAL STEELS	S185, S235JR up to J2* S275JR up to J2*, S355JR up to K2*
<b>EN 10025-5</b>	STRUCTURAL STEELS WITH IMPROVED ATMOSPHERIC CORROSION RESISTANCE	S355J0WP, S355J0W
<b>EN 10149-2</b>	HOT-ROLLED HIGH YIELD STRENGTH STEELS FOR COLD FORMING	S315MC up to S700MC (OTHER GRADES UPON REQUEST)
<b>EN 10111</b>	HOT ROLLED LOW CARBON STEELS FOR COLD FORMING	DD11 up to DD14 (OTHER GRADES UPON REQUEST)
<b>EN 10028-3</b>	STEEL FOR PRESSURE PURPOSES	GRADES UPON REQUEST

(\*) CE marking available

# PICKLED STEEL SHEETS

THICKNESS	MIN. - MAX. (mm)	1.5 - 20
WIDTH	MIN. - MAX. (mm)	1,000 - 2,000
LENGTH	MIN. - MAX. (mm)	200 - 16,000



# MAIN MANUFACTURING STANDARDS

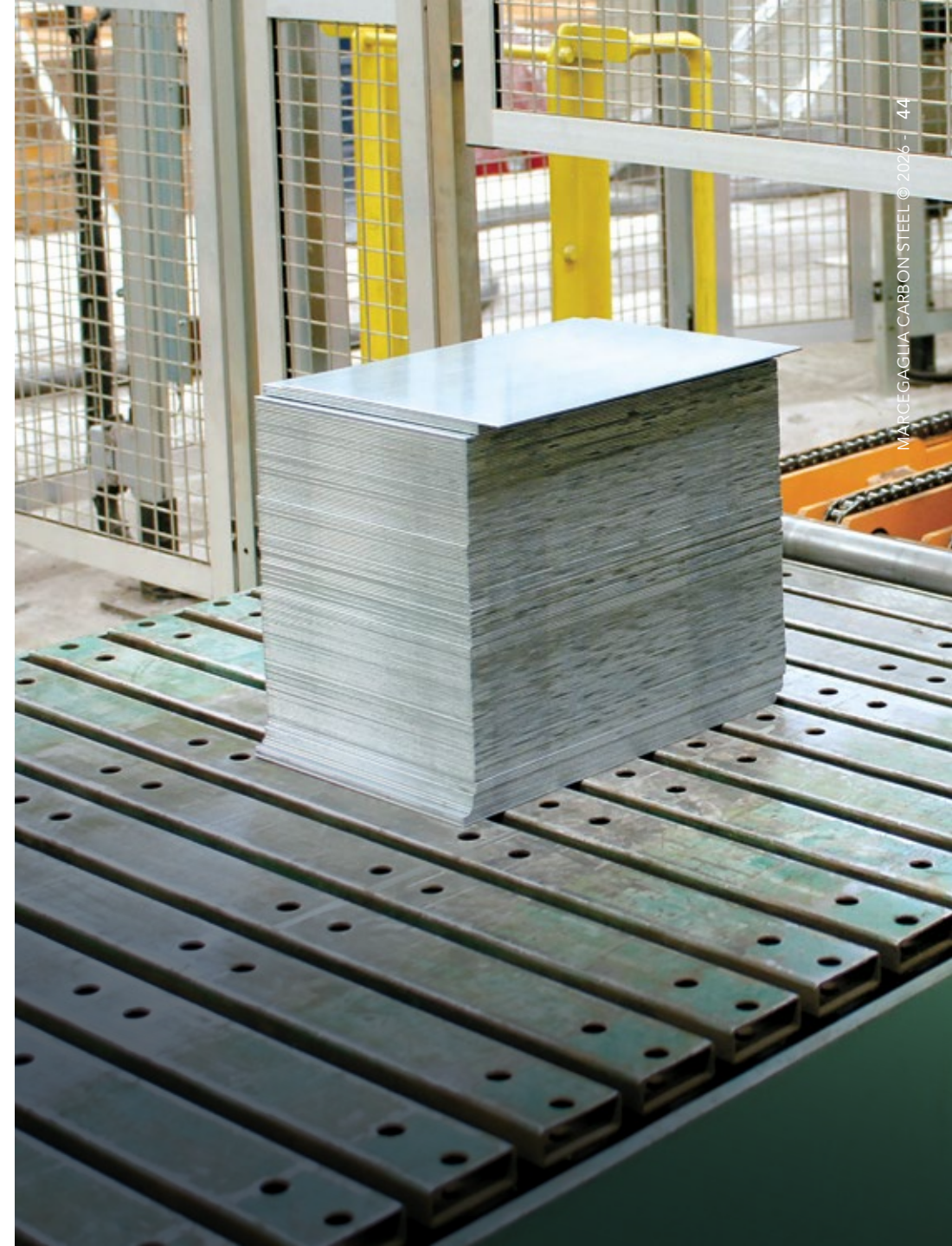
<b>EN 10025-2</b>	NON-ALLOY STRUCTURAL STEELS	S185, S235JR up to J2* S275JR up to J2*, S355JR up to K2*
<b>EN 10149-2</b>	HOT-ROLLED HIGH YIELD STRENGTH STEELS FOR COLD FORMING	S315MC up to S700MC (OTHER GRADES UPON REQUEST)
<b>EN 10111</b>	HOT ROLLED LOW CARBON STEELS FOR COLD FORMING	DD11 up to DD14 (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*

