A complete range of KOMBO plotters for automatic cutting and finishing specifically engineered to meet the new requirements in the digital printing, cardboard, sign and billboard industries. Resulting from more than 25 years of Italian manufacturing experience, and technological innovation, Elitron’s systems are equipped with multi-tool heads for cutting, milling, creasing and engraving. Suitable for both short and complex production runs, they meet market demands with maximum versatility whilst excelling in terms of productivity and automation. Only KOMBO systems can be equipped with the Seeker System™, an intelligent vision system which automatically recognises printed images. This exclusive Elitron patent significantly reduces production times and cuts the cost of the entire production process. Cutting-edge devices are activated automatically should there be any obstacle during the processing phase, in order to guarantee operator safety at all times.

---

**MAIN CHARACTERISTICS**

- Multi-tool head for cutting, creasing and milling materials up to 120 mm.
- Automatic tool presetting.
- Integrated, patented Seeker System™ to automatically recognise printed images and reference marks.
- Possibility to work different materials during the same session, without changing tools.
- Speed up to 102 m/min, acceleration 1.4 G.
- Video projection system to optimise material yield, and re-use otherwise waste materials.
- High precision movement mechanisms.
- Working area divided into 40 concentrated vacuum sectors, for maximum material adhesion on the working surface.
- Solid steel structure.

---

**KOMBO SERIES WITH SEEKER SYSTEM. SIMPLICITY AT A GLANCE.**

The KOMBO cutting system also comes in a conveyor version. This can be equipped with:
- feeding system for roll materials
- holding clamp to ensure precision advancement of even the most critical materials
- synchronized unloading table to facilitate the collection of finished materials

*Also available in the PLUS version, with higher performance motors*
Kombo SERIES. Freedom at work.

Machine structure.

Synonymous with reliability that lasts the test of time. The machine structure is made of a single block of solid steel. The strong gantry ensures stability during production, without flexing or vibrating. Design and technology 100% Made in Italy.

Vacuum table.

High-quality finish thanks to perfect material adhesion. The cutting area is divided into 40 sectors, automatically activated and deactivated where material is detected. The vacuum power is concentrated only where necessary.

Multi-tool head.

Maximum flexibility during production, using the multi-tool cutting head equipped with up to 5 tools simultaneously. Furthermore, the impressive software features allow different materials to be worked during the same production session.

Varying heights.

Fast and efficient response to customer job requests. Extremely versatile, and able to process materials up to 120 mm thick, using the quick tool setting function to set the material height.

Pre-setting.

Quick tool registration using the automatic pre-setting system.

Seeker System PRO.

Exclusive Elitron patent. Fully automatic system to recognise printed images wherever they are positioned on the working area.

Video Projection.

Yield optimisation using the video projection system to project digital dies onto the materials. Waste and cost reduction, with possibility to re-use otherwise waste materials.

High performance motors.

The PLUS version is the fastest, for high performance and increased productivity, at up to 102 m/min with 1.4 G acceleration.
Seeker System.
Cut processing times.

Innovative vision system, entirely designed, developed and patented by Elitron. It automatically identifies printed images, and recognises the location of the printing reference points on the materials, in order to completely automate the digital finishing process.

Seeker PRO increases productivity during every single working cycle.

The camera system with powerful image processing software automatically scans the working area, recognises printed images and loads the corresponding saved cutting files. Seeker PRO can process different materials simultaneously (PVC foam, vinyl, composite materials, etc.), without having to place the sheets in any particular position on the working area. The operator can therefore complete more orders and carry out preparatory activities, while the machine processes the current job.

Setup.

After selecting the image to be processed, the second camera installed on the cutting head searches and automatically detects the position of the printing reference points, verifies the alignment between the cutting path and the printed image and corrects any deformation and distortion.
**TOOLS. A HEAD OF VERSATILITY.**

A complete range of easily configurable tools depending on the material to be processed, with automatic pre-setting system.

- Cutting head with fixed or oscillating knife, electric and/or pneumatic
- 1 kW Electro spindle milling module with manual tool change or using pneumatic button (semi-automatic)
- 3 kW Electro spindle milling module with semi-automatic tool change
- 3 kW Electro spindle milling module with 4-position automatic tool change
- Creasing wheel kit with different diameters and profiles
- Kiss-cutting (half cut)
- V-cut, 45° knife (other cutting angles also available)
- Cut & Crease knife
- Circular knife
- Pen module
- Laser pointer

**MATERIALS. FLEXIBILITY TO SUPPORT YOU.**

Processes a wide range of materials with extreme precision.

- Forex
- Dibond
- PVC
- Plastics
- Films
- Re-board
- Paper and cardboard
- Corrugated cardboard
- Foams up to 120 mm
- ... and many more

**APPLICATIONS. MATERIAL TAKES SHAPE.**

No limits to your productivity. The extraordinary flexibility of the KOMBO range means you can satisfy a wide range of requests from your customers.

- Packaging
- POS displays
- Transparent containers
- Advertising banners
- Folders
- Binders
- Boxes
- Embossed logos
- Promotional trade fair stand panels
- Promotional flags
- Brochure holders
- ... and many more
## TECHNICAL INFORMATION

<table>
<thead>
<tr>
<th></th>
<th>KOMBO SD 16.20</th>
<th>KOMBO SD 31.20+</th>
<th>KOMBO SD 31.20+</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Version</strong></td>
<td>Standard</td>
<td>With video projection*</td>
<td>Standard</td>
</tr>
<tr>
<td><strong>Working area (mm)</strong></td>
<td>1600 x 2000</td>
<td>3100 x 2000</td>
<td>3100 x 2000</td>
</tr>
<tr>
<td><strong>Vacuum sectors on working area (N)</strong></td>
<td>20</td>
<td>40</td>
<td>40</td>
</tr>
<tr>
<td><strong>Machine dimensions - LxD (mm)</strong></td>
<td>2850 x 2400</td>
<td>4270 x 2850</td>
<td>4500 x 2850</td>
</tr>
<tr>
<td><strong>Machine height (mm)</strong></td>
<td>1650</td>
<td>1650</td>
<td>1650</td>
</tr>
<tr>
<td><strong>Working area height (mm)</strong></td>
<td>900</td>
<td>900</td>
<td>900</td>
</tr>
<tr>
<td><strong>Weight (kg)</strong></td>
<td>2100</td>
<td>2600</td>
<td>2900</td>
</tr>
<tr>
<td><strong>Electric power supply (1 kW electrospindle)</strong></td>
<td>Tri-phase 400V 50Hz 12 Kw max</td>
<td>Tri-phase 400V 50Hz 12 Kw max</td>
<td>Tri-phase 400V 50Hz 12 Kw max</td>
</tr>
<tr>
<td><strong>Electric power supply (3 kW electrospindle)</strong></td>
<td>Tri-phase 400V 50Hz 17 Kw max</td>
<td>Tri-phase 400V 50Hz 17 Kw max</td>
<td>Tri-phase 400V 50Hz 17 Kw max</td>
</tr>
<tr>
<td><strong>Pneumatic power supply</strong></td>
<td>8/10 bar 800 l/min</td>
<td>8/10 bar 800 l/min</td>
<td>8/10 bar 800 l/min</td>
</tr>
</tbody>
</table>

*Video projection: an option on the Kombo range.

The technical specifications indicated in the table may be updated and modified as a result of any improvements and technology developments.