



Trishan Metals Pvt Ltd



Precision,
our business
philosophy



TMPL is a leading Indian manufacturer of cold rolled low, medium & high carbon steel strips on a rapid growth track.

Formerly known as Walzen Steel, Trishan Metals Pvt Ltd operates on the strategic vision of a team of professionals whose goal is to achieve top ranking status in supply and manufacture, thus becoming the supplier of choice in demanding markets.

In July 2016, IFB Industries Ltd made a strategic investment in Trishan Metals, acquiring a 51% stake.

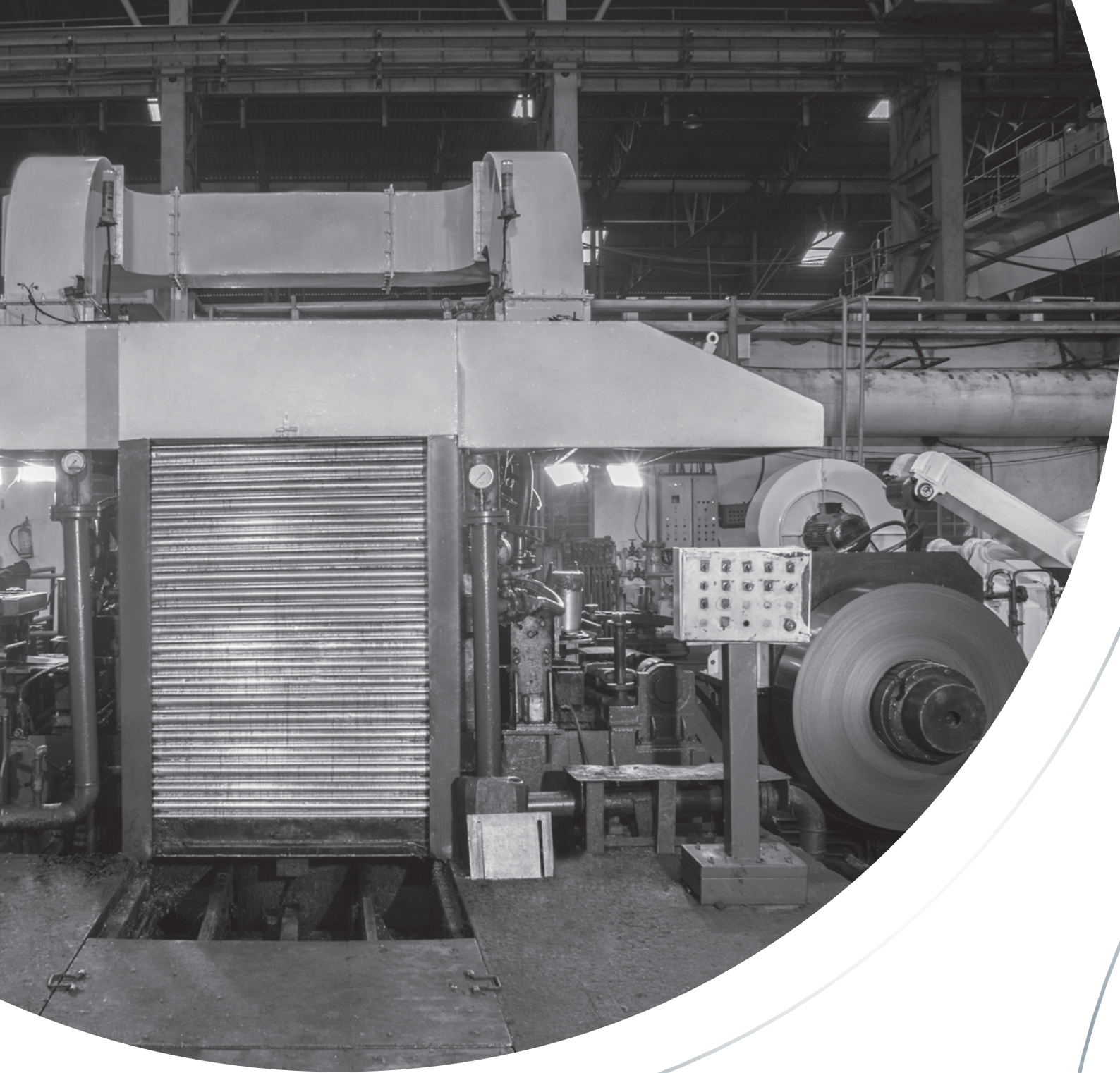


VISION

To set new benchmarks for cold rolled strips and become a leading player in the country. Utilising state-of-the-art, eco-friendly technologies and fulfilling our employees' potential to deliver organisational excellence.

