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:

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

<table>
<thead>
<tr>
<th>PRODUCT RANGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size Range</td>
</tr>
<tr>
<td>Thickness Range</td>
</tr>
<tr>
<td>Material Grades</td>
</tr>
</tbody>
</table>

Any other grades desired by the customers can also be provided.

<table>
<thead>
<tr>
<th>PRODUCT PROFILE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Forming</td>
</tr>
<tr>
<td>Welding Process</td>
</tr>
<tr>
<td>Weld Condition</td>
</tr>
<tr>
<td>Surface Quality</td>
</tr>
<tr>
<td>Surface Finish</td>
</tr>
<tr>
<td>Marking</td>
</tr>
</tbody>
</table>
| Packaging       | • Plastic Bands  
                  • Bundle Tags  
                  • Plastic Foils  
                  • Wooden Box (on request) |

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.
A. For Automobile Products:
- Raw Material Inspection
- Roll Forming & TIG Welding
- Inter-stage Inspection & Testing
- Straightening
- Cut-To-Length (CTL)
- Dispatch
- Packing
- Marking
- Final Inspection
- Deburring

B. For OEM & Industrial Products:
- Raw Material Inspection
- Roll Forming & TIG Welding
- Inter-Stage Inspection & Testing
- Solution Annealing & Testing
- Straightening
- Passivation
- Hydrostatic Test
- Pickling
- Deburring / Facing
- Cut-To-Length (CTL)
- Final Inspection
- Marking
- Packaging
- Dispatch
C. For Furniture and Decorative Products:

- Raw Material Inspection
- Roll Forming & TIG Welding
- Inter-Stage Inspection & Testing
- Straightening
- Cut-To-Length (CTL)
- Packaging
- Marking
- Final Inspection
- Polishing
- Deburring / Facing

Stainless Steel Wires

<table>
<thead>
<tr>
<th>PRODUCT RANGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size Range (O.D.)</td>
</tr>
<tr>
<td>Material Grades</td>
</tr>
</tbody>
</table>
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

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

<table>
<thead>
<tr>
<th>Name of Company</th>
<th>Vidya Manufacturing Company</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address</td>
<td>D-10/4, UPSIDC Industrial Area, Surajpur Site - 5, Near Kasna, Gr</td>
</tr>
<tr>
<td>To</td>
<td>QA/QC</td>
</tr>
<tr>
<td>Address</td>
<td>Gr. Noida</td>
</tr>
<tr>
<td>Sample Identifications</td>
<td>409L 1.20</td>
</tr>
<tr>
<td>Machine</td>
<td>Universal Testing Machine, 4005N</td>
</tr>
</tbody>
</table>

Input Data

- File Name: Record No.: 1, Date: 21/12/12
- Sample Type: Round Hollow Bar
- Area: 91.269mm²
- 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/mm²
- Yield Load: 46.640 Kn
- Elongation: 30.000 %
- YS/UTS Ratio: 0.972
- Max. Disp.: 65.300 Mm
- Tensile Strength (RM): 0.526 Kn/mm²

*Note: yield calculated by offset method as per astm e8 at .2 % strain offset

Graph: Load V/s Displacement

50,000
45,000
40,000
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0,000

Y=0.0000
X=0.0000

7.000
14.000
21.000
28.000
35.000
42.000
49.000
56.000
63.000
70.000

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