

SHAPING STEEL

ACCELERATING PRODUCTION

MODERN STEEL SERVICE CENTER SOLUTIONS



CHY ÇELİK



FROM ROOTS TO THE FUTURE: ADDING **VALUE** TO STEEL

A LEGACY BUILT ON TRUST (SINCE 1980S)

The foundations of CHY Steel Service were laid in the 1980s in Karaköy Perşembe Pazarı, the heart of Turkey's trade. As part of the Özmetal Group, we carry over 40 years of experience from a humble trading start to a global vision. Our journey is defined by honest trade, customer focus, and an unwavering commitment to quality.

MODERN SOLUTIONS IN DILOVASI

Today, we have evolved from a trader to a strategic solution partner at our modern 5,000 m² facility in Dilovası. We don't just supply steel; we process it to fit your production needs perfectly.

Precision Slitting: High-tolerance processing for sensitive sectors like automotive.

Cut-to-Length: Perfectly flat sheets ready for construction and energy industries.

WHY CHY STEEL SERVICE?

Combining deep-rooted experience with advanced technology, we offer:

- **40+ Years of Expertise:** Industry know-how you can trust.
- **Advanced Technology:** Precision speed and efficiency.
- **Wide Product Range: CR, Galvanized, Painted, and Silicon Steel.**
- **Strategic Logistics:** Located in the heart of Turkish industry.





“

WE ARE NOT JUST SELLING
RAW MATERIALS; WE ARE
BUILDING THE FUTURE
WITH TRUST.

”

SERVICES

TAILORED
SOLUTIONS FOR
YOUR PRODUCTION
PROCESSES

WE PREPARE STEEL IN THE EXACT DIMENSIONS AND QUALITY
YOU NEED, READY TO ENTER YOUR PRODUCTION LINE.





WHY CHY SLITTING?

01 FLAWLESS PRECISION:

With tolerances as tight as ± 0.05 mm, our strips ensure smooth flow on your production line and prevent downtime.

02 SUPERIOR SURFACE QUALITY:

Advanced automated controls and precision blades ensure scratch-free surfaces and burr-free edges.

03 FLEXIBILITY & SPEED:

Extensive raw material stock and high-capacity lines allow us to meet urgent demands on time.

SERVICES PRECISION COIL SLITTING

PERFECT STRIPS CUSTOMIZED FOR YOUR PRODUCTION

We combine over 40 years of experience with modern technology to transform steel coils into precise strips. Our slitting process is not just cutting; it's a critical step that optimizes your efficiency, minimizes scrap rates, and ensures your final product quality. At CHY Steel, we treat every coil according to the unique DNA of your project.

TECHNICAL CAPABILITIES AND CAPACITY

TECHNICAL SPECIFICATION	VALUE / CAPABILITY
Raw Material Type	Cold Rolled (CR), Galvanized (GI), PPGI, HRP, Stainless Steel
Sheet Thickness	Min. 0.10 mm – Max. 3.00 mm
Input Coil Width	Max. 2.000 mm
Minimum Slitting Width	6 mm
Width Tolerance	± 0.05 mm (High Precision)
Input Coil Weight	Max. 30 Tons
Output Coil Weight	Max. 25 Tons
Line Speed	Max. 150 m/min
Output Coil Inner Dia.	\varnothing 508 mm, 400 mm - 300 mm - 200 mm
Input Coil Inner Dia.	\varnothing 600 mm, 508 mm - 400 mm
Surface Options	Standard, Satin/Brushed, Protective Film Coating

SERVICES CUT-TO-LENGTH

FROM COIL TO PERFECT SHEET

With over 40 years of experience, we transform steel coils into ready-to-use, stress-free flat sheets. Our advanced leveling units guarantee perfect flatness, allowing immediate use in your production line without additional processing.

TECHNICAL CAPABILITIES AND CAPACITY

TECHNICAL SPECIFICATION	VALUE / CAPABILITY
Sheet Thickness	0.20 mm – 3.00 mm
Input Coil Width	Max. 1200 mm
Cutting Width	Min. 300 mm – Max. 1100 mm
Cutting Length	Min. 300 mm – Max. 6000 mm
Input Coil Weight	Max. 15 tons
Length Tolerance	± 0.50 mm

Power and Precision Combined: Our Heavy Gauge Cut-to-Length Line

Optimized for projects requiring structural durability and high strength, this line produces reliable sheets for the most demanding conditions.

THE CHY DIFFERENCE

01 PERFECT FLATNESS

Advanced leveling systems eliminate waves and internal tension, ensuring smooth welding and assembly processes.

02 DIMENSIONAL ACCURACY

Servo-controlled feeding delivers precise lengths with minimum tolerances, reducing scrap rates to near zero.