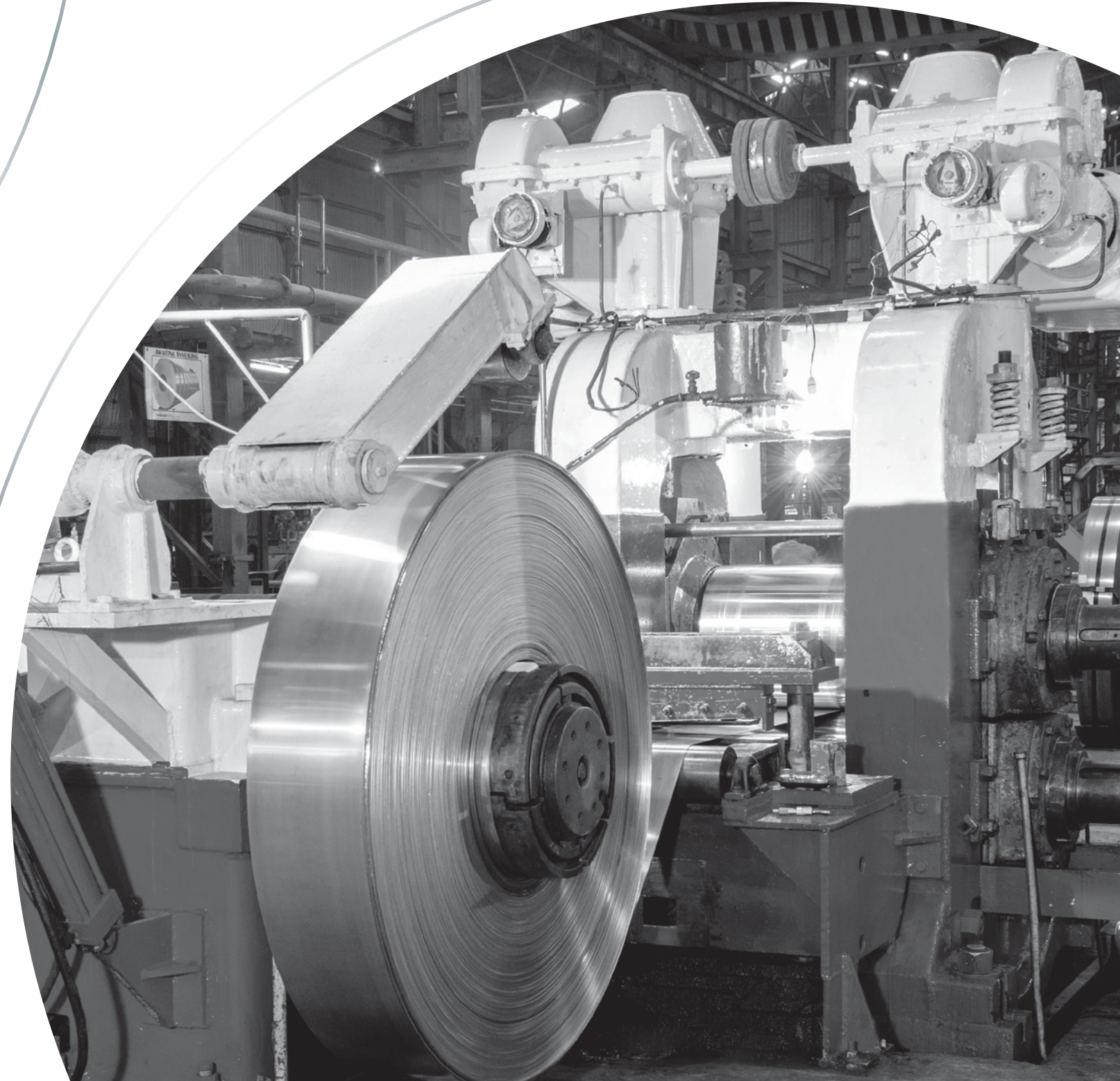
MISSION

We aspire to lead the market with world class products and services to establish ourselves as a trust mark. TMPL is governed by a chain of core values that drives the Group's decisions and behaviour to set standards of excellence, transparency and accountability that reward our stakeholders, including customers, employees and business partners.



HIGH STANDARDS MEET SPECIALISATION

Well known for its forming and deep drawing properties, low, medium and high carbon annealed cold rolled steel strips are used in the production of various items that may be hardened and tempered after blanking, stamping or forming. TMPL's wide range of carbon steel strips is engineered to match both standard and speciality requirements of target industry sectors. Let TMPL supply you the best-in-class cold rolled low, medium and high carbon steel strips as per your specifications.



TEAMPLAYERS

TMPL's senior management comprises visionary professionals whose collective experience adds up to an impressive number of decades. The core management is noted for the diversity of its industrial exposure. The team shares a willingness to change the rules of the game through value creation and integrity, providing quality cold rolled strips at an affordable price.



