OUR PRESTIGIOUS CLIENTS

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Our Prestigious Clients

Pioneer in
Heavy Engineering Fabrication, Customised Equipments, Beams, Girders,
Bridges, Vessels, Boiler Structure, EPC Packages, & Product Development

RDSO Approved Supplier for ROB Steel Composite Girders


Corporate Office : C-120, Industrial Area, Bulandshahar Road, Ghaziabad - 201009, India
www.spacechemgroup.com | www.spacechemengineers.com
ABOUT US
Spacechem manufactures a diverse range of Custom Metal Fabricated Equipments with an experience of over 25 years. It has capabilities and experience for the rolling and forming of plates, beams and structures, welding and processing to manufacture virtually any fabricated assembly, which is required for any industrial or infrastructural project.

Spacechem has four manufacturing units located in Delhi-NCR region with over 75 technical workers at each location. Our factory sheds and cranes can handle single job upto 50 tons and assemblies of 100 tons with height up to 14 meters.

Spacechem have facilities for Cutting, Bending, Forming, Pressing, Punching, Welding, Painting, Galvanizing & Machining of outsourced Castings and Forgings in accordance with customer’s designs, specifications and quality plans. Spacechem is also having in house design and engineering services with latest CAD/CAM software. Spacechem has been executing in various core sectors mainly Cement, Sugar, Power, Petrochemicals Industries and Infrastructural Projects in India.

In brief, Spacechem has been manufacturing and supplying high quality fabricated structures, assemblies and equipments including machined, cast and forged components according to drawing, specifications and delivery schedules of clients. It has been also offering engineering & metallurgical services for outsourcing casting, forging, heat-treatment and machining as the best solutions for technical and commercial requirements of the client.

QUALITY POLICY
Spacechem is committed to enhance customer satisfaction by identifying & fulfilling customers needs and meeting these needs by supplying products conforming to customers requirements within agreed time frame and rendering quality and timely after sale services as per national and international standards and customer specification.

We work as a team of a motivated work force with an aim of continual improvements in the quality management system & procedures. We endeavor to augment our infrastructure and provide training to our personnel to emerge as Global Player and Leader of Domestic Market.

PRODUCT RANGE (H-BEAM & BOX)

<table>
<thead>
<tr>
<th>Description</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>H-BEAM HEIGHT</td>
<td>200 - 3000 mm</td>
</tr>
<tr>
<td>WEB THICKNESS</td>
<td>8 - 60 mm</td>
</tr>
<tr>
<td>FLANGE WIDTH</td>
<td>200 - 1000 mm</td>
</tr>
<tr>
<td>FLANGE THICKNESS</td>
<td>8 - 80 mm</td>
</tr>
<tr>
<td>H-BEAM LENGTH</td>
<td>4000 mm - 14000 mm</td>
</tr>
<tr>
<td>Welded Box (WXH)</td>
<td>300mm - 1200mm x 300mm - 1200mm</td>
</tr>
<tr>
<td>Welded Box Length</td>
<td>15000mm</td>
</tr>
</tbody>
</table>
Brief overview of individual machines used for H-Beam manufacturing:

### H-BEAM ASSEMBLY LINE

#### CNC CUTTING MACHINE

Numerical Control Cutting Machine. It has in series nine straight-line cutting torches to cut along lengthwise direction. On the other side, it has two torches for profile cutting as well as one set for bevel operation.

#### DOUBLE CANTILEVER SUBMERGED ARC WELDING MACHINE

This machine adopts double arc and double wire submerged welding with high production quality. Machine is equipped with two groups of floating lead arc devices to get the welding wire in good position to welding seam. There are two groups of flux feeding devices and two groups of flux recycling devices.

#### FLANGE STRAIGHTENING MACHINE

This machine is widely used in welding works for the purpose of correction of the steel flange and straighten the flange plates. This machine is of high precision and efficiency and has the features of strong straightening force, large straightening range, high working efficiency and good product quality. There are hydraulic drift rollers in the front and back of the main machine.
BOX WELDING MACHINE

This machine is mainly composed of automatic moving gantry frame, automatic submerged welding machine, flux recycling system, guide arc device and marking device, wire dredge pin and so on. There equipped with two groups of longitudinal and transverse moving device that drive welding machine’s head; The welding arm will automatically track the welding line.