03 SUPERIOR SURFACE QUALITY

Burr-free edges and scratch-free surfaces make our sheets ideal for visible parts in automotive and white goods sectors.

OUR PACKAGING STANDARDS

01 CORROSION PROTECTION:

We use advanced VCI (Volatile Corrosion Inhibitor) papers and protective films to prevent rust and moisture damage, ensuring safety even during long sea voyages.

02 PHYSICAL SHIELD:

Products are secured on robust wooden pallets with steel strapping and PVC films to prevent scratches, vibration, and impact damage during transport.

03 SMART LABELING:

Durable, clear labels containing all technical details (grade, size, batch no.) ensure total traceability and easy inventory management.

SERVICES PACKAGING AND LOGISTICS

QUALITY DELIVERED WITH CONFIDENCE

At CHY Steel, quality doesn't stop at production. We treat packaging and logistics as critical engineering steps, ensuring your material arrives in perfect condition—just as it left our line.

LOGISTICS: THE ART OF TIME AND TRUST MANAGEMENT

Strategic Location Advantage:

Our facility in the Dilovası Organized Industrial Zone offers us unparalleled logistical flexibility thanks to its proximity to Turkey's most important ports (Gebze, Derince, Ambarlı) and main highway arteries (TEM, E-5). This location provides you with time and cost advantages for both domestic and international shipments.

Wide and Reliable Logistics Network:

We provide service not only with our own vehicles but also with our trusted logistics partners specialized in heavy industry transportation, with whom we have worked for years. All vehicles are equipped according to load safety standards and are regularly inspected.

Flexible Shipment Planning:

We work with you to create the delivery schedule that best suits your production plan. We help you reduce your inventory costs and optimize your production flow by adhering to "Just-in-Time" delivery requirements.

Transparent Process and Continuous Information:

You can track the entire process from the moment your order leaves our facility until it reaches your factory, and you are proactively informed about the shipment status. Even in the event of a potential delay, our solution-oriented team contacts you immediately.

SERVICES STRATEGIC SOURCING

THE SOURCE OF QUALITY: STRATEGIC SOURCING POWER

We secure the DNA of your product by sourcing raw materials only from the world's most reliable producers. For CHY Steel, procurement is not just purchasing; it is the strategic foundation of your quality.

OUR 4-PILLAR SOURCING STRATEGY

01 GLOBAL NETWORK:

Access to top-tier global producers backed by over 40 years of experience.

02 STRICT AUDITS:

Every supplier is rigorously vetted, and every coil is tested before entering our facility.

03 SMART PROCUREMENT:

Proactive market analysis allows us to minimize risks and optimize costs for you.

04 FULL TRACEABILITY:

Complete transparency regarding origin and specifications, from the steel mill to your production line.

YOUR COMPETITIVE ADVANTAGE

BY WORKING WITH CHY, YOU GAIN:

UNINTERRUPTED PRODUCTION:

Reliable supply regardless of market fluctuations.

CONSISTENT QUALITY

The same high standard in every single order.