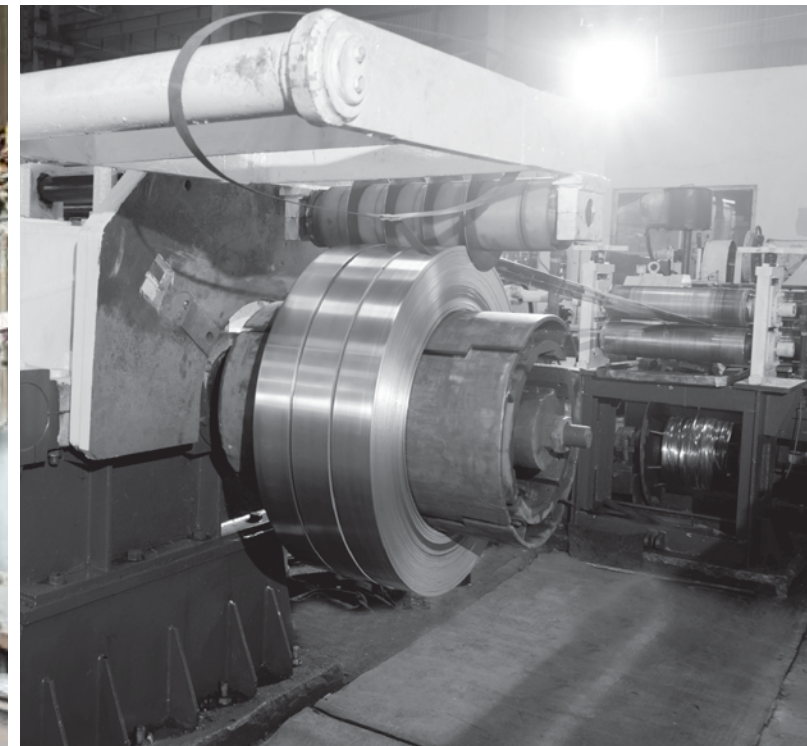
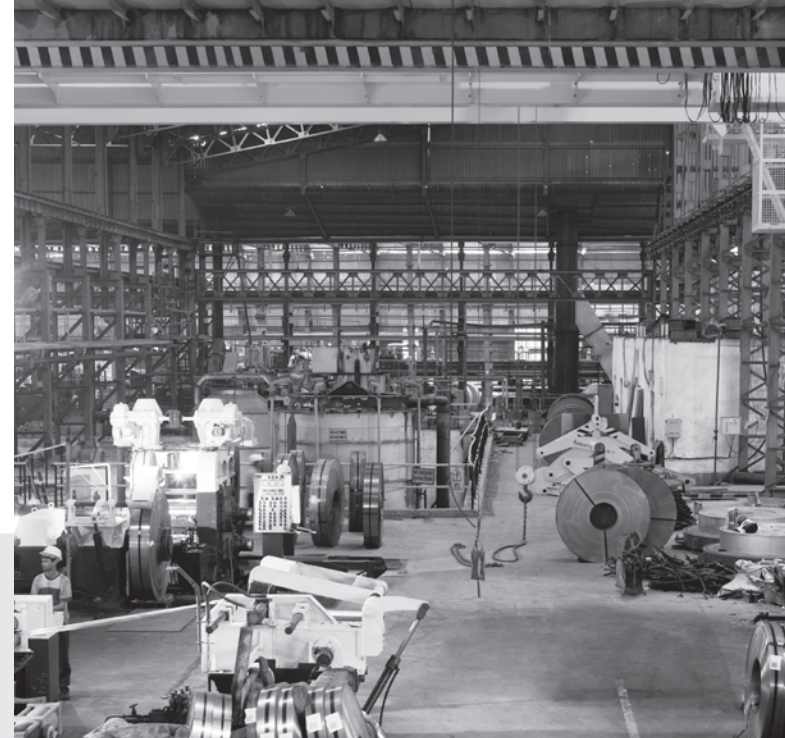
OUR PRODUCTS

Trishan Metals Pvt Ltd manufactures low, medium and high carbon cold rolled steel strips and is one of the largest of its kind in Eastern India.