# STEEL SHEETS FROM COLD ROLLED COILS

THICKNESS	MIN. - MAX. (mm)	0.29 - 16.00
WIDTH	MIN. - MAX. (mm)	1,000 - 1,500
LENGTH	MIN. - MAX. (mm)	200 - 12,000



# MAIN MANUFACTURING STANDARDS

<b>EN 10139</b>	COLD ROLLED UNCOATED MILD STEEL NARROW STRIP FOR COLD FORMING	DC01 LC/C290÷690 DC03 LC/C290÷590 DC04 LC/C290÷590, DC05LC, DC06LC
<b>EN 10268</b>	COLD ROLLED STEEL FLAT PRODUCTS WITH HIGH YIELD STRENGTH FOR COLD FORMING	HC220P, HC260P, HC260LA, HC300LA, HC340LA, HC380LA, HC420LA
<b>EN 10130</b>	COLD ROLLED LOW CARBON STEEL FLAT PRODUCTS FOR COLD FORMING	DC01, DC03, DC04, DC05, DC06
<b>EN 10209</b>	COLD ROLLED STEEL FOR VITREOUS ENAMELLING	DC01EK, DC04EK
<b>Marcegaglia standard</b>	COLD ROLLED STEEL FOR DEEP DRAWING	DC06-S
<b>Marcegaglia standard</b>	COLD ROLLED DETENSIONED STEEL FOR DIRECT USE	DC01-RTF

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

# HOT DIP GALVANIZED STEEL SHEETS

THICKNESS	MIN. - MAX. (mm)	0.3 - 4
WIDTH	MIN. - MAX. (mm)	1,000 - 1,500
LENGTH	MIN. - MAX. (mm)	200 - 12,000



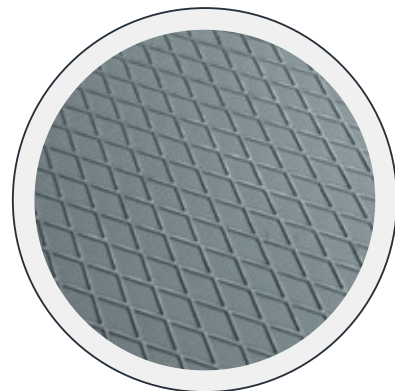
# MAIN MANUFACTURING STANDARDS

<b>EN 10346</b>	STEEL FLAT PRODUCTS FOR COLD FORMING	DX 51D, DX52D, DX53D, DX54D, DX56D, DX57D (OTHER GRADES UPON REQUEST)
<b>EN 10346</b>	STRUCTURAL STEELS	S220GD, S250GD, S250GD-DM*, S280GD, S280GD-DM*, S320GD, S350GD, S350GD-DM*, S390GD, S420GD, S450GD, S550GD
<b>EN 10346</b>	HIGH YIELD STRENGTH STEELS FOR COLD FORMING	HX260LAD, HX300LAD, HX340LAD, HX380LAD, HX420LAD, HX220YD, HX260YD, HX300YD
<b>EN 10346</b>	DUAL PHASE STEELS	HCT450X, HCT490X, HCT590X, HCT780X, HCT980X (OTHER GRADES UPON REQUEST)
<b>EN 10346</b>	BAKE HARDENING STEEL	HX220BD
<b>ASTM A653</b>	HOT DIP ZINC-COATED STEEL	