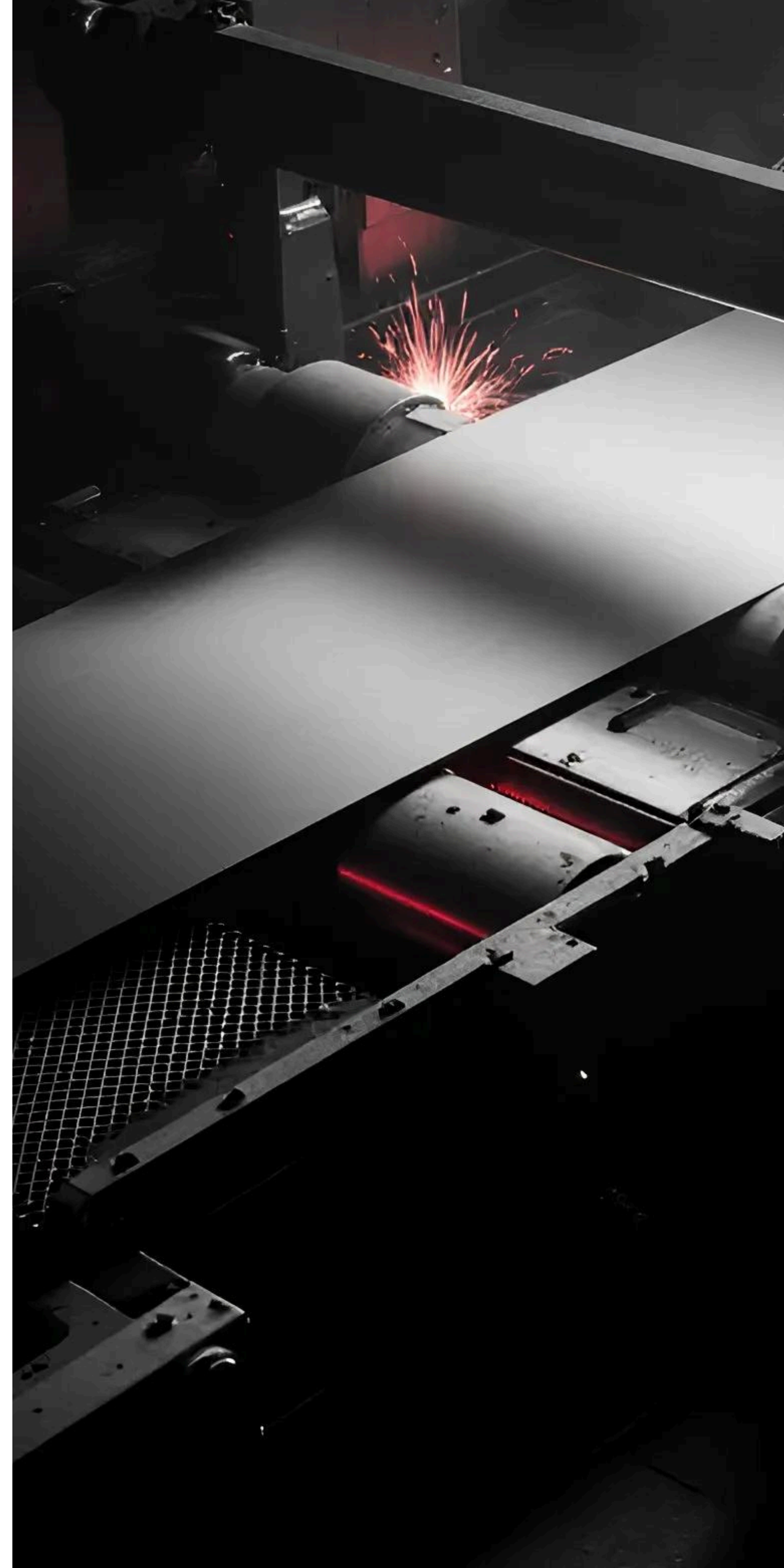
OPTIMIZED COSTS:

Competitive pricing through our strong purchasing power.

PRODUCTS

WE MAINTAIN HIGH STANDARDS IN OUR PRODUCTS AND SERVICES TO CONSISTENTLY DELIVER RELIABLE RESULTS.

WE OFFER HIGH-QUALITY STEEL SHEET AND PROCESSED PRODUCT SOLUTIONS TAILORED TO THE NEEDS OF DIFFERENT SECTORS. OUR WIDE PRODUCT RANGE ADDS VALUE TO YOUR PRODUCTION PROCESSES WITH GUARANTEED DURABILITY, PRECISION, AND LONGEVITY.



PRODUCTS

HOT ROLLED STEEL

THE STRONG AND FLEXIBLE FOUNDATION OF INDUSTRY

Hot Rolled Steel forms the backbone of the industry due to its strength and cost-effectiveness. At CHY Steel, we supply HRP (Pickled & Oiled) material, which undergoes a critical cleaning process to remove "mill scale" and is oiled to prevent corrosion. This results in a clean, matte surface ready for painting, coating, and direct processing.

KEY APPLICATION AREAS

Automotive: Chassis parts, wheels, and structural reinforcements.

Construction: Steel structures, profiles, and support systems.

Machinery & Energy: Industrial machinery bodies, pipelines, and pressure vessels (LPG cylinders).

Shipbuilding: Internal structures requiring high toughness.

HOW DOES HOT ROLLED STEEL GAIN VALUE AT CHY STEEL SERVICE?

We don't just supply HRP. In our modern facilities, we prepare this powerful material specifically for your project:

Cut-to-Length: We convert HRP coils into sheets of perfect flatness according to your demands.

Precision Slitting: We transform wide coils into narrow coils of precise widths that you can use directly on your production line. These services provide you with significant advantages in time, labor, and scrap costs.

WHY CHOOSE HRP?

01 COST-EFFECTIVE

More economical than cold rolled steel.

02 HIGH FORMABILITY:

Excellent flexibility allows for easy shaping.

03 SUPERIOR WELDABILITY:

Ideal chemical composition for structural welding.

TECHNICAL SPECIFICATIONS

At CHY Steel Service, we offer a wide range of grades and dimensions to meet your project's technical requirements.

DELIVERY FORMS:

Coil	Surface acid cleaned, edges cut or uncut.
Cut-to-Length Sheet from Coil	Sheet: In plate form
Skin Pass	Skin passing is optionally applied to improve surface smoothness and mechanical properties (max. 3mm thickness).