Grades

CR2, CR3, CR4, IS:1079 D/DD
Low carbon

C-30, C-40, C-55, C-62, C-80
Medium and high carbon





SI No	Product	Grade	Carbon %	Standard for Chemistry	Cold Rolled Width (mm)	Thickness (mm)	Conforming to Standard	Hardness VPN Number	TS	Conforming to Standard	Slit Width (mm)
1	CRFH	MS	0.12 Max	BIS:IS513	200-400	0.3-4.0	BIS:IS513	190-220	682 Max	BIS IS-513:2008	36-390
2	CRFH	C-30	0.3-0.35	BIS:IS7226	200-400	0.3-4.0	BIS:IS7226	220-230	712 Max	BIS IS-513:2008	36-390
3	CRFH	C-40	0.4-0.45	BIS:IS7226	200-400	0.3-4.0	BIS:IS7226	230-240	745 Max	BIS IS-513:2008	36-390
4	CRFH	C-50	0.47-0.55	BIS:IS7226	200-400	0.3-4.0	BIS:IS7226	240-250	773 Max	BIS IS-513:2008	36-390
5	CRFH	C-60	0.59-0.65	BIS:IS7226	200-400	0.3-4.0	BIS:IS7226	250-270	835 Max	BIS IS-513:2008	36-390
6	CRFH	C-70	0.68-0.75	BIS:IS7226	200-400	0.3-4.0	BIS:IS7226	260-280	866 Max	BIS IS-513:2008	36-390
7	CRFH	C-80	0.76-0.82	BIS:IS7226	200-400	0.3-4.0	BIS:IS7226	270-300	930 Max	BIS IS-513:2008	36-390
8	CRCA	MS	0.12 Max	BIS IS-513:2008	200-400	0.3-4.0	BIS IS-513:2008	130 Max	370 Max	BIS IS-513:2008	36-390
9	CRCA	Carbon Steel	0.3-0.35	BIS:IS7226	200-400	0.3-4.0	BIS:IS7226	130-140	435 Max	BIS IS-513:2008	36-390
10	CRCA	Carbon Steel	0.4-0.45	BIS:IS7226	200-400	0.3-4.0	BIS:IS7226	140-150	465 Max	BIS IS-513:2008	36-390
11	CRCA	Carbon Steel	0.47-0.55	BIS:IS7226	200-400	0.3-4.0	BIS:IS7226	150-170	530 Max	BIS IS-513:2008	36-390
12	CRCA	Carbon Steel	0.59-0.65	BIS:IS7226	200-400	0.3-4.0	BIS:IS7226	160-175	545 Max	BIS IS-513:2008	36-390
13	CRCA	Carbon Steel	0.68-0.75	BIS:IS7226	200-400	0.3-4.0	BIS:IS7226	170-190	590 Max	BIS IS-513:2008	36-390
14	CRCA	Carbon Steel	0.76-0.82	BIS:IS7226	200-400	0.3-4.0	BIS:IS7226	170-190	590 Max	BIS IS-513:2008	36-390

1. For width up to 200 mm, 3-9 kg/mm width • 2. For width 200-400, 9-18 kg/mm width • 3. ID for all sizes 508 mm"

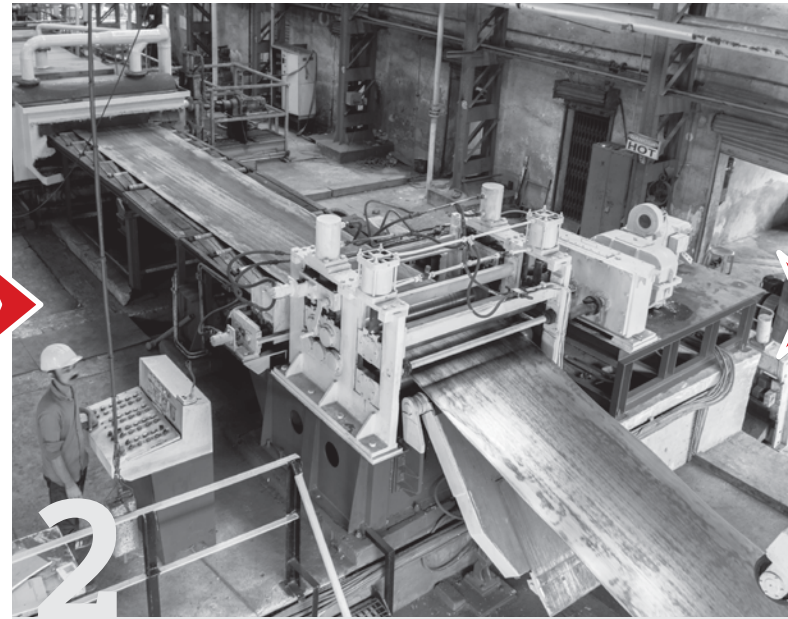
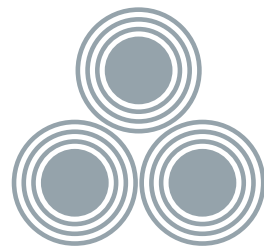
**Minimum order quantity for one thickness should be 5 mm and total order for one grade should be 20 mm

PRODUCTION PROCESS



1

HR COIL
The process starts with the hot rolled coils



2

PICKLING LINE
Hydrochloric acid pickling line with a capacity of 180,000 mt per annum. The process removes oxide scales from the surface of the hot rolled coils.