# DIAMOND AND TEARDROP PATTERNED STEEL SHEETS

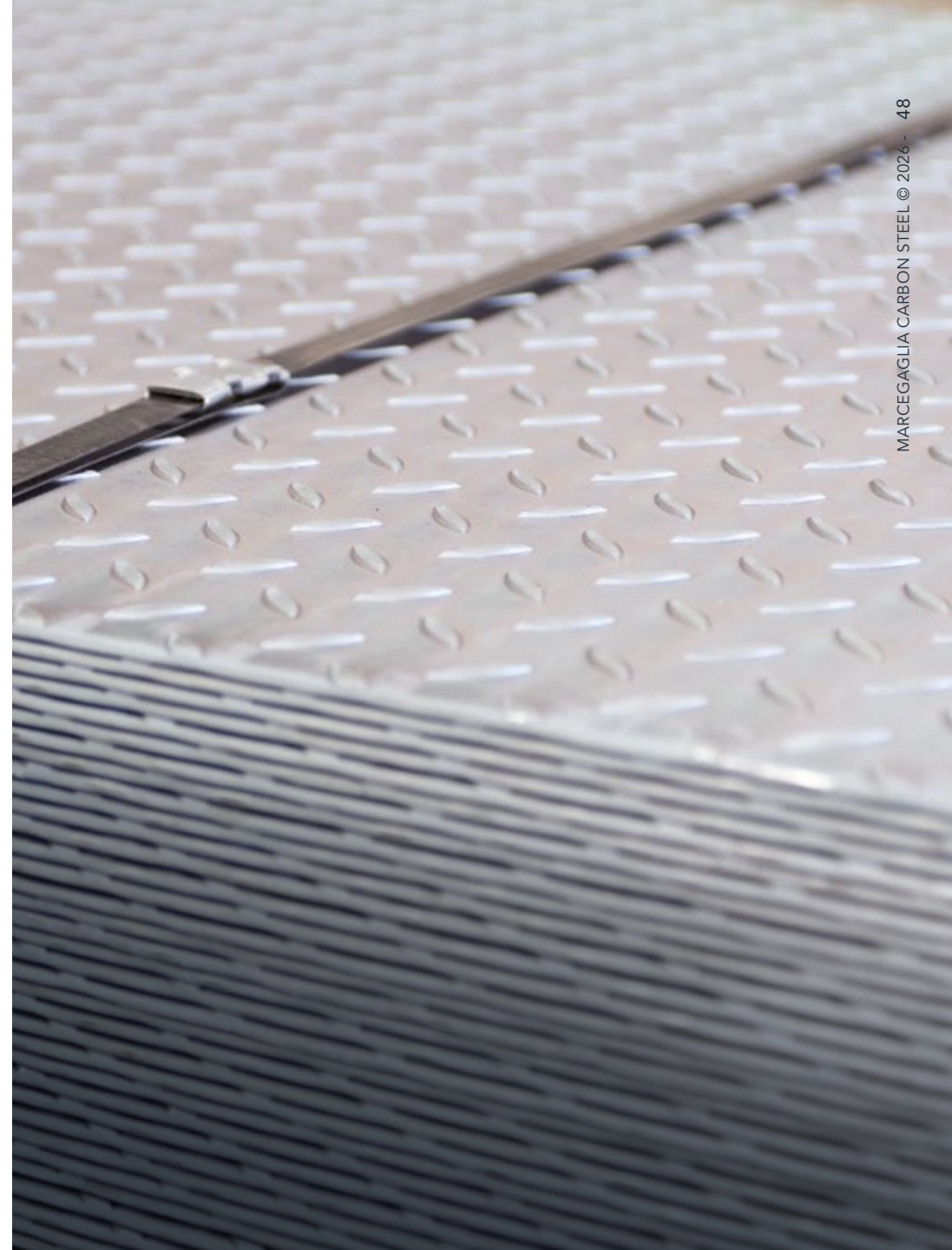
## DIAMOND PATTERNED STEEL SHEETS

THICKNESS	MIN. - MAX. (mm)	2 - 12
WIDTH	MIN. - MAX. (mm)	1,000 - 1,500
LENGTH	MIN. - MAX. (mm)	200 - 16,000



## TEARDROP PATTERNED STEEL SHEETS

THICKNESS	MIN. - MAX. (mm)	2 - 12
WIDTH	MIN. - MAX. (mm)	1,000 - 1,500
LENGTH	MIN. - MAX. (mm)	200 - 16,000



# LASER SHARP®

LASER SHARP® IS MARCEGAGLIA'S ANSWER TO NEXT-GENERATION LASER CUTTING REQUIREMENTS: A RANGE OF STRUCTURAL STEEL SHEETS FEATURING

- **PERFECT FLATNESS**
- **MINIMAL RESIDUAL STRESSES**
- **UNIFORMITY ACROSS THE ENTIRE SURFACE**

IS AVAILABLE:

- **IN HOT-ROLLED STEEL, BLACK OR PICKLED**
- **IN THICKNESSES FROM 3 TO 15 MM**
- **IN 1500 × 3000 MM SHEET FORMAT**
- **IN GRADES S235JR (240), S355MC (360), S420MC (420), S500MC (500), S650MC (650), S700MC (700)**

