



## **Steel Solutions- for stainless excellence**



To provide our business partners world class quality and services at competitive prices so as to create customer delight and ensure long term relationships.

## INTRODUCTION

**VMC Steel Private Limited**, VMC, is a professionally run, new generation business house which is dedicated to the manufacturing of quality products with customer delight. VMC is promoted and managed by a team of qualified engineers, with extensive experience in the Cold Rolling, Tubes and Automotive Component manufacturing business. Customer satisfaction and long term relations are of utmost importance to us and we strive to achieve these goals every day.

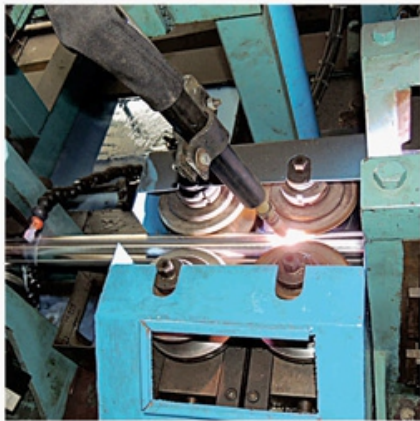
VMC's manufacturing plant is situated in the fast growing National Capital Region - Greater Noida, India. With close proximity to the national highways, our products can reach any market – both domestic and international. The ultramodern facility located at Greater Noida is equipped with modern manufacturing machines, latest welding technology and precision testing facilities.

VMC is also expanding its manufacturing facility in Thane (near Mumbai), Maharashtra, India.

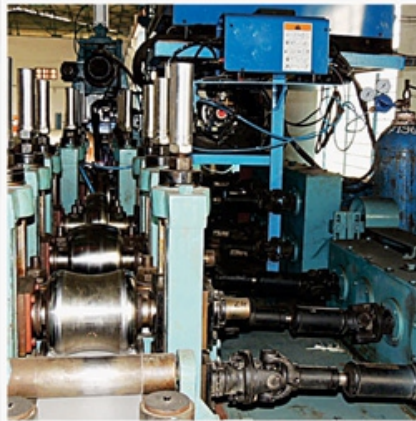


## TUBES & WIRES

VMC caters to the world of Stainless Steel products having the following product portfolio:



TIG Welding



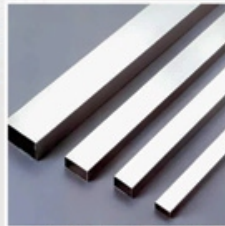
Mill



Round



Oval



Square & Rectangular



Stainless Steel Wires

With the latest equipment thorough Quality Management Systems, we are capable of producing world class precision stainless steel welded tubes, pipes and wires. Our annual production capacity for stainless steel tubes and pipes is 1,200 metric tonnes. We will soon get ISO 9001:2008 and TS 16949:2009 certification. We also manufacture and supply the most perfect of products as per our customers' requirements and to the reputed ASTM/ASME/EN standards.



## MARKET SEGMENTS



Railways and Metros



Furniture and Decorative Products



Fertilizer Plants



Distillation Plants



Food Processing



Pharmaceuticals

## APPLICATIONS

- Heat Exchanger/Dust Catcher and Pressure Vessels
- Automobile Exhaust, Conduit and High-pressure systems, Head Rests, Fuel Pipes, Seatbelt Tighteners, Sunroofs and EGR Tubes.
- Sugar Mills
- Sea Water Desalination and Water Treatment Plants
- Agricultural, Furniture, Buildings and Structures
- Railway Coaches
- Submersible Pumps
- Pulp and Paper Industry
- Petrochemicals and Refineries
- Pharmaceuticals
- Oil and Gas Industries
- Power Plants
- Fertilizer Plants
- Chemical Plants
- Instrumentation