DIMENSIONS:

Thickness Range	1.20 mm – 6.00 mm
Coil Inner Diameter	Standard 610 mm (508 / 610 mm options for skin passed products)

SURFACE QUALITY:

% CE VALUE	WELDABILITY	DESCRIPTION
≤ 0.30	Very Good	Can be welded without requiring additional processing. Can be welded with appropriate welding materials and temperature.
0.30 - 0.55	Good	temperature.
≥ 0.55	Sufficient	Requires special welding procedures and precautions.

QUALITY STANDARDS AND GRADES:

Structural Steels (EN 10025-2):
S235JR, S275JR, S355JR (Can be produced suitable for galvanizing)

Steels Suitable for Cold Forming (EN 10111): DD11, DD12, DD13, DD14

High Strength Steels (EN 10149-2):
S315MC, S355MC, S420MC, S460MC, S500MC

And other international standards specific to your project...

PRODUCTS

COLD ROLLED STEEL

SURFACE EXCELLENCE & PRECISE TOLERANCE

When aesthetics and superior formability are priorities, Cold Rolled Steel (CR) is the industry's number one choice. Produced by processing steel at room temperature, CR offers a smooth, shiny surface and increased strength, making it ideal for high-precision applications.

KEY APPLICATION AREAS

Automotive: Visible exterior panels (hoods, doors) and interior parts.

White Goods: Aesthetic casings for refrigerators, washing machines, and ovens.

Heating & Furniture: Panel radiators, office cabinets, and metal furniture.

Lighting & Electrical: Fixtures and panels requiring precise assembly.

CUSTOMIZED AT CHY STEEL

We process CR steel to fit your exact production needs;

Precision Slitting:

Narrow widths with minimal burrs.

Cut-to-Length:

Perfect flatness and exact dimensions.

WHY CHOOSE COLD ROLLED STEEL?

01 SURFACE PERFECTION:

A smooth, homogeneous surface that is the perfect base for painting, coating, and varnishing.

02 PRECISE TOLERANCES:

Minimum thickness deviation ensures seamless operation in automated production lines.

03 EXCELLENT FORMABILITY:

Thanks to annealing, it is highly suitable for deep drawing and complex bending operations.

TECHNICAL SPECIFICATIONS

CHY offers a wide portfolio of CR steel grades that meet even the most demanding technical specifications.

DELIVERY FORMS:

Coil	Edges cut or in original (uncut) condition.
Slit Coil	In precise widths customized for your project.
Cut-to-Length Sheet	In requested lengths, stacked.
Form	Annealed or Full-Hard (untempered, maximum hardness).

DIMENSIONS:

Thickness Range	0.10 mm – 3 mm
Coil Inner Diameter	Standard 508 mm or 400 mm.

SURFACE PROTECTION (OILING):

Normal Oiled	1200 mg/m ² (Standard)
Lightly Oiled	800 mg/m ²
Heavily Oiled	2000 mg/m ² (Upon special request)

SURFACE QUALITY AND APPEARANCE:

Surface Appearance	Symbol	Roughness Value (Ra)
Bright	b	≤ 0.40 μm
Semi-Bright	g	≤ 0.90 μm
Normal (Matte)	m	0.6 μm < Ra ≤ 1.9 μm
Rough	r	> 1.6 μm

QUALITY STANDARDS AND GRADES:

Steels Suitable for Cold Forming (EN 10130): DC01, DC03, DC04, DC05, DC06 (In increasing order of deep drawability)

High Strength Low Alloy Steels (EN 10268): HC260LA, HC300LA, HC340LA, HC420LA

Steels Suitable for Enameling (EN 10209): EK1, EK4

And other international standards specific to your project...

PRODUCTS

GALVANIZED STEEL (HDG)

SUPERIOR PROTECTION AGAINST CORROSION

Galvanized steel serves as the most effective defense against moisture and time. By combining the strength of steel with a protective zinc shield, it creates a metallurgical bond that resists impact and abrasion. At CHY Steel, we supply HDG coils and sheets customized for your most demanding projects.

THE HDG PROCESS (SIMPLIFIED)

Cleaning: Removal of oil and oxides.

Annealing: Heating for desired mechanical properties.

Zinc Bath: Immersion in molten zinc to form alloy layers.

Finishing: Cooling and surface passivation.

KEY APPLICATION AREAS

Construction: Roofing, profiles, and structural supports.

Automotive: Chassis parts and corrosion-prone components.

Agriculture: Silos and farming equipment.

White Goods: Durable internal and external parts.

WHY CHOOSE GALVANIZED STEEL?

01 DUAL PROTECTION:

Zinc acts as both a physical barrier and a "sacrificial anode," protecting the steel underneath even if the surface is scratched.

02 LONG LIFESPAN & LOW COST:

Provides decades of protection with zero maintenance, significantly reducing long-term expenses.

