ADAPTED SOLUTION

The CUPRA model is equipped as standard with an automatic double table loading system. Optionally a wide variety of accessories may be incorporated, as well as complete automation solutions.

Automatic loading, separation and stack storing system of parts:
- Maximum autonomy and flexibility in production
- Reduction in production processes and manipulation
- Stacking and separation of finished parts
- More efficient use of space

Automatic sheet storage, loading, separation and lineal stacking system of parts:
- Optimum raw material management
- Maximum autonomy and flexibility in production
- Reduction in production processes and manipulation
- Complete solution for stacking and separation of finished parts

DANOBAT SHEET METAL TECHNOLOGIES

- PUNCHING
- LASER
- PUNCHING + SHEARING
- PUNCHING + LASER
- BENDING

CUPRA

PUNCHING + SHEARING

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DANOBAT, in its aim to reach excellence in productivity, has gone a step forward with the development of its new punch+shear combination machine.

**CUPRA** is the result of integrating a fully servo-electric right angle shear to our top range punching machine.

This integration of punching and shearing processes permits to start with raw material and obtain finished part in a single system, thus reducing maturation period and improving material flow.

**PUNCHING TECHNOLOGY**

The CUPRA model is equipped with a 30 Tn servo-electric motor, achieving very high punching rates.

The machine incorporates the EASY TURRET system by DANOBAT, which improves access and reduces tool change time. Furthermore, each tool in the multi-tool becomes indexable.

**SHEARING TECHNOLOGY**

The right angle shear is driven by a servo-electric motor, which reaches high cutting rates.

It is perfectly complemented by the EASY TURRET system and all other benefits included in DANOBAT punching machines, which makes CUPRA the perfect solution to meet the most demanding production requirements.

Thanks to the automatic blade clearance regulation, set-up times are minimized.

**EFFICIENT TECHNOLOGY**

Thanks to the SAVE ENERGY system developed by DANOBAT, up to 60% power consumption reductions are achieved.

The CUPRA model also enables greater material use due to a better scrap management.

**POWER OF CONSUMPTION OF HYDRAULIC VS ELECTRIC**

**TECHNICAL SPECIFICATIONS**

<table>
<thead>
<tr>
<th>FEATURES</th>
<th>CUPRA 30</th>
<th>CUPRA 40</th>
</tr>
</thead>
<tbody>
<tr>
<td>Punching rate (marks/minute)</td>
<td>1600</td>
<td>1600</td>
</tr>
<tr>
<td>Maximum punching material thickness (mm)</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>Maximum shearing material thickness (mm)</td>
<td>3.5 - 5</td>
<td>3.5 - 5</td>
</tr>
<tr>
<td>Speed of X axis movement (m/min)</td>
<td>120</td>
<td>120</td>
</tr>
<tr>
<td>Speed of Y axis movement (m/min)</td>
<td>80</td>
<td>80</td>
</tr>
<tr>
<td>Maximum punching force (KN)</td>
<td>300</td>
<td>300</td>
</tr>
<tr>
<td>Maximum shearing force (KN)</td>
<td>150</td>
<td>150</td>
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<td>3.5 - 5</td>
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</tr>
<tr>
<td>Blade length in X (mm)</td>
<td>800</td>
<td>800</td>
</tr>
<tr>
<td>Blade length in Y (mm)</td>
<td>1500</td>
<td>1500</td>
</tr>
<tr>
<td>Drive</td>
<td>Servo-Electric</td>
<td>Servo-Electric</td>
</tr>
</tbody>
</table>

* Possibility of infinite cutting in X axis through semicuts.

**INTELLIGENCE AT CUSTOMER SERVICE**

The application of ergonomy in machine design has also meant an advance in maintenance thanks to the incorporation of numerous mobile elements and the improvement in the access to key points.

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To allow easier maintenance for the user, the control incorporates an interactive assistance module.
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<th>Feature</th>
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<th>CUPRA 40</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working area without reposition</td>
<td>1500x3000</td>
<td>1500x4000</td>
</tr>
<tr>
<td>Working area with reposition</td>
<td>1500x6000</td>
<td>1500x8000</td>
</tr>
<tr>
<td>Hit rate in marking</td>
<td>1600</td>
<td>1600</td>
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<tr>
<td>Hit rate at 25,4 mm centers</td>
<td>480</td>
<td>440</td>
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<tr>
<td>Automatic sheet clamp</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>Maximum punching material thickness</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>Shearing material thickness</td>
<td>4,5-6</td>
<td></td>
</tr>
<tr>
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