## MARKET SEGMENTS



Condensers



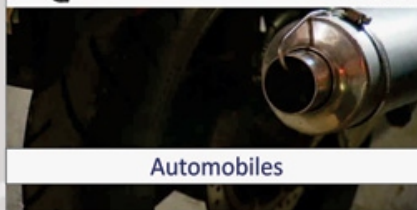
Power Plants



Petrochemicals



Bus Body Fabrication



Automobiles



Dairy Plants

## THE EXCELLENCE OF PRECISION PRODUCTS

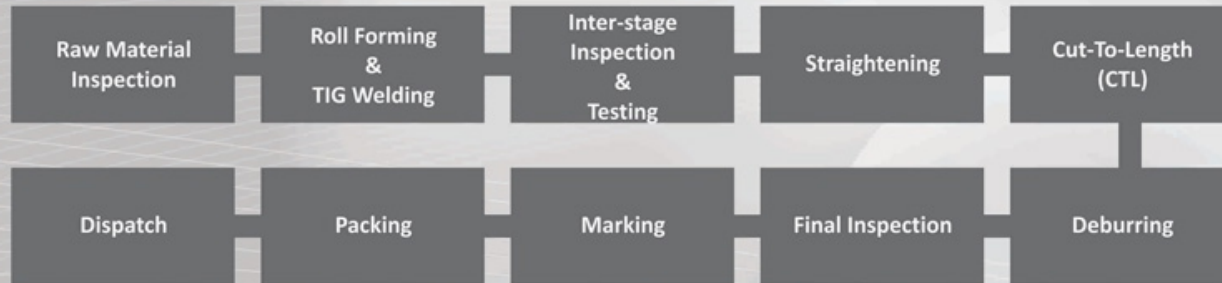
PRODUCT RANGE	
Size Range	9.5 mm - 115 mm
Thikness Range	0.5 mm – 6.0 mm
Material Grades	TP201, TP202, TPJ4, TP204Cu, TP304/L/H, TP316/L/H/TI, TP 409 / 409L / 409L (SUS),TP 410 Any other grades desired by the customers can also be provided.
PRODUCT PROFILE	
Forming	Cold Forming
Welding Process	TIG
Weld Condition	External bead polished but internal bead removed on request
Surface Quality	As weld and polished on request
Surface Finish	120, 220, 280, 320 - matt finish; 600 & 800 - mirror finish or any other finish as per customers' requirements.
Marking	By online printer on request
Packaging	<ul style="list-style-type: none"><li>• Plastic Bands</li><li>• Bundle Tags</li><li>• Plastic Foils</li><li>• Wooden Box (on request)</li></ul>

**Our products are our strength and represent who we are.**

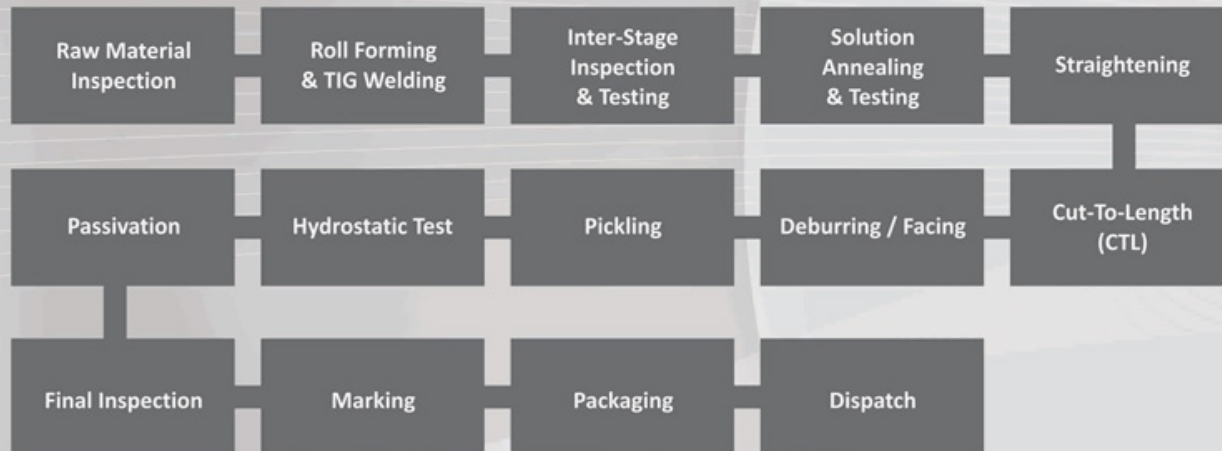
With a varied product portfolio, technical excellence and highly motivated manpower, we are best equipped to cater to the customers' needs in stainless steel tubes, pipes and wires. Our products are synonymous with quality attributes like durability, better corrosion resistance and smooth finish.

## PROCESS FLOW CHARTS

### A. For Automobile Products:



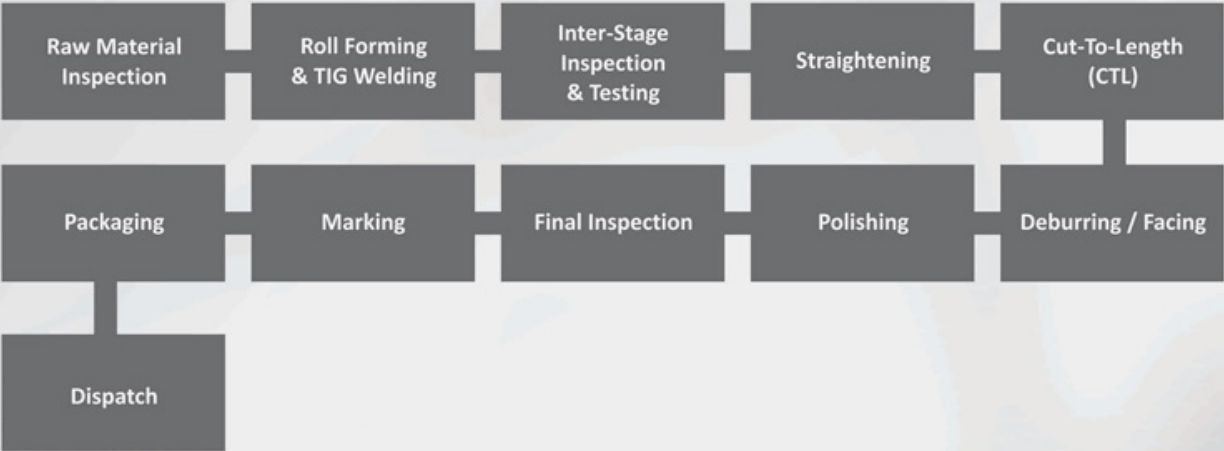
### B. For OEM & Industrial Products:





PROCESS FLOW CHARTS

C. For Furniture and Decorative Products:



Stainless Steel Wires

PRODUCT RANGE	
Size Range (O.D.)	Dia. 1 mm to 5 mm
Material Grades	ASTM 201, 202, 304, 309, 310, 316

## Machining Centre

VMC also produces components for Automobiles and White Goods Appliances. We have the following sets of machines to cater to precision parts manufacturing:

- Vertical Machining Centres
- CNC Lathes
- Radial Drilling Machines
- Surface Grinders
- Optical Profile Grinding Machines



Visual Inspection



Testing Lab

## Quality Control

VMC strictly follows quality norms for all the processes. Raw materials used are of very high quality and compatible with the latest machinery and production processes. The company's technical quality guidelines are set to high standards. A team supervises the quality assurance and quality control aspects along with entire process systems by identifying and associating with the quality circle. Quality Control Test is conducted regularly to maintain uniform product quality. The following quality inspection testing methods are conducted:

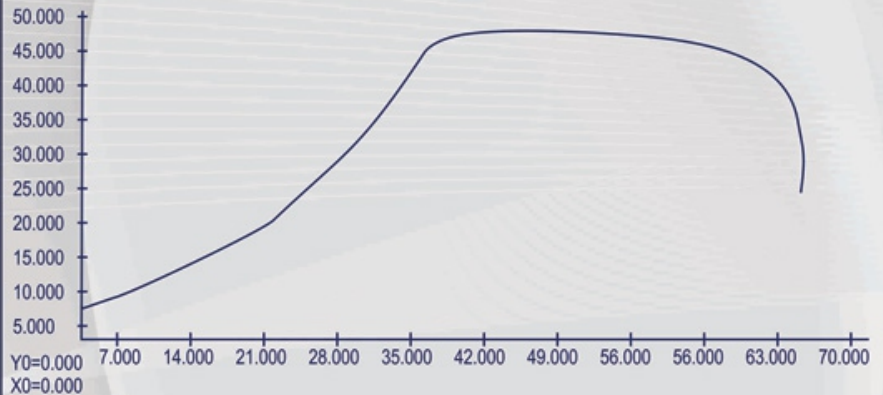
## Test Certificate

Name of Company	: Vidya Manufacturing Company
Address	: D-10/4, UPSIDC Industrial Area, Surajpur Site - 5, Near Kasna, Gr Noida U.P.
To	: QA/QC
Address	: Gr. Noida
Sample Identifications	: 409L 1.20
Machine	: Universal Testing Machine, 4005N

Input Data	: File Name : Record No. : 1, Date : 21/12/12
	: Sample Type- Round Hollow Bar Area : 91.269mm <sup>2</sup>
	: Outer Dia : 25.4 Mm Inner Dia : 23 Mm
	: Gauge Length : 50 Mm Final Gauge Length : 65 Mm

Results Of	: Tension Test
Maximum Force (FM)	: 48.000 Kn Yield Stress : 0.511 Kn/mm <sup>2</sup>
Disp At Fm	: 37.700 Mm YS/UTS Ratio : 0.972
Max. Disp.	: 65.300 Mm
Tensile Strength (RM)	: 0.526 Kn/mm <sup>2</sup>
Elongation	: 30.000 %
Yield Load	: 46.640 Kn

\* Note : yield calculated by offset method as per astm e8 at .2 % strain offset  
Graph : Load V/s Displacement



VMC Steel Private Limited

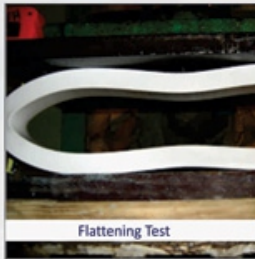
## Destructive Testing



Tensile Test



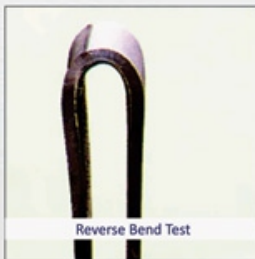
Hardness Test



Flattening Test



Flange Test



Reverse Bend Test



Flare Test

## Non-Destructive Testing



Hydrostatic Testing



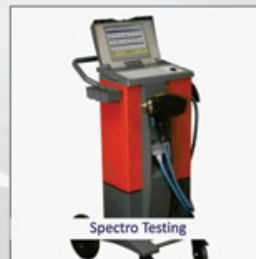
Air Under Water Testing



Eddy Current Testing



PMI Testing



Spectro Testing



Visual Inspection

Third party inspection is also welcomed from reputed agencies like SGS, DNV, Chemtex, TÜV, Bureau Veritas etc.





**VMC Steel Private Limited**

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