RANGE OF MACHINES AND SYSTEMS
FOR THE STEEL CONSTRUCTION INDUSTRY

BEAMS
The H-I-U etc. rolled steel sections are the supporting frame of all the modern civil and industrial building construction.

Our beam processing range includes:
CNC controlled beam drilling machines with one, two, three spindles or more each suitable for the processing of beams and shaped rolled sections with small and large dimensions.

A wide variety of beam sawing lines for operations that involve straight or mitered cutting.
Robotic beam coping machines to match all activities required in the structural fabricating industry like flange thinning, coping, splitting, weld preparations etc...

All these fabrication cells that include beam drilling and sawing lines, as well as beam drilling and coping lines are equipped with the most advanced automatic handling devices such as roller conveyors and transfer tables to suit any customer requirement with his production schedule based on erection sequences.
RANGE OF MACHINES AND SYSTEMS FOR THE STEEL CONSTRUCTION INDUSTRY
FICEP was founded in October 1930 in Gazzada Schianno, near Milan, as “Fabbrica Italiana Cesoie E Punzonatrici” - Italian Shears and Punching Machines Factory.

Close to our Customers, at every latitude
For over eight decades, the name Ficep has been synonymous with internationality and worldwide presence.
Our footprint continued to grow on an international scale, with a wide network of subsidiaries and agencies for sales, after-sales, training, and spare parts supply, covering all continents to ensure close proximity to our customers.

FICEP. A growing family
Since 1930 the management of the company is committed to ensure continuity of vision and values between the past, present and future of our company, and to maintain the most suitable organization to follow the markets evolution.
The main location in Gazzada Schianno (Varese, Italy), which comprises over 100,000 square meters, contains Corporate Headquarters, Research & Development, Academy of Technology, Showroom and the main after sales service departments. Additional plants nearby are focused on the assembly of the CNC lines for the processing of angles and plates, and of sawing equipments, as well as on the machining of small and medium size mechanical components thanks to an ultra modern machining center that works non-stop seven days a week.

At the main plant there are two machining divisions for processing welded frames for Ficep’s plate and forging machines and four assembly lines for Ficep drills, copers, forging presses and plate processing equipment.

The Ficep Manufacturing Process reduces or eliminates waste in the production process and follows lean principles which have a proven track record of operational and strategic success which ultimately translates into increased value for the end customer.

Ficep is the world leader in developing and supplying automatic, intelligent steel fabrication systems.

The continuous understanding of the customer’s processes allows us to keep on developing the best solutions currently available for the structural steel fabrication industry. We have a dedicated engineering department and sophisticated software in use to carry out challenging production capacity calculations based on each project’s requirements and layout proposals. This way we can study the optimal solution for each type of customer.
**Headquarters**

Ficep manufactures the machines and develops the production management software for structural steel fabricators. Today there is around 70000 m² of covered manufacturing facilities across 5 plants. The headquarters and main plant is located in Gazzada Schianno Italy with three additional plants nearby. There is also an additional plant in Bordeaux, France.

By investing in and owning the complete manufacturing process, Ficep is able to optimize its processes and offer extremely high quality equipment. It also enables Ficep to be more flexible and innovative in its approach enabling rapid prototyping and a faster response to variable market demands.
RANGE OF MACHINES AND SYSTEMS
FOR THE STEEL CONSTRUCTION INDUSTRY

- Automatic CNC punching, drilling, notching, shearing and sawing systems
- Automatic CNC drilling systems
- Automatic CNC drilling and sawing or coping systems
- Automatic CNC coping systems
- Automatic CNC band and disc sawing systems
- Surface treatment and shot blasting systems
- Automatic systems solutions for Intelligent Steel Fabrication
AUTOMATIC CNC SINGLE SPINDLE DRILLING LINE
EXCALIBUR & VICTORY