CNC DRILLING MACHINE FOR PLATES

**Technical Specifications:**

1. Size of Max. (L×W×T) - 2000×1600×100mm
2. Max. Drilling Diameter - 50mm
3. Range of spindle speed (Stepless speed) - 120 ~ 560 r/min
4. Spindle stroke, Max. - 240mm

FACE MILLING MACHINE

This line of face milling machines are provided with special milling power spindle high-strength welded body and elevating column, frequency conversion driving system and PLC process control system which enable automatic milling operation. Equipped with standard or profile milling cutters, this line of milling machines can be satisfied for all kinds of face milling processes.

CNC DRILLING MACHINE FOR BEAMS

**Technical Specifications:**

1. Size of Work Piece
   - Width - 600-3000mm
   - Height - 300-1000mm
   - Max. Length - 16000mm
2. Diameter of Drilling Hole - 12 ~ 50mm

WELDING SETS

10. Welding Rectifier/Transformer - 400 AMPS
11. MIG Welding Set - 400 AMPS

CRANES

12. E.O.T Crane - 50 MT (Lift 14.0m / 9.0m)
13. Mobile Crane (Hydra) - 25 MT
14. 15 MT
15. 10 MT
16. 5 MT

OTHERS

14. Radial Drill Machine - 65mm Dia
15. 50mm Dia
16. 32mm Dia
17. 40mm
18. 20mm
19. 25mm Ams.
20. 25mm X 3 met.
21. 10mm X 2 met.
22. 10 Bar
23. SHOT/SLAG/SAND
24. Zinc/Aluminium

PLANT AND MACHINERY

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Description of machine</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>CNC Profile Cutting Machine</td>
<td>50 MT/Day</td>
</tr>
<tr>
<td>2</td>
<td>Assembly Machine</td>
<td>Height 300mm to 3000mm</td>
</tr>
<tr>
<td>3</td>
<td>Double Cantilever Submerge Arc Welding Machine</td>
<td>50 MT/Day</td>
</tr>
<tr>
<td>4</td>
<td>Straightening Machine</td>
<td>Thickness 80mm</td>
</tr>
<tr>
<td>5</td>
<td>Box Girder SAW Welding Machine</td>
<td>250mm To 1200mm</td>
</tr>
<tr>
<td>6</td>
<td>Face Milling Machine</td>
<td>50 MT/Day</td>
</tr>
<tr>
<td>7</td>
<td>CNC Drilling Machine - Beams</td>
<td>50 MT/Day</td>
</tr>
<tr>
<td>8</td>
<td>CNC Drilling Machine - Plates</td>
<td>50 MT/Day</td>
</tr>
<tr>
<td>9</td>
<td>Submerge Arc Welding Machine (Manual)</td>
<td>1200 AMPS</td>
</tr>
<tr>
<td>10</td>
<td>Welding Rectifier/Transformer</td>
<td>400 AMPS</td>
</tr>
<tr>
<td>11</td>
<td>MIG Welding Set</td>
<td>400 AMPS</td>
</tr>
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<td>12</td>
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<td>25 MT</td>
</tr>
<tr>
<td>14</td>
<td>Radial Drill Machine</td>
<td>15 MT</td>
</tr>
<tr>
<td>15</td>
<td>Rolling Machine</td>
<td>10 MT</td>
</tr>
<tr>
<td>16</td>
<td>Stud Welding Machine</td>
<td>5 MT</td>
</tr>
<tr>
<td>17</td>
<td>Compressor</td>
<td>65mm Dia</td>
</tr>
<tr>
<td>18</td>
<td>Hydraulic Brake Press</td>
<td>50mm Dia</td>
</tr>
<tr>
<td>19</td>
<td>Blasting Equipment</td>
<td>32mm Dia</td>
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<tr>
<td>20</td>
<td>Airless Painting</td>
<td>40mm</td>
</tr>
<tr>
<td>21</td>
<td>Metalising</td>
<td>20mm</td>
</tr>
<tr>
<td>22</td>
<td>25mm X 3 met.</td>
<td>2500 Ams.</td>
</tr>
<tr>
<td>23</td>
<td>16mm X 3 met.</td>
<td>10 Bar</td>
</tr>
<tr>
<td>24</td>
<td>10mm X 2 met.</td>
<td>25mm X 3 met.</td>
</tr>
<tr>
<td>25</td>
<td>SHOT/SLAG/SAND</td>
<td>10mm X 2 met.</td>
</tr>
<tr>
<td>26</td>
<td>Zinc/Aluminium</td>
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</tr>
</tbody>
</table>