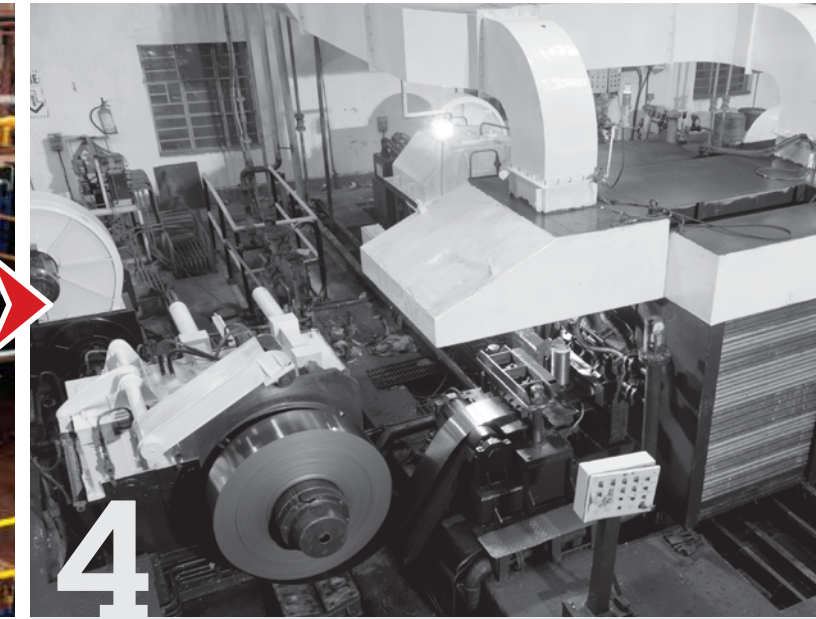
- Thorough rinsing with DM water
- Chemical cleaning by hot acid of controlled concentration



3

HR SLITTING
Pickled coils are slit to desired width to prepare narrow strips for further processing

- Slitting line capacity of 180,000 mt per annum
- Can slit up to 6 mm thickness



4

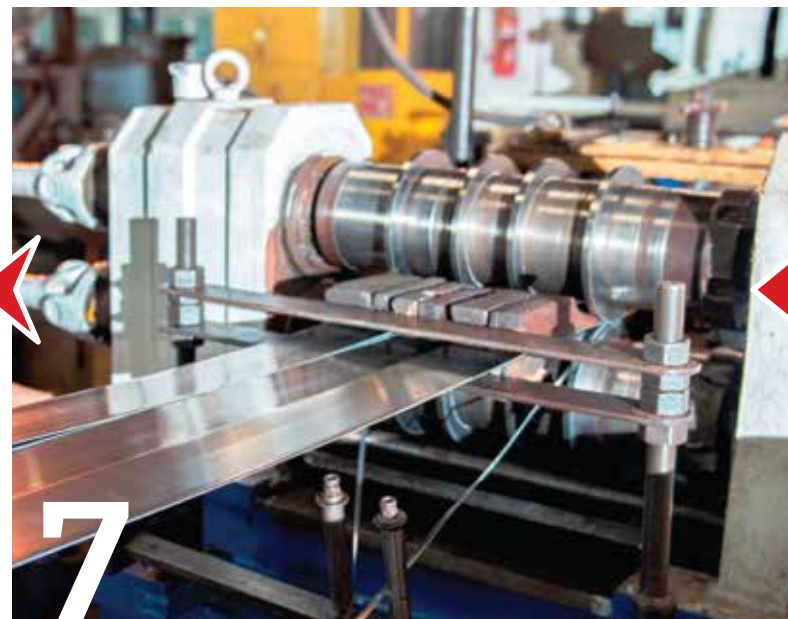
4 HI COLD ROLLING MILL
4-HI Cold Rolling Mill is used for rolling the pickled and slitted coils to their desired thickness based on requirements.

