TOOLS
A HEAD OF VERSATILITY

A complete range of easy-to-configure tools, depending upon the material to be processed, with an automatic pre-setting system.

- Cutting head with fixed or oscillating knife, electric and/or pneumatic
- 1 kW Electro spindle milling module with manual or semi-automatic tool change
- 3 kW Electro spindle milling module with semi-automatic tool change
- 3 kW Electro spindle milling module with 4-position fully 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

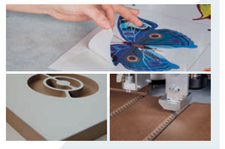
Optional NEW multi-tool head with **knife and milling modules on independent axes. 3kW, 50,000 rpm, electro spindle milling modul with** integrated **4-position fully automatic tool change**.

MATERIALS
FLEXIBILITY TO SUPPORT YOU

Processes a wide range of materials with extreme precision.

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

... and many more

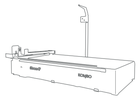


APPLICATIONS
MATERIAL TAKES SHAPE

Limitless productivity. The extraordinary flexibility of the KOMBO range allows you to 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	KOMBO SD* 16.20		KOMBO SD* 32.20		KOMBO SD* 40.25		KOMBO SDC* 32.20	
Version	Standard	Con video proiezione*	Standard	Con video proiezione*	Standard	Con video proiezione*	Standard	Con video proiezione*
Working area (mm)	1600 x 2000		3200 x 2000		4000 x 2000		3200 x 2000	
Vacuum sectors on working area (N)	20		40		60		40	
Machine dimensions - LxD (mm)	2850 x 240	2850 x 2500	4270 x 2850	4700x 3250	5260 x 3450	6180 x 6450	4500 x 285	4700 x 3120
Machine height (mm)	1600	2650**	1600	3160***	1460	2900***	1600	3160***
Working area height (mm)	900		900		900		900	
Weight (kg)	2100	2800	2600	2900	4650	4950	2900	3200
Electric power supply (1 kW electrospindle)	400V 50Hz 14 kW máx		400V 50Hz 14 kW máx		400V 50/60Hz 14kW		400V 50Hz 14 kW máx	
Electric power supply (3 kW electrospindle)	400V 50Hz 17 kW máx		400V 50Hz 17 kW máx		400V 50/60Hz 17kW		400V 50Hz 17 kW máx	
Pneumatic power supply	8/10 bar 800 l/min		8/10 bar 800 l/min		10 bar 600l/min		8/10 bar 800 l/min	

*Video projection: an option on the Kombo range.
**If the Seeker System PRO is provided, the height is 3250 mm.
***If the Seeker System PRO is provided, the height is 3360 mm.

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

Elitron
ROBOTIC CUTTING INTELLIGENCE

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KOMBO SD+e SDC+ SERIES

AUTOMATIC CAD-CAM CUTTING SYSTEM

Elitron
ROBOTIC CUTTING INTELLIGENCE

KOMBO SERIES WITH SEEKER SYSTEM.
SIMPLICITY AT A GLANCE.

The complete range of **KOMBO** digital plotters for automatic cutting and finishing has been specifically engineered to meet the latest requirements, in the **digital printing, cardboard, sign, and billboard industries**.
More than 25 years of Italian manufacturing experience and technological innovation are at the foundations of **Elitron**'s multi-function systems, equipped with **multi-tools for cutting, milling, creasing, and engraving**.
Suitable for sampling, short to medium and complex production runs, the Kombo systems offer maximum **versatility**. Excelling in terms of **productivity** and **automation** to meet and often anticipate market demands. Only **KOMBO** systems can be equipped with the **Seeker System™**, an intelligent vision system which automatically recognises printed images and reference marks.
This **exclusive Elitron patent** significantly reduces production times and cuts the cost of the entire production process. Cutting-edge safety devices are activated automatically should there be any obstacle during production in order to guarantee maximum operator safety at all times.

MAIN CHARACTERISTICS

5 multi-tool head for cutting, creasing and milling materials **up to 120 mm**

Automatic tool presetting

Integrated, patented vision system **Seeker System™** to automatically recognise printed images and reference marks

Cuts **different materials during the same working session**, without changing tools

Working **speed** of 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.

Possibility to configure **two working areas**

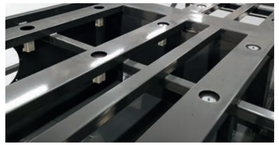
Compatible with **Industry 4.0**

KOMBO SDC+ 32.20

WORKING AREA
3200 X 2000 MM

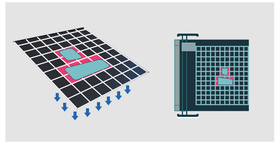
KOMBO is also available with a **conveyor driven working area**.
This can be equipped with:
- feeding system for roll materials
- holding clamp to ensure material advancement, even of the most critical materials
- synchronized unloading table to facilitate the collection of finished materials.

Kombo SERIES - Freedom at work



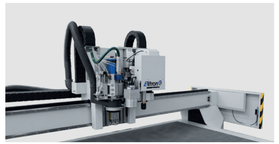
Machine structure

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, with no flexing or vibrating. **Design and technology 100% Made in Italy.**



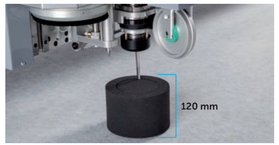
Vacuum table

Perfect material adhesion for a high-quality finish.
The cutting area is divided into **40 sectors,** automatically activated and deactivated where material is detected.
The vacuum power is then only concentrated where necessary.



Multi-tool head

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



Varying heights

Fast and efficient response to a multitude of customer job requests.
Extremely **versatile,** and able to process **materials up to 120 mm high** using the quick tool-setting function to set the material height.

3D Milling

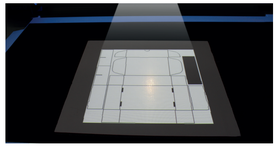
Using **eliCNCInterface** software, which works on 3 **interpolated axes** (x,y,z), **the 3D ISO file is imported**, read and converted into a cutting path. This system enables fast, precise, and smooth 3D milling of multi-materials such as PVC, wood, foam, UREOL, etc.

Seeker System PRO
Exclusive Elitron patent.

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

Stressless Working Technology

Yield optimisation using the new S**tressless Working Technology** that projects **virtual dies** onto the material. The operation is extremely fast and safe for the operator, with **considerable material and cost savings** thanks to the possibility of reusing otherwise waste materials.

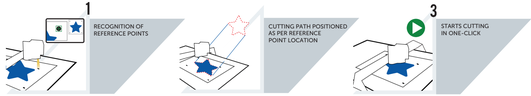


High performance motors

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

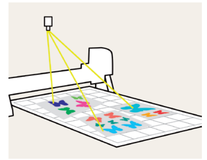
Seeker System
Cut processing times

Innovative vision system that independently identifies the position of print reference points on materials. This technology **enables the cutting path to be precisely positioned on the printed material**.
A senor system housed inside the cutting head recognises print reference points and uses them to synchronize and manage the cutting path.



Seeker PRO
increases productivity
during every single working cycle

A dual camera system with powerful image processing software automatically scans the working area, **recognises printed images and automatically loads the corresponding pre-saved cutting files.**
Seeker PRO can process different materials simultaneously (PVC foam, vinyl, composite materials, etc.), **without the sheets having to be placed in any particular position on the working area**. The operator can therefore complete more jobs efficiently, whilst carry out preparatory activities at the same time as 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**.