03 FULL COVERAGE:

The hot-dip process ensures zinc reaches every corner, edge, and hole for total security.

TECHNICAL SPECIFICATIONS

CHY offers a wide technical portfolio to meet the most specific galvanized steel needs of your project.

DELIVERY FORMS:

Delivery Form	Coil, Slit Coil, Cut-to-Length Sheet
Thickness Range	0.13 mm – 4.00 mm
Width Range	800 mm – 1,300 mm (Narrower widths possible after slitting)

COATING AND SURFACE PROPERTIES:

Coating Weight	Min. 60 g/m ² - Max. 600 g/m ² (Z60 - Z600). Appropriate coating selected based on project corrosion resistance.
Surface Type (Spangle)	Normal Spangle or Minimized Spangle
Surface Quality	A, B, C quality options.
Surface Protection - Passivation	Chromated or eco-friendly Chromium-free (RoHS compliant) options.
Surface Protection - Oiling	Chromated or eco-friendly Chromium-free (RoHS compliant) options.

WHY CHOOSE CHY FOR GALVANIZED STEEL?

Technical Expertise: We help you select the optimal coating weight and steel grade for your specific environment and service life.

Consistent Quality: Guaranteed coating uniformity and mechanical properties in every single shipment.

Flexible Processing: Quick response to non-standard dimensions via our precision slitting and cut-to-length lines.

Supply Assurance: On-time delivery driven by robust stock management and a strong logistics network.

QUALITY STANDARDS AND GRADES:

Grades Suitable for Cold Forming (EN 10346):

DX51D+Z, DX52D+Z, DX53D+Z, DX54D+Z (Suitable for deep drawing and pressing)

Structural Steels (EN 10346):

S220GD+Z, S250GD+Z, S280GD+Z, S320GD+Z, S350GD+Z (High strength)

High Strength Low Alloy (HSLA)

Steels (EN 10346):

HX300LAD+Z, HX340LAD+Z, HX420LAD+Z etc.

ASTM Standards :

ASTM A653M (CS, FS, DDS, SS etc.)

Others:

Dual Phase, Bake Hardening steels specific to your project.

PRODUCTS

PRE-PAINTED STEEL

THE COLOR OF DESIGN, THE ARMOR OF DURABILITY

Steel is no longer just structural; it is an aesthetic statement. PPGI combines the raw strength of galvanized steel with the boundless beauty of color. Produced via continuous coil coating, it offers a level of consistency and durability that post-painting simply cannot match.

KEY ADVANTAGES

01 Unlimited Design:

Wide RAL spectrum, metallic, matte, or textured finishes to match your corporate identity.

02 Superior Resistance:

A long-lasting shield against UV rays, corrosion, and chalking.

03 Cost Efficiency:

Ready-to-use material eliminates the need for in-house painting lines, saving time and labor.

THE COIL COATING ADVANTAGE

Surface Prep: Flawless cleaning for optimal adhesion.

Multi-Layer System: Primer + Top Coat applied for double protection.

Controlled Curing: Oven-baked to prevent peeling, cracking, or fading.



THE CHY
SOLUTION.
MORE THAN
JUST COLOR

EXPERT CONSULTATION:

We guide you to the right coating (Polyester, HDP, PVDF) for your specific environment.

CUSTOM COLORS:

Production of specific corporate colors beyond standard RAL codes.

PROTECTIVE PROCESSING:

Slitting and cutting performed with protective film to ensure zero scratches.

TECHNICAL SPECIFICATIONS

Substrate	Hot-Dip Galvanized Steel Sheet
Thickness Range	0.20 mm – 1.20 mm
Width Range	800 mm – 1,300 mm
Zinc Coating Weight	60 – 275 g/m ² (Z60-Z275)
Paint Color	Full RAL catalog and custom customer requests
Gloss Level	Matte, Low Gloss, Semi-Gloss, High Gloss
Protective Film	Optional surface protective film with thickness of 35 - 100 microns

PAINT TYPE / ABBREVIATION / KEY FEATURES

Polyester	SP	Economical, good formability, ideal for interior and normal exterior environments.
High Durable Polyester	HDP	Improved UV resistance and color retention, for challenging facades.
Polyurethane-Polyamide	PUR-PA	High scratch and abrasion resistance, for high-traffic areas and sandwich panels.
Polyvinylidene Fluoride	PVDF	Highest level of UV resistance, chemical resistance, and color retention, for prestigious projects.

WHY CHOOSE CHY FOR GALVANIZED STEEL?

Technical Consultancy: We guide you in selecting the right material and coating that will maximize your project's longevity and aesthetics.

Quality Assurance: We only include products from proven manufacturers that comply with international standards in our portfolio.

