Automatic tool changer with 6 positions
Device for the processing of plates

TECHNICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th>MODEL</th>
<th>601DEE</th>
<th>1201DE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Profile size</td>
<td>mm.max</td>
<td>610</td>
</tr>
<tr>
<td></td>
<td>mm.min</td>
<td>50</td>
</tr>
<tr>
<td>Drilling spindle</td>
<td>no.</td>
<td>1</td>
</tr>
<tr>
<td>Spindle type</td>
<td>direct drive</td>
<td></td>
</tr>
<tr>
<td>Spindle power</td>
<td>kW</td>
<td>7.5</td>
</tr>
<tr>
<td>Spindle RPM</td>
<td>180-1500</td>
<td></td>
</tr>
<tr>
<td>Drilling diameter</td>
<td>mm.max</td>
<td>40</td>
</tr>
<tr>
<td>Tool changer</td>
<td>no.</td>
<td>6 (manual)</td>
</tr>
</tbody>
</table>

Please review FICEP's terms and conditions of sale and its machine tolerances that appear in its transactional documents which will be furnished upon request. All the specifications on this catalogue are mere indicative and not binding for the manufacturer. The above mentioned data refer to R=45 kg/mmq material. Dimensional tolerances of the raw sections are to UNI 5783-5784/73 standards.

These are only few of the great advantages that this system can offer!

EXCALIBUR
Automatic CNC monospindle drilling lines for profiles

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FICEP Su America Service
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FICEP Hong Kong
FICEP Guangzhou
FICEP Austria Service
FICEP India Service
FICEP Korea Forge Service
EXCALIBUR
Automatic CNC monospindle drilling lines for profiles

This machine is a classic! FICEP has manufactured this machine for more than thirty years and it quickly became one of the benchmarks for every machine tool manufacturer. Excalibur is the first CNC controlled horizontal monospindle drilling line to process profiles for the steel construction industry. Thanks to its features the Excalibur is a versatile and brilliant solution to small and mid-size companies.

Pegaso is the new generation CNC for Ficep machines. PC, CNC and PLC are all integrated on a single board, to have the maximum reliability. Pegaso is based on field bus technology: CanBus and EtherCAT, with up to 32 axes controlled.

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SAFETY

FICEP takes care of the ergonomic and safety details during the design activities. The machines comply with the CE regulations and each layout can be designed to suit the customer, detailing the required functionality and safety requirements. Safety is no detriment to production with this solution. On the contrary. Well thought out and engineered safety solutions pressed FICEP engineers to think about functionality and capability to reduce or remove the need for intervention by the operator over the machine cycle. The consequences of this approach, is reflected in a much reduced change from cycle to cycle of the machine performance, giving higher throughput on short and long runs.

The powerful direct drive spindle ensures high drilling performances. Its heavy duty features and the most advanced technologies make it extremely reliable and efficient.

The drilling unit main cabin slides along the loading table on a robust support, which is equipped with a rack that through a toothed pinion guarantees fast and safe machine movement.

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

Thanks to top and front side laser measuring systems and to a firm clamping device, high accuracy for automatic data input and for processing is assured.

A remote control is supplied to allow the operator to monitor the machine and to prepare the profiles while carrying out other operations, without stopping the line.