<table>
<thead>
<tr>
<th>Feature</th>
<th>VICTORY II - 1001 DE</th>
<th>EXCALIBUR - 1201 DE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Section size [min.mm]</td>
<td>50</td>
<td>50</td>
</tr>
<tr>
<td>Section size [max.mm]</td>
<td>1000</td>
<td>1200</td>
</tr>
<tr>
<td>Drilling heads [no.]</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Drilling tools per head [no.]</td>
<td>1</td>
<td>1 (6)</td>
</tr>
<tr>
<td>Drilling diameter [max.mm]</td>
<td>40</td>
<td>40</td>
</tr>
<tr>
<td>Spindle power [kW]</td>
<td>17</td>
<td>19</td>
</tr>
<tr>
<td>Spindle speed [max.RPM]</td>
<td>5000</td>
<td>5000</td>
</tr>
</tbody>
</table>

The auxiliary axis allows milling and scribing operations, as well as a group of holes, thanks to its extra stroke.

Automatic tool changer with 6 positions

Device for the processing of plates

Laser measuring systems and a firm clamping device
AUTOMATIC CNC MONOSPINDLE DRILLING LINE - ORIENT
### AUTOMATIC CNC MONOSPINDLE DRILLING LINE ORIENT

<table>
<thead>
<tr>
<th></th>
<th>601 DD</th>
<th>1201 DD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Section size [min.mm]</td>
<td>80x10</td>
<td>80x10</td>
</tr>
<tr>
<td>Section size [max.mm]</td>
<td>610x305</td>
<td>1200x610</td>
</tr>
<tr>
<td>Drilling heads [no.]</td>
<td>1 (2)</td>
<td>1 (2)</td>
</tr>
<tr>
<td>Drilling tools per head [no.]</td>
<td>6 (12)</td>
<td>6 (12)</td>
</tr>
<tr>
<td>Drilling diameter [max.mm]</td>
<td>40</td>
<td>40</td>
</tr>
<tr>
<td>Spindle power [kW]</td>
<td>17</td>
<td>17</td>
</tr>
<tr>
<td>Spindle speed [max.RPM]</td>
<td>5000</td>
<td>5000</td>
</tr>
<tr>
<td>Machine weight [kg]</td>
<td>10000</td>
<td>12000</td>
</tr>
</tbody>
</table>

Orient configured with second drill head

Orient rotating drill head

6 positions tool changer
Orient - Drill line combined with coping robot
Second pincher for reduced overall dimensions

Second drill head with automatic tool changer

<table>
<thead>
<tr>
<th>DRILLING &amp; BAND SAWING - ORIENT</th>
<th>601 DDB</th>
<th>1001 DDB</th>
<th>1101 DDB</th>
<th>1201 DDB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Section size at 90° [min.mm]</td>
<td>80x10</td>
<td>80x10</td>
<td>80x10</td>
<td>80x10</td>
</tr>
<tr>
<td>Section size at 90° [max.mm]</td>
<td>610x305</td>
<td>1015x450</td>
<td>1115x500</td>
<td>1220x610</td>
</tr>
<tr>
<td>Motor power [kW]</td>
<td>9</td>
<td>9</td>
<td>15</td>
<td>15</td>
</tr>
<tr>
<td>Band saw blade speed [max.mt/min]</td>
<td>150</td>
<td>170</td>
<td>170</td>
<td>170</td>
</tr>
<tr>
<td>Band saw blade size [mm]</td>
<td>41x1.3x6700</td>
<td>41x1.3x7880</td>
<td>54x1.6x9920</td>
<td>67x1.6x10500</td>
</tr>
<tr>
<td>Machine weight [kg]</td>
<td>13700</td>
<td>18000</td>
<td>23500</td>
<td>24600</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DRILLING &amp; COPING - ORIENT</th>
<th>602 DDRC</th>
<th>1202 DDRC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oxy-fuel torch [no.]</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Plasma torch [no.]</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Machine weight [kg]</td>
<td>17000</td>
<td>19000</td>
</tr>
</tbody>
</table>
AUTOMATIC CNC MULTISPINDLE DRILLING LINE - VANGUARD
Vertical hold downs