- Automated gauge control
- Output thickness range 0.30-4 mm
- Width range 400 mm (max)



8

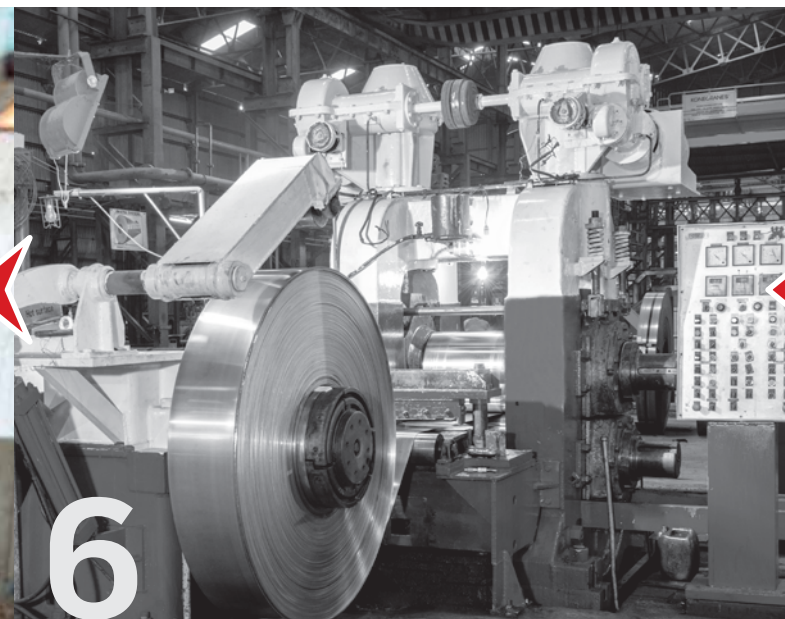
PACKING AND DESPATCHING
The products are carefully packed and made ready to be shipped



7

CR SLITTING
Cutting the coil to customised width as per requirements.

- Burr free edges with controlled winding tension



6

2 HI SKIN PASS MILL
Skin pass helps in slight thickness reduction to impart the desired temper. Strips achieve desired surface roughness (matte, bright) as per customer specifications

- Precise thickness control by experts



5

BELL ANNEALING FURNACE
To remove strain and to obtain desired grain structure for improved mechanical properties, the strips are heated and control cooled in an inert atmosphere.

- Hydrogen and nitrogen gases used as inert media
- Superior surface cleanliness
- Spherodisation/recrystallisation annealing
- Mechanical properties as per IS standards



PROCESS FLOW DIAGRAM



QUALITY IS AN ONGOING COMMITMENT

- Our in-house precision laboratory is equipped with chemical, physical and metallurgical testing equipment
- We are therefore able to guarantee the desired quality for each precision component and worked part
- All materials pass through our exclusive testing facility and test certificates accompany each lot that reaches the customer