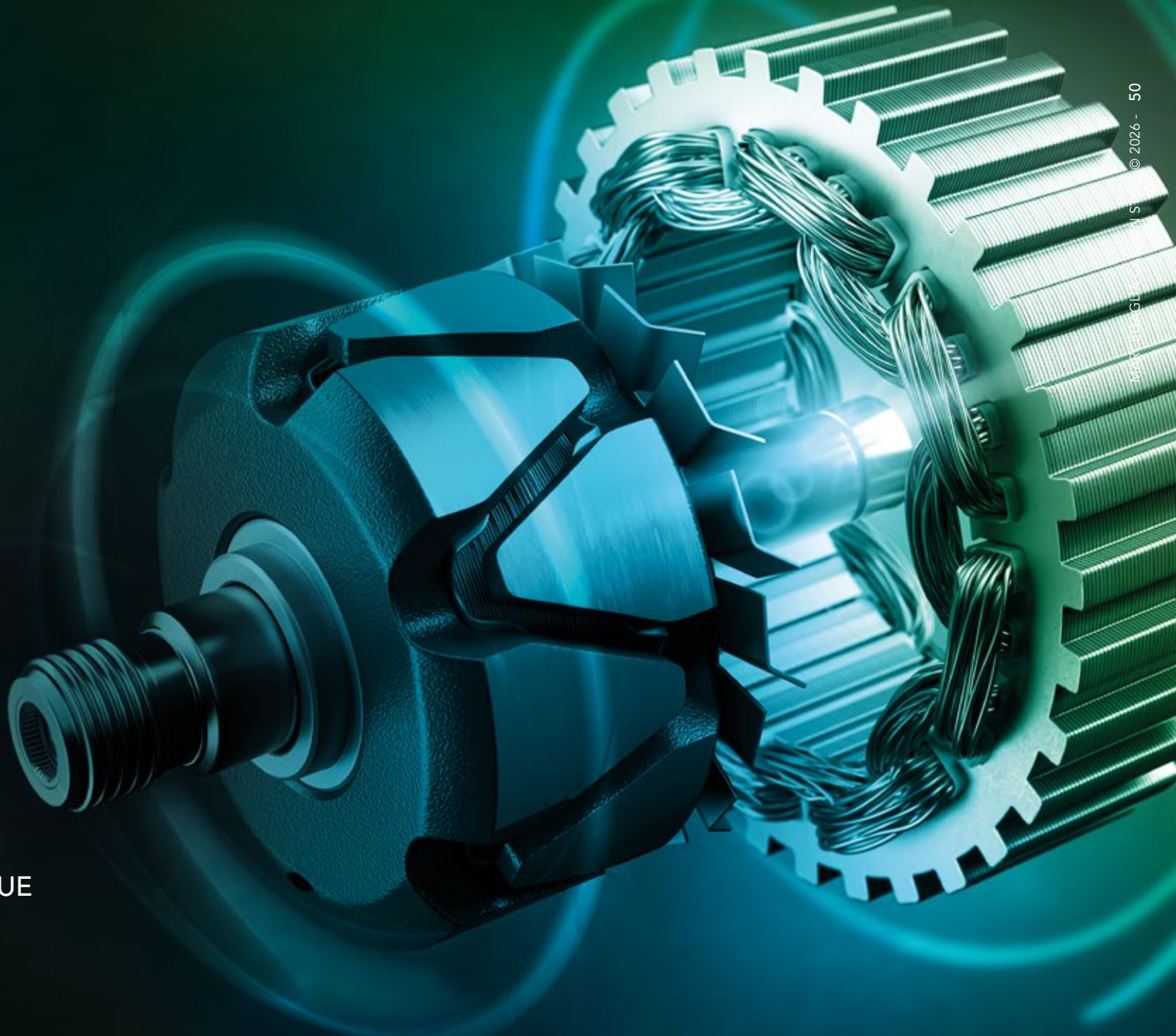


# NON-GRAIN ORIENTED ELECTRICAL STEEL



**LEVERAGING UNIQUE KNOW-HOW  
IN THE FIELD OF CARBON STEELS,  
MARCEGAGLIA HAS CREATED  
THE ADVANCED STEEL FOR  
SUCCESSFUL ELECTRICAL PERFORMANCE.**

**THE IDEAL SOLUTION FOR ELECTRIC MOTORS  
WITH ADVANCED PERFORMANCE AND A UNIQUE  
PRODUCT FOR COUNTLESS APPLICATIONS  
IN THE AUTOMOTIVE SECTOR**



**WE ARE IN**

 **MARCEGAGLIA**  
CARBON STEEL

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