Underside web scribing device

**AUTOMATIC CNC MULTISPINDLE DRILLING LINE VANGUARD**

<table>
<thead>
<tr>
<th></th>
<th>453 DDV</th>
<th>603 DDV</th>
<th>1003 DDV</th>
<th>1103 DDV</th>
<th>1203 DDV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Section size [min.mm]</td>
<td>63x10</td>
<td>80x10</td>
<td>80x10</td>
<td>80x10</td>
<td>80x10</td>
</tr>
<tr>
<td>Section size [max.mm]</td>
<td>450x450</td>
<td>610x305</td>
<td>1015x450</td>
<td>1115x500</td>
<td>1220x610</td>
</tr>
<tr>
<td>Drilling heads [no.]</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Drilling tools per head [no.]</td>
<td>6</td>
<td>6</td>
<td>6</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>Drilling diameter [max.mm]</td>
<td>40</td>
<td>40</td>
<td>40</td>
<td>40</td>
<td>40</td>
</tr>
<tr>
<td>Spindle power [kW]</td>
<td>17</td>
<td>17</td>
<td>17</td>
<td>17</td>
<td>17</td>
</tr>
<tr>
<td>Spindle speed [max.RPM]</td>
<td>5000</td>
<td>5000</td>
<td>5000</td>
<td>5000</td>
<td>5000</td>
</tr>
<tr>
<td>Machine weight [kg]</td>
<td>8500</td>
<td>9500</td>
<td>9500</td>
<td>10000</td>
<td>10000</td>
</tr>
</tbody>
</table>
Vanguard - Drill line combined with band sawing line
### DRILLING & BAND SAWING - VANGUARD

<table>
<thead>
<tr>
<th></th>
<th>453 DDVB</th>
<th>603 DDVB</th>
<th>1003 DDVB</th>
<th>1103 DDVB</th>
<th>1203 DDVB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Section size at 90° [min.mm]</td>
<td>60x60</td>
<td>80x10</td>
<td>80x10</td>
<td>80x10</td>
<td>80x10</td>
</tr>
<tr>
<td>Section size at 90° [max.mm]</td>
<td>450x450</td>
<td>610x305</td>
<td>1015x450</td>
<td>1115x500</td>
<td>1220x610</td>
</tr>
<tr>
<td>Motor power [kW]</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>15</td>
<td>15</td>
</tr>
<tr>
<td>Band saw blade speed [max.mt/min]</td>
<td>150</td>
<td>150</td>
<td>170</td>
<td>170</td>
<td>170</td>
</tr>
<tr>
<td>Band saw blade size [mm]</td>
<td>41x1.3x6700</td>
<td>41x1.3x6700</td>
<td>41x1.3x7880</td>
<td>54x1.6x9920</td>
<td>67x1.6x10500</td>
</tr>
<tr>
<td>Machine weight [kg]</td>
<td>11600</td>
<td>12600</td>
<td>15500</td>
<td>21500</td>
<td>22600</td>
</tr>
</tbody>
</table>

### DRILLING & COPING - VANGUARD

<table>
<thead>
<tr>
<th></th>
<th>604 DDVFRC</th>
<th>1204 DDVFRC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oxy-fuel torch [no.]</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Plasma torch [no.]</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Machine weight [kg]</td>
<td>18500</td>
<td>19000</td>
</tr>
</tbody>
</table>
AUTOMATIC CNC MULTISPINDLE DRILLING LINE - LIBERTY
**Automatic material handling system**

<table>
<thead>
<tr>
<th>AUTOMATIC CNC MONOSPINDLE DRILLING LINE LIBERTY</th>
<th>453 DDE</th>
<th>603 DDE</th>
<th>1003 DDE</th>
<th>1103 DDE</th>
<th>1203 DDE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Section size [min.mm]</td>
<td>63x10</td>
<td>80x10</td>
<td>80x10</td>
<td>80x10</td>
<td>80x10</td>
</tr>
<tr>
<td>Section size [max.mm]</td>
<td>450x450</td>
<td>610x305</td>
<td>1015x450</td>
<td>1115x500</td>
<td>1220x610</td>
</tr>
<tr>
<td>Drilling heads [no.]</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Drilling tools per head [no.]</td>
<td>6</td>
<td>6</td>
<td>6</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>Drilling diameter [max.mm]</td>
<td>40</td>
<td>40</td>
<td>40</td>
<td>40</td>
<td>40</td>
</tr>
<tr>
<td>Spindle power [kW]</td>
<td>31</td>
<td>31</td>
<td>31</td>
<td>31</td>
<td>31</td>
</tr>
<tr>
<td>Spindle speed [max.RPM]</td>
<td>5000</td>
<td>5000</td>
<td>5000</td>
<td>5000</td>
<td>5000</td>
</tr>
<tr>
<td>Machine weight [kg]</td>
<td>8500</td>
<td>9500</td>
<td>9500</td>
<td>10000</td>
<td>10000</td>
</tr>
</tbody>
</table>
Liberty - Drill line combined with band sawing line
**DRILLING & BAND SAWING - LIBERTY**