LIST OF TESTING EQUIPMENT

Mounting and Polishing Machine



Chemical Testing



Surface Hardness Tester



Ericksen Cupping Testing Machine



Surface Hardness Testing



Universal Testing Machine

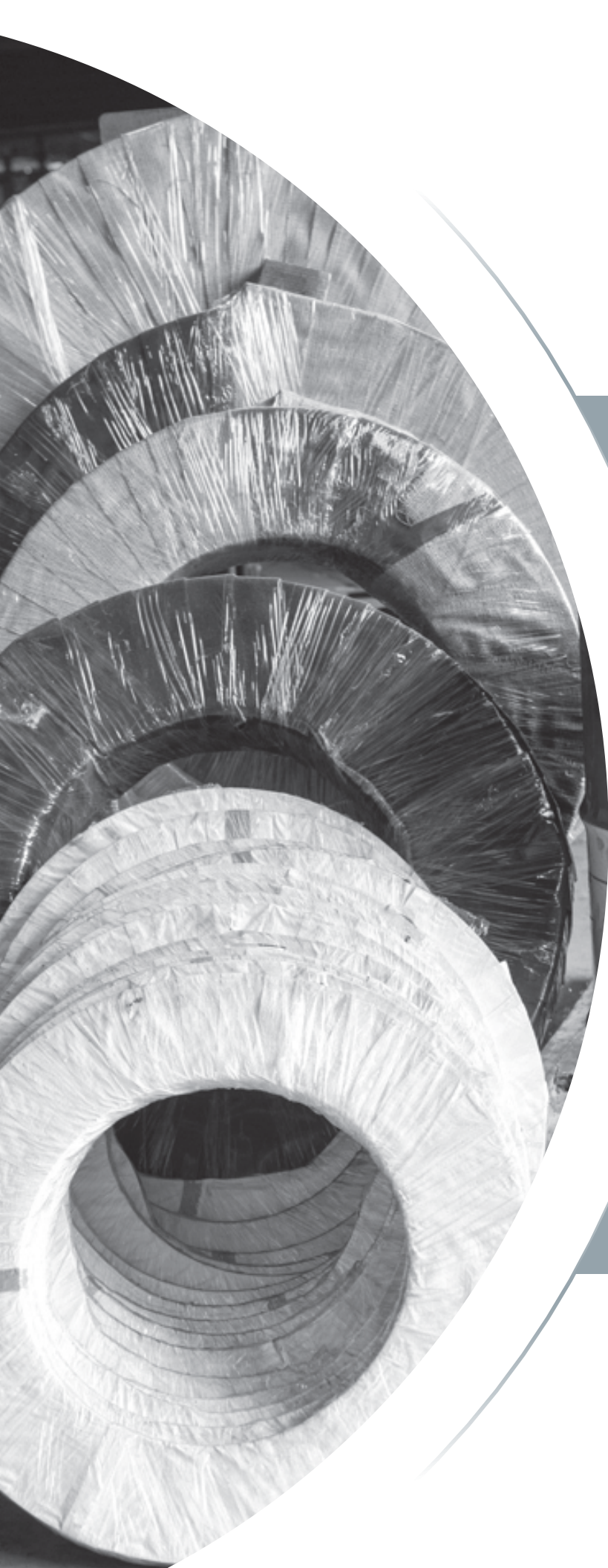


Metallurgical Microscope

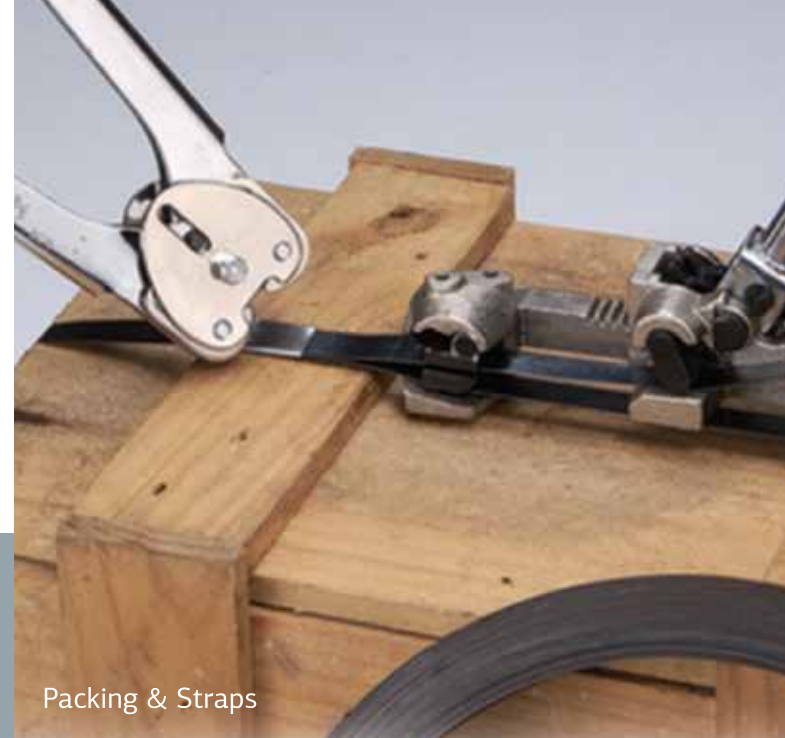


Office Workspace





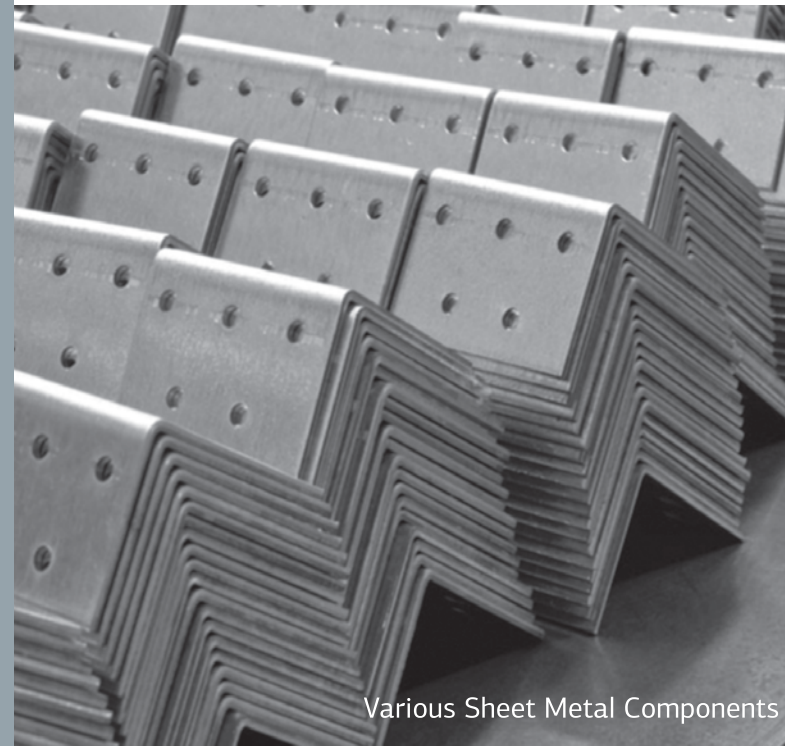
TYPICAL APPLICATIONS
OF OUR PRODUCTS



