HIGH PERFORMANCE EQUIPMENT FOR AUTOMATIC AND FULLY PROGRAMMABLE LEATHER PERFORATION WITH 2 INDEPENDENT MULTI-TOOLS HEADS

Automatic centering system complete with UHD cameras and colour digital projector to automatically locate the leather panels and to perforate the panels in the exact position.

Integrated vacuum system with a high efficiency and low consumption pump controlled by inverter.

Working area closed with a protection cover to ensure maximum safety conditions and reduced noise.
The heads work independently on two or more smaller panels.
The heads work simultaneously on the same larger panel.
SMART AND HIGH PERFORMANCE PERFORATION HEAD

DIRECTIONAL PUNCHES

MULTI-PIN
directional multi-pin punches for all regular perforation pattern with customizable repeating unit.

SHAPED
directional punch for geometric shapes.
ULTRA FAST PUNCHES
for holes from 0.8 to 2.0 mm.

5 ULTRA FAST CIRCULAR PERFORATING TOOLS WITH DIFFERENT DIAMETERS
COMPLETE, EASY AND FAST

PUNCHING

PICKING UP

NOT ONLY HOLES BUT ALSO FAST AND ACCURATE CUTTING

It’s also possible to install one G6X cutting head on the UPP making it suitable for small productions and sampling.

Available with electromechanical or pneumatic knife, the head is equipped with blade, pen, punch and three dies with different diameters to ensure a non-stop working even on elaborate design, with speed and accuracy unmatched in the market.
UPP technical sheet

- Automatic soundproof door for optimal work comfort (76 dB)
- Colour digital projector
- Automatic visual detection with 4 UHD cameras
- Chips tank
2 fully independent arms equipped with compact multi-tools heads (1 head on each arm) driven by 32 bits microprocessor.

**HEADS:**

**P5S:**
5 Ultra fast circular perforating tools

**P5O:**
- 5 Directional punches

**G6X cutting heads with 6 tools:**
- 1 Knife for fast cutting
- 1 Pen for the signature
- 1 Punch for the signature
- 3 Different diameter dies: from 0.5 to 12 mm

Movement on grinded precision guides and grinded re-circulating balls lead screws (ISO 5, max. error ±0.005mm). Brushless motors with digital closed-loop position control.

METI software procedures for a parallel management of real-time perforation, loading and optimization of perforation files from SQL/MDX archives, work time statistics, cutting order management.

Working area sectorized with 15 sections of 200x200 mm each singularly activated by dynamically controlled valves (DVC, patent) for the optimal hold of the leather on the perforating surface.

### Performances

<table>
<thead>
<tr>
<th><strong>Perfomance</strong></th>
<th><strong>Value</strong></th>
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</thead>
<tbody>
<tr>
<td>SPEED</td>
<td>max 1.2 m/sec</td>
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<tr>
<td>ACCELERATION</td>
<td>max 6G (60 m/sec²)</td>
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<tr>
<td>PERFORATION DIAMETER</td>
<td>from 0.8 mm to 2.0 mm</td>
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<tr>
<td>THICKNESS LEATHER</td>
<td>max 2.0 mm</td>
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<tr>
<td>PERFORATION SPEED</td>
<td>max 100 holes/sec</td>
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</tbody>
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### Model

<table>
<thead>
<tr>
<th><strong>Model</strong></th>
<th><strong>UPP</strong></th>
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<tbody>
<tr>
<td>HEADS</td>
<td>2</td>
</tr>
<tr>
<td>WORKING AREA</td>
<td>1000x600 mm</td>
</tr>
<tr>
<td>UHD CAMERAS</td>
<td>4</td>
</tr>
<tr>
<td>FULL COLOR PROJECTOR</td>
<td>1</td>
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</table>