<table>
<thead>
<tr>
<th></th>
<th>453 DDEB</th>
<th>603 DDEB</th>
<th>1003 DDEB</th>
<th>1103 DDEB</th>
<th>1203 DDEB</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Section size at 90° [min.mm]</strong></td>
<td>60x60</td>
<td>80x10</td>
<td>80x10</td>
<td>80x10</td>
<td>80x10</td>
</tr>
<tr>
<td><strong>Section size at 90° [max.mm]</strong></td>
<td>450x450</td>
<td>610x305</td>
<td>1015x450</td>
<td>1115x500</td>
<td>1220x610</td>
</tr>
<tr>
<td><strong>Motor power [kW]</strong></td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>15</td>
<td>15</td>
</tr>
<tr>
<td><strong>Band saw blade speed [max.mt/min]</strong></td>
<td>150</td>
<td>150</td>
<td>170</td>
<td>170</td>
<td>170</td>
</tr>
<tr>
<td><strong>Band saw blade size [mm]</strong></td>
<td>41x1.3x6700</td>
<td>41x1.3x6700</td>
<td>41x1.3x7880</td>
<td>54x1.6x9920</td>
<td>67x1.6x10500</td>
</tr>
<tr>
<td><strong>Machine weight [kg]</strong></td>
<td>11600</td>
<td>12600</td>
<td>15500</td>
<td>21500</td>
<td>22600</td>
</tr>
</tbody>
</table>

**DRILLING & COPING - LIBERTY**

<table>
<thead>
<tr>
<th></th>
<th>604 DDEFRC</th>
<th>1204 DDEFRC</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Oxy-fuel torch [no.]</strong></td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td><strong>Plasma torch [no.]</strong></td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td><strong>Machine weight [kg]</strong></td>
<td>17000</td>
<td>18500</td>
</tr>
</tbody>
</table>
AUTOMATIC CNC MULTISPINDLE DRILLING LINE - VALIANT
### AUTOMATIC CNC MULTISPINDLE DRILLING LINE – VALIANT

<table>
<thead>
<tr>
<th></th>
<th>453 V</th>
<th>603 V</th>
<th>1003 V</th>
<th>1103 V</th>
<th>1203 V</th>
<th>2003/6 V</th>
<th>2003/8 V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Section size [min.mm]</td>
<td>63x10</td>
<td>80x10</td>
<td>80x10</td>
<td>80x10</td>
<td>80x10</td>
<td>80x10</td>
<td>200x75</td>
</tr>
<tr>
<td>Section size [max.mm]</td>
<td>450x450</td>
<td>610x305</td>
<td>1015x450</td>
<td>1115x500</td>
<td>1220x610</td>
<td>2030x610</td>
<td>2030x810</td>
</tr>
<tr>
<td>Drilling heads [no.]</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Drilling diameter [max mm]</td>
<td>40</td>
<td>40</td>
<td>40</td>
<td>40</td>
<td>40</td>
<td>40</td>
<td>40</td>
</tr>
<tr>
<td>Spindle power [kW]</td>
<td>31</td>
<td>31</td>
<td>31</td>
<td>31</td>
<td>31</td>
<td>31</td>
<td>31</td>
</tr>
<tr>
<td>Spindle speed [max.RPM]</td>
<td>5000</td>
<td>5000</td>
<td>5000</td>
<td>5000</td>
<td>5000</td>
<td>5000</td>
<td>5000</td>
</tr>
<tr>
<td>Spindle sub-axis stroke [mm]</td>
<td>300</td>
<td>300</td>
<td>300</td>
<td>300</td>
<td>300</td>
<td>300</td>
<td>300</td>
</tr>
<tr>
<td>Machine weight [kg]</td>
<td>10000</td>
<td>11000</td>
<td>11000</td>
<td>11500</td>
<td>11500</td>
<td>14500</td>
<td>15000</td>
</tr>
</tbody>
</table>
Valiant - Drill line combined with band sawing line
# Automatic system layouts