Flexible Supply: Whether full coils, slit coils, or cut-to-length sheets, we deliver the required form and quantity.

Reliability: With our principles of color consistency and on-time delivery, we guarantee visual integrity and workflow even in your large-scale projects.

APPLICATION AREAS

CONSTRUCTION

Roofing, Sandwich Panels, Facades, Garage Doors.

WHITE GOODS:

Refrigerators, Washing Machines, Microwave Casings.

HVAC & COMMERCIAL:

Air Conditioning Units, Shelving, Lighting.

PRODUCTS

SILICON STEEL

THE STEEL CORE OF ENERGY EFFICIENCY

NGO sheets are designed so that their magnetic properties are uniform in all directions (isotropic) during production. This makes them perfect for rotating machines where the magnetic field continuously changes direction. Regardless of the direction from which the magnetic flux originates, NGO sheet performs consistently in every direction.

VALUE-ADDED SERVICES AT CHY

Precision Slitting (Low Burr): Crucial for stacking laminations. Our low-burr cutting prevents short circuits and boosts motor/transformer efficiency.

Cut-to-Length: Perfectly flat sheets ready for laser cutting or punching presses.

Precision Slitting (Low Burr): Crucial for stacking laminations. Our low-burr cutting prevents short circuits and boosts motor/transformer efficiency.

Cut-to-Length: Perfectly flat sheets ready for laser cutting or punching presses.

Strategic Stock Power: One of Turkey's largest inventories with an annual processing capacity exceeding 60,000 tons. Fast delivery, always.

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WHAT MAKES IT SPECIAL?

INCREASES ELECTRICAL RESISTIVITY

Silicon significantly increases the electrical resistance of the steel. It limits "eddy currents," which occur under alternating current and cause energy loss.

REDUCES MAGNETIC LOSSES

It decreases "hysteresis losses," which arise when the steel is repeatedly magnetized and demagnetized under a magnetic field.

PREVENTS MAGNETIC AGING

It prevents the degradation of the steel's magnetic properties over time and with temperature, ensuring the device maintains consistent performance throughout its lifespan.

TECHNICAL SPECIFICATIONS

NGO SILICON STEEL (NON-ORIENTED):

Grades	M230 - M1300 (Magnetic loss decreases, efficiency increases as the number drops)
Thicknesses	0.35 mm, 0.50 mm, 0.65 mm (standard) and special requests

GO SILICON STEEL (GRAIN-ORIENTED):

Thicknesses	0.23 mm, 0.27 mm, 0.30 mm, 0.35 mm and special requests
Special Grades	Specific grades required for your power and distribution transformer projects are supplied.

01 NGO (NON-GRAIN ORIENTED)

The Technology:

Designed with uniform magnetic properties in all directions (isotropic).

Ideal For:

Rotating Machines where the magnetic field changes direction continuously.

- Key Applications:
- AC/DC Electric Motors (Industrial, Pumps, Fans)
- Electric Vehicle (EV) & Hybrid Motors
- White Goods (Compressors, Washing Machines)
- UPS & Welding Machines

02 GO (GRAIN ORIENTED)

The Technology:

Processed to have superior magnetic flux in a single direction (anisotropic / rolling direction).

Ideal For:

Static Machines where the magnetic flux follows a specific path.

- Key Applications:
- Power & Distribution Transformers
- High Voltage Line Transformers
- Large Generators

WHY CHY IS TURKEY'S CHOICE FOR SILICON STEEL?

01 TECHNICAL CONSULTANCY:

We don't just sell steel; we engineer solutions. Our experts guide you to the most efficient and economical grade for your specific motor or transformer project.

02 PRECISION PROCESSING:

Our advanced lines ensure burr-free cutting and precise sizing. This directly boosts your final product's performance and minimizes scrap rates.

03 STRATEGIC STOCK & SPEED:

We maintain massive inventories to ensure your production never stops. Urgent demands are met with immediate dispatch.

04 QUALITY GUARANTEE:

We source exclusively from globally proven manufacturers adhering to international standards. Consistency is our promise.

PRODUCTS

ALUMINUM-SILICON COATED SHEET (AS)

THE ULTIMATE SHIELD AGAINST HEAT & CORROSION

AS-coated steel is the material of choice where thermal loads meet corrosion risks. By combining the strength of steel with an aluminum-silicon coating, it provides superior resistance to high temperatures (up to 450°C) and exhaust gases.

KEY APPLICATION AREAS

AUTOMOTIVE:

Exhaust systems (silencers, pipes, manifolds), heat shields, and fuel tanks.

APPLIANCES:

Ovens, fryers, toasters, and grills (due to hygiene and heat reflection).

HEATING SYSTEMS:

Gas boiler components and burner tubes.

WHY CHOOSE AS COATED SHEET?