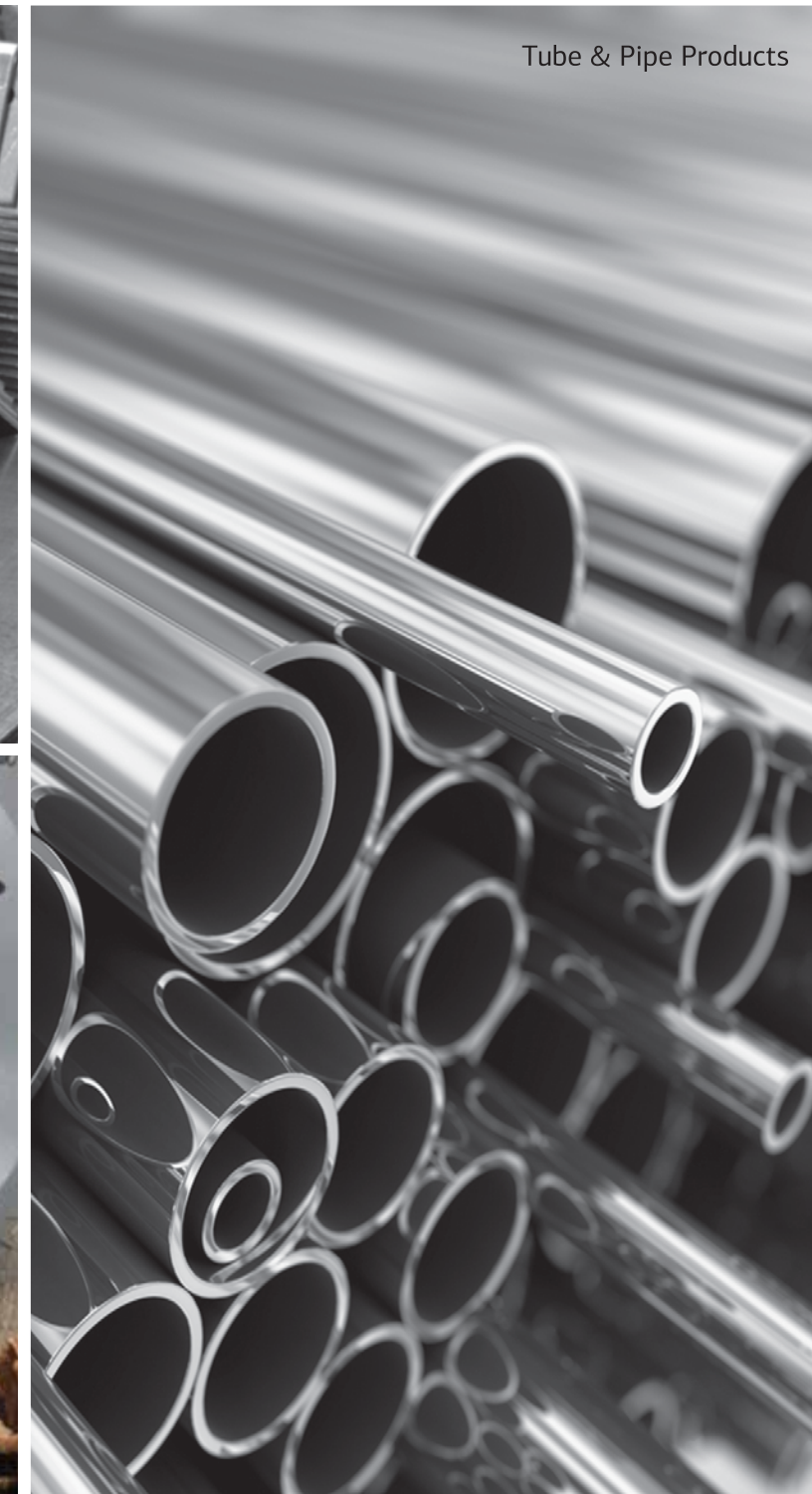
Packing & Straps



Fine Blanking Components



Various Sheet Metal Components



Tube & Pipe Products

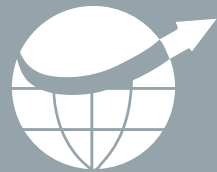


Saw and Blade Products

OUR CLIENTS



Automotive Private Limited



GROW EVER



PROCESS GALVANISER





At TMPL,
precision is not
just a word but
also a philosophy
of business.





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