![Image of automatic system layouts]

## DRILLING & BAND SAWING VALIANT

<table>
<thead>
<tr>
<th>Model</th>
<th>453 VB</th>
<th>603 VB</th>
<th>1003 VB</th>
<th>1103 VB</th>
<th>1203 VB</th>
<th>2003/6 VB</th>
<th>2003/8 VB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Section size at 90° [min.mm]</td>
<td>60x60</td>
<td>80x10</td>
<td>80x10</td>
<td>80x10</td>
<td>80x10</td>
<td>200x10</td>
<td>200x10</td>
</tr>
<tr>
<td>Section size at 90° [max.mm]</td>
<td>450x450</td>
<td>610x310</td>
<td>1015x450</td>
<td>1100x510</td>
<td>1250x610</td>
<td>2000x610</td>
<td>2000x610</td>
</tr>
<tr>
<td>Motor power [kW]</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>15</td>
<td>15</td>
<td>18</td>
<td>19</td>
</tr>
<tr>
<td>Band saw blade speed [max.mt/min]</td>
<td>150</td>
<td>150</td>
<td>170</td>
<td>170</td>
<td>170</td>
<td>170</td>
<td>170</td>
</tr>
<tr>
<td>Band saw blade size [mm]</td>
<td>41x1.3x6700</td>
<td>41x1.3x6700</td>
<td>41x1.3x7880</td>
<td>54x1.6x9920</td>
<td>67x1.6x10500</td>
<td>67x1.6x12100</td>
<td>67x1.6x12100</td>
</tr>
<tr>
<td>Machine weight [kg]</td>
<td>13100</td>
<td>14100</td>
<td>17000</td>
<td>23000</td>
<td>24100</td>
<td>31000</td>
<td>32000</td>
</tr>
</tbody>
</table>

## DRILLING & COPING VALIANT

<table>
<thead>
<tr>
<th>Model</th>
<th>604 VFRC</th>
<th>1204 VFRC</th>
<th>2004/6 VFRC</th>
<th>2004/8 VFRC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oxy-fuel torch [no.]</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Plasma torch [no.]</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Machine weight [kg]</td>
<td>20000</td>
<td>20500</td>
<td>21500</td>
<td>22000</td>
</tr>
</tbody>
</table>
AUTOMATIC GANTRY CNC MULTISPINDLE DRILLING LINE - ENTERPRISE
<table>
<thead>
<tr>
<th>AUTOMATIC GANTRY CNC DRILLING LINE - ENTERPRISE</th>
<th>2003/8 GDD</th>
<th>2503/10 GDD</th>
<th>3003/12 GDD</th>
<th>3003/18 GDD</th>
<th>4003/12 GDD</th>
<th>4003/18 GDD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Section size [min.mm]</td>
<td>200x100</td>
<td>200x100</td>
<td>200x100</td>
<td>200x100</td>
<td>200x100</td>
<td>200x100</td>
</tr>
<tr>
<td>Section size [max.mm]</td>
<td>2000x800</td>
<td>2500x1000</td>
<td>3000x1200</td>
<td>3000x1800</td>
<td>4000x1200</td>
<td>4000x1800</td>
</tr>
<tr>
<td>Drilling heads [no.]</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Drilling tools per head [no.]</td>
<td>6</td>
<td>6</td>
<td>6</td>
<td>6</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>Drilling diameter [max.mm]</td>
<td>40</td>
<td>40</td>
<td>40</td>
<td>40</td>
<td>40</td>
<td>40</td>
</tr>
<tr>
<td>Spindle power [kW]</td>
<td>31</td>
<td>31</td>
<td>31</td>
<td>31</td>
<td>31</td>
<td>31</td>
</tr>
<tr>
<td>Spindle speed [max.RPM]</td>
<td>5000</td>
<td>5000</td>
<td>5000</td>
<td>5000</td>
<td>5000</td>
<td>5000</td>
</tr>
<tr>
<td>Spindle sub-axis stroke [mm]</td>
<td>250</td>
<td>250</td>
<td>250</td>
<td>200</td>
<td>250</td>
<td>200</td>
</tr>
<tr>
<td>Machine weight [kg]</td>
<td>17000</td>
<td>17500</td>
<td>18000</td>
<td>22000</td>
<td>18500</td>
<td>23000</td>
</tr>
</tbody>
</table>