01 HEAT RESISTANCE:

Maintains structural integrity and resists oxidation even in extreme thermal environments.

02 CORROSION & FUEL PROTECTION:

Superior barrier against atmospheric corrosion and excellent resistance to petrol/fuels.

03 HEAT REFLECTION:

Reflects up to 80% of heat, making it ideal for thermal management components.

THE CHY ADVANTAGE

PRECISION SLITTING:

Custom widths delivered ready for your stamping lines.

WIDE GRADE RANGE:

From deep-drawing steels to high-strength structural grades.

TECHNICAL SUPPORT:

Expert advice on tooling and joining methods for coated steels.

TECHNICAL SPECIFICATIONS

Aluminum-silicon coated sheet is available in a variety of steel grades to suit different applications, from complex deep drawing to structural support.

AVAILABLE STEEL GRADES:

Category	Typical Grades / Description
Deep-drawing steels	DX51D, DX52D, DX53D, DX54D, DX56D. Suitable for complex forming and household appliances.
Structural steels	S220GD to S350GD. Used where higher yield strength and load-bearing capacity are required.
Micro-alloyed steels	High strength low alloy steels (e.g., HX340LAD) for weight reduction in structural parts.
Coating Weights	Available in various coating weights (e.g., AS060, AS080, AS120, AS150) per DIN EN 10346.

SURFACES AND TREATMENTS:

Surface Finishes	Available in Normal (A), Improved (B), or Best (C) surface finishes.
Surface Treatments	Chemically passivated (C), Oiled (O), Sealed (S), or Untreated (U).
Delivery Form	Coils, Slit Strip, Cut Sheets.

WHY CHY FOR YOUR AS COATED STEEL NEEDS?

SPECIALIZED KNOWLEDGE:

We understand the nuances of aluminum-silicon coatings and guide you to the right grade.

PRECISE PROCESSING:

We deliver AS-coated material cut to your exact specifications, minimizing waste.

QUALITY ASSURANCE:

Our products comply with DIN EN 10346 and VDA 239-100 standards.

RELIABLE SUPPLY:

Simplify your sourcing by consolidating your hot-dip coated steel needs with CHY's reliable service.

PRODUCTS

TIN PLATE (TINPLATE / TFS)

THE RELIABLE & SUSTAINABLE CHOICE FOR PACKAGING

Tinplate is the gold standard for packaging, combining the strength of steel with the protection of tin or chromium. Available in thicknesses from 0.12 mm to 0.60 mm, it offers superior formability and surface quality ideal for printing.

WHY CHOOSE TIN PLATE?

01 Food Safety & Hygiene:

Inert structure preserves taste and nutrition, making it perfect for food and sterilization processes.

02 Excellent Formability:

High ductility allows for deep drawing complex shapes like cans and lids without cracking.

03 Printability:

A smooth surface that serves as a perfect canvas for high-quality branding and decoration.

04 Sustainability:

100% infinitely recyclable without loss of quality.

KEY APPLICATION AREAS

Food & Beverage:

Cans for tomato paste, tuna, olive oil, and biscuits.

Industrial:

Paint cans, aerosol sprays, and chemical containers.

General Packaging:

Cosmetic tins, gift boxes, and battery casings.

Automotive:

Electronic components and gaskets.



VALUE-
ADDED
SERVICES AT
CHY

PRECISION SLITTING:

Custom widths to minimize scrap in your press lines.

EXTENSIVE STOCK:

Rapid supply of various tempers and coating weights.

TECHNICAL CONSULTANCY:

Expert guidance on selecting Tinplate vs. TFS based on your specific application.

TECHNICAL SPECIFICATIONS

At CHY Steel Service, we offer a wide portfolio of tinline products produced with Erdemir quality. We can supply products with different coating types, annealing methods, and strength levels to meet your project's specific demands.

COATING TYPES AND ANNEALING METHODS:

Quality Type	Description
Tinline	Electrolytically coated with tin. Superior corrosion resistance and solderability. (TS / TH Grades)
Chromium Coated (TFS)	Electrolytically coated with chromium oxide. Excellent paint adhesion property and economical solution. (TS / TH Grades)
Annealing Methods	Batch Annealed (BA) and Continuous Annealed (CA). Determines the mechanical properties (softness/hardness) of the material.

Quality No	Standard
2023, 2004, 2026, 2005, 2006, 2007	TS230 - TS415 (EN 10202:2001)
2123, 2104, 2126, 2105, 2106	TS230 - TS415 (EN 10202:2001)
2223, 2225, 2226, 2228, 2240, 2242, 2244	TH230 - TH435 (EN 10202:2001)
2052, 2055	TS520 - TS550 (EN 10202:2001)
2252, 2255, 2258, 2260, 2262	TH520 - TH620 (EN 10202:2001)
2352, 2355	TH520 - TH550 (EN 10202:2001)
2323, 2325, 2326, 2328, 2340, 2342, 2344	TH230 - TH435 (EN 10202:2001)

WHY CHY FOR TIN PLATE?

01 ERDEMIR QUALITY ASSURANCE:
We guarantee reliability by sourcing from Erdemir, the region's leading steel producer.

02 EXTENSIVE PORTFOLIO:
A wide range of both Tinline and TFS (Chromium Coated) options in various tempers and thicknesses.

03 CUSTOM PROCESSING:
Production-ready material delivered via our precision slitting and cut-to-length services.

04 TECHNICAL CONSULTANCY:
Expert guidance on selecting the right coating weight and temper for your specific packaging needs.

05 FAST SUPPLY:
Uninterrupted material flow backed by large stocks and an efficient logistics network.

PRODUCTS

PIPES & PROFILES

HIGH-FREQUENCY WELDED PRECISION TUBES

We manufacture high-quality steel pipes and profiles compliant with international standards (DIN 2394, TS EN 10219-2, TS EN 10305-3). Our flexible production lines allow us to meet specific project requirements ranging from standard construction needs to precision industrial applications.

PRODUCTION RANGE & CAPABILITIES

OUTER DIAMETER:

Ø10 mm – Ø76 mm

WALL THICKNESS:

0.50 mm – 3.00 mm

LENGTH:

Standard 6,000 mm (Custom: 3,000 mm – 9,000 mm)

RAW MATERIAL OPTIONS

We process top-tier flat steel into pipes tailored to your application:

- Hot Rolled (HR)
- Pickled & Oiled (HR P&O)
- Cold Rolled (CR)
- Galvanized (HDG)
- Aluzinc (Galvalume)

THE QUALITY DIFFERENCE: ZINC-SPRAY PROTECTION

For our Galvanized Pipes, the welding zone is the most vulnerable point. We apply a specialized Zinc-Spray coating to the weld seam immediately after production. This restores full corrosion resistance, ensuring the pipe remains rust-proof continuously.

PRODUCTS

SQUARE & RECTANGULAR HOLLOW SECTIONS

PRECISION BOX PROFILES

We manufacture high-durability square and rectangular hollow sections (box profiles) tailored for construction, furniture, and industrial applications. Produced to meet strict dimensional tolerances, our profiles offer the perfect balance of strength and aesthetics.

PRODUCTION CAPABILITIES

DIMENSIONS (SQUARE):

10x10 mm – 60x60 mm

DIMENSIONS (RECTANGULAR):

Corresponding sizes (e.g., 10x20 mm – 40x80 mm)

WALL THICKNESS:

0.50 mm – 3.00 mm

LENGTH:

Standard 6,000 mm (Custom: 3,000 mm – 9,000 mm)

RAW MATERIAL OPTIONS

Available in a wide range of steel grades to suit your project needs:

- Hot Rolled (HR)
- Pickled & Oiled (HR P&O)
- Cold Rolled (CR)
- Galvanized (HDG)
- Aluzinc (Galvalume)

THE QUALITY DIFFERENCE: ZINC-SPRAY PROTECTION

Just like our pipe production, the welding zone of our Galvanized Profiles is treated with a specialized Zinc-Spray coating. This critical step restores corrosion resistance at the weld seam, ensuring the profile remains durable and rust-proof throughout its service life.

PRODUCTS

CUSTOM ROLL-FORMED STRUCTURAL SOLUTIONS

Beyond standard shapes, we manufacture high-strength open profiles tailored to your specific project needs. From light steel construction to heavy industrial frameworks, our roll-forming lines deliver precision and durability.

PRODUCTION CAPABILITIES

WALL THICKNESS:

0.50 mm – 8.00 mm (High Structural Capacity)

CUSTOMIZATION:

Design of special cross-sections (C, U, Z, Sigma, Omega, and custom shapes).

PERFORATION:

Pre-punched holes and slots according to your technical drawings, ready for assembly.

RAW MATERIAL OPTIONS

We process a wide range of flat steel types:

- Hot Rolled (HR)
- Pickled & Oiled (HR P&O)
- Cold Rolled (CR)
- Galvanized (HDG)
- Aluzinc (Galvalume)
- Pre-Painted (PPGI) (Ideal for visible architectural structures)

KEY APPLICATION AREAS

SOLAR ENERGY:

Photovoltaic (PV) mounting systems and construction profiles.

CONSTRUCTION:

Light steel buildings, warehouses, hangars, and roof purlins.

LOGISTICS & STORAGE:

High-capacity racking systems and container profiles.

AGRICULTURE:

Greenhouse construction profiles.

AUTOMOTIVE:

Special chassis and body profiles.

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