Horizontal spindle with automatic tool changer

Mitering head for edge milling
AUTOMATIC CNC THERMAL COPING ROBOT - FLEX
<table>
<thead>
<tr>
<th>AUTOMATIC CNC THERMAL COPING ROBOT - FLEX</th>
<th>1201FRC</th>
<th>2001FRC</th>
<th>2501FRC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Section size [min. mm]</td>
<td>80x42</td>
<td>200x75</td>
<td>300x75</td>
</tr>
<tr>
<td>Section size [max. mm]</td>
<td>1220x600</td>
<td>2000x815</td>
<td>2540x815</td>
</tr>
<tr>
<td>Oxy-fuel torch [no.]</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Plasma torch [no.]</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>
AUTOMATIC 9 AXIS CNC THERMAL COPING ROBOT - PLANETARIUM
# AUTOMATIC 9 AXIS CNC THERMAL COPING ROBOT PLANETARIUM

<table>
<thead>
<tr>
<th></th>
<th>601 RAZ</th>
<th>1201 RAZ</th>
</tr>
</thead>
<tbody>
<tr>
<td>Section size [min. mm]</td>
<td>80x42</td>
<td>80x42</td>
</tr>
<tr>
<td>Section size [max. mm]</td>
<td>610x300</td>
<td>1220x600</td>
</tr>
<tr>
<td>Plasma torch [no.]</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>
## AUTOMATIC CNC BAND SAWING LINE – KATANA K60L K100L K100EL K115L K126L K206L K208L K258L

<table>
<thead>
<tr>
<th>Parameter</th>
<th>K60L</th>
<th>K100L</th>
<th>K100EL</th>
<th>K115L</th>
<th>K126L</th>
<th>K206L</th>
<th>K208L</th>
<th>K258L</th>
</tr>
</thead>
<tbody>
<tr>
<td>Section size at 90° [min mm]</td>
<td>60x60</td>
<td>80x10</td>
<td>80x10</td>
<td>80x10</td>
<td>80x10</td>
<td>200x10</td>
<td>200x10</td>
<td>200x10</td>
</tr>
<tr>
<td>Section size at 90° [max mm]</td>
<td>610x450</td>
<td>1015x450</td>
<td>1015x450</td>
<td>1100x510</td>
<td>1250x610</td>
<td>2000x610</td>
<td>2000x800</td>
<td>2540x815</td>
</tr>
<tr>
<td>Section size at 45° [max mm]</td>
<td>400x450</td>
<td>620x450</td>
<td>685x450</td>
<td>710x510</td>
<td>810x610</td>
<td>1320x600</td>
<td>1320x800</td>
<td>1320x815</td>
</tr>
<tr>
<td>Section size at 60° [max mm]</td>
<td>250x450</td>
<td>420x420</td>
<td>450x450</td>
<td>460x510</td>
<td>510x610</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Motor power [kW]</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>15</td>
<td>15</td>
<td>18</td>
<td>18</td>
<td>18</td>
</tr>
<tr>
<td>Band saw blade speed [max mt/min]</td>
<td>150</td>
<td>170</td>
<td>170</td>
<td>170</td>
<td>170</td>
<td>170</td>
<td>170</td>
<td>170</td>
</tr>
<tr>
<td>Band saw blade size [mm]</td>
<td>41x1.3x6700</td>
<td>41x1.3x7880</td>
<td>41x1.3x7250</td>
<td>54x1.6x9920</td>
<td>67x1.6x10500</td>
<td>67x1.6x12100</td>
<td>67x1.6x12930</td>
<td>67x1.6x13930</td>
</tr>
<tr>
<td>Machine weight [kg]</td>
<td>3100</td>
<td>6000</td>
<td>5000</td>
<td>11500</td>
<td>12600</td>
<td>16500</td>
<td>17500</td>
<td>19000</td>
</tr>
</tbody>
</table>
SHOT BLASTING SYSTEMS

Systems HD
# SHOT BLASTING SYSTEMS SMARTLINE and SYSTEM G

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Machine entrance size [mm]</td>
<td>1500x800</td>
<td>1600x550</td>
<td>2150x150</td>
<td>2650x550</td>
<td>2650x550</td>
<td>3150x550</td>
<td>3150x550</td>
</tr>
<tr>
<td>Wheels [no.]</td>
<td>4</td>
<td>4</td>
<td>6</td>
<td>6</td>
<td>8</td>
<td>6</td>
<td>8</td>
</tr>
<tr>
<td>Installed driving capacity [max.kW]</td>
<td>11</td>
<td>11</td>
<td>15</td>
<td>18.5</td>
<td>15</td>
<td>18.5</td>
<td>15</td>
</tr>
<tr>
<td>Turbines diameter [mm]</td>
<td>380</td>
<td>380</td>
<td>380</td>
<td>380</td>
<td>380</td>
<td>380</td>
<td>380</td>
</tr>
<tr>
<td>Blades width [mm]</td>
<td>65</td>
<td>65</td>
<td>65</td>
<td>65</td>
<td>65</td>
<td>65</td>
<td>65</td>
</tr>
<tr>
<td>Plates width [mm]</td>
<td>1500</td>
<td>1500</td>
<td>2000</td>
<td>2500</td>
<td>2500</td>
<td>3000</td>
<td>3000</td>
</tr>
<tr>
<td>Beam size [max]</td>
<td>HEB1000</td>
<td>HEB1000</td>
<td>HEB1000</td>
<td>HEB1000</td>
<td>HEB1000</td>
<td>HEB1000</td>
<td>HEB1000</td>
</tr>
</tbody>
</table>

# SHOT BLASTING SYSTEMS HD

<table>
<thead>
<tr>
<th></th>
<th>RB 1500HD 4/18,5</th>
<th>RB 2500HD 8/18,5</th>
<th>RB 3000HD 8/18,5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Machine entrance size [mm]</td>
<td>1600x550</td>
<td>2650x550</td>
<td>3150x550</td>
</tr>
<tr>
<td>Wheels [no.]</td>
<td>4</td>
<td>8</td>
<td>8</td>
</tr>
<tr>
<td>Installed driving capacity [max.kW]</td>
<td>18.5</td>
<td>30</td>
<td>30</td>
</tr>
<tr>
<td>Turbines diameter [mm]</td>
<td>380</td>
<td>380</td>
<td>380</td>
</tr>
<tr>
<td>Blades width [mm]</td>
<td>65</td>
<td>65</td>
<td>65</td>
</tr>
<tr>
<td>Plates width [mm]</td>
<td>1500</td>
<td>2500</td>
<td>3000</td>
</tr>
<tr>
<td>Beam size [max]</td>
<td>HEB1000</td>
<td>HEB1000</td>
<td>HEB1000</td>
</tr>
</tbody>
</table>
The secret of excellence is the ability to maintain it over time. For our clients, after-sales service, training and technical assistance are at least as important as the products we produce in order to keep a high level of availability during the product life cycle.

Ficep Customer Service is managed by an accurately trained team to respond in real time to requests from all over the world.

Professionalism, know-how and communication skills are essential requirements for all the people involved in the technical assistance and after-sales service.

With our 87 years of experience in the field, we can rely on a team of professional technicians specialized in recognizing, analysing and diagnosing a technical and/or application issue remotely thanks to their special training.

Support is offered through our Help-Line Service, active from Monday to Friday, and through Ficep Tele-Service, a telemetric assistance used to resolve software related or configuration issues, which enables anytime the remote interaction with the machine.

For more complex technical situations, our proximity to the client is guaranteed by a worldwide network of engineers and specialized technicians, ready to intervene on-site, to analyse each situation and define the most appropriate solution.

Visit our website www.ficepgroup.com for more information about our Customer Service, Spare Parts and Consumables.
CUSTOMER SERVICE

- START UP
- TRAINING SESSION AT FICEP SPA
- INSTALLATION AND ASSEMBLY AT CUSTOMER SITE
- TRIAL TEST
- INTEGRATION WITH CUSTOMERS MANAGEMENT SYSTEM

- HELP LINE
- PROBLEM DETECTION
- TELE-ASSISTANCE AND SOFTWARE UPDATE
- SPARE PARTS DETECTION
- ON-SITE TECHNICAL VISITS

- MAINTENANCE SERVICE
- PREVENTATIVE MAINTENANCE
- EXTRA-ORDINARY MAINTENANCE

- SPARE PARTS
- SUPPLY OF SPARE PARTS
- TOOL & CONSUMABLES
Management Software for Steel Fabrication Industry

Steel Projects PLM Solution

- Project Management
- Production Management
- Profile Nesting
- Plate Nesting
- Stock & Purchasing
- Time saving programming & executing
- Bars & plates optimization
- High productivity and flexibility

CNC Automation
Shipping
Ficep is the world leading supplier of fully automatic systems for structural steel industry. With a dedicated department for Automatic systems in the headquarters, Italy, we have designed and installed many automatic lines in different sizes all over the world.

We have sophisticated software in use to carry out challenging production capacity calculations based on each projects requirements and layout proposals. This way we can study the optimal solution for each type of customer.
RANGE OF MACHINES AND SYSTEMS
FOR THE STEEL CONSTRUCTION INDUSTRY

EXCALIBUR-VICTORY
Mono spindle CNC
Horizontal Drilling Systems

ORIENT range
Mono spindle CNC
Profile Processing Center

VANGUARD range
Three spindle CNC
Profile Processing Lines

LIBERTY range
Three spindle CNC
Profile Processing Lines

EXCALIBUR-EXCELLENT
CNC Punching, Drilling,
Marking and Shearing Systems

EXCELLENT range
CNC Punching, Drilling,
Marking and Shearing Systems

Hermes range
CNC Punching, Drilling,
Marking and Shearing Systems

LIBERTY range
Super Performance
CNC Punching and Shearing Lines

ANGULAR range
CNC Punching, Drilling,
Marking and Shearing Systems

XP range
High performance CNC Punching and
Shearing Lines

HP range
CNC Punching, Drilling, Notching
Marking and Shearing Systems

KRONOS range
CNC High definition
Plasma and Oxy Cutting Systems

GEMINI range
CNC Drilling, Milling
and Thermal Cutting Systems

SP range
Super Performance
CNC Punching and Shearing Lines

TIPO D range
CNC Punching, Drilling,
and Cutting Lines

P range
CNC Punching, Drilling,
and Marking Systems

PLATE PROCESSING

BEAM PROCESSING
**ENTERPRISE range**
CNC Gantry Drilling Lines

**FLEX range**
CNC Coping Systems

**PLANETARIUM range**
Automatic 9 axis CNC thermal coping robot

**KATANA range**
Band Sawing Systems

**VALIANT range**
Three spindle CNC Profile Processing Lines

**TIPO B range**
CNC Punching, Marking and Thermal Cutting Systems

**TIPO C range**
CNC Punching, Drilling and Thermal Cutting Systems

**TIPO G range**
CNC Drilling, Milling and Thermal Cutting Systems

**RAPID range**
CNC Drilling, Marking and Cutting Systems

**SURFACE TREATMENT**
Shot blasting System
Surface treatment systems