

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



Possibility to mount the new multi-tool head with **knife and milling modules on independent axes. 3kW, 50,000 rpm, electro spindle milling module with integrated 4-position automatic tool change, managed by software.**

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.

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	KOMBO SD 16.20		KOMBO SD 31.20 KOMBO SD+ 31.20		KOMBO SDC 31.20 KOMBO SDC+ 31.20	
Version	Standard	With video projection*	Standard	With video projection*	Standard	With video projection*
Working area (mm)	1600 x 2000		3100 x 2000		3100 x 2000	
Vacuum sectors on working area (N)	20		40		40	
Machine dimensions - LxD (mm)	2850 x 2400	2850 x 2500	4270 x 2850	4700 x 3250	4500 x 2850	4700 x 3120
Machine height (mm)	1600	2650**	1600	3160***	1600	3160***
Working area height (mm)	900		900		900	
Weight (kg)	2100	2800	2600	2900	2900	3200
Electric power supply (1 kW electrosindle)	Tri-phase 400V 50Hz 14 kW max		Tri-phase 400V 50Hz 14 kW max		Tri-phase 400V 50Hz 14 kW max	
Electric power supply (3 kW electrosindle)	Tri-phase 400V 50Hz 17 kW max		Tri-phase 400V 50Hz 17 kW max		Tri-phase 400V 50Hz 17 kW max	
Pneumatic power supply	8/10 bar 800 l/min		8/10 bar 800 l/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.

HEAD OFFICE  
**Elitron IPM srl**  
Viale I Maggio, 42  
63813 Monte Urano (FM) Italy  
☎ +39 0734 842221  
elitron@elitron.com  
[www.elitron.com](http://www.elitron.com)

USA BRANCH  
**Elitron America Inc.**  
1650 Oakbrook Dr. Ste 425  
Norcross, GA 30093 USA  
☎ +1 (844) 354-8766

ROBOTIC CUTTING INTELLIGENCE



KOMBO SD e SDC  
SERIES  
AUTOMATIC CUTTING  
PLOTTER WITH  
INTEGRATED CAD-CAM SYSTEM

KOMBO SERIES  
WITH SEEKER SYSTEM.  
SIMPLICITY  
AT A GLANCE.

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.**
- Double** configurable working area.
- Compatible with **Industry 4.0.**



KOMBO SDC 31.20  
KOMBO SDC+ 31.20

WORKING AREA  
3100 X 2000 MM

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

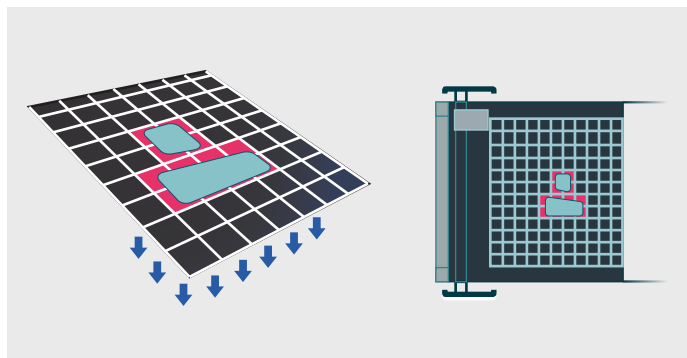
**Also available in the PLUS version, with higher performance motors**

# 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.



## 3D Milling.

Ignite your creativity, and **increase your product offering using 3D Milling**. From initial technical drawing to perfect 3D eye-catching designs in just a few clicks. 3D files are imported, read & converted, to create the milling path file. Fast & smooth precision milling, for many materials: PVC, Wood, Foam & UREOL etc... **Release your 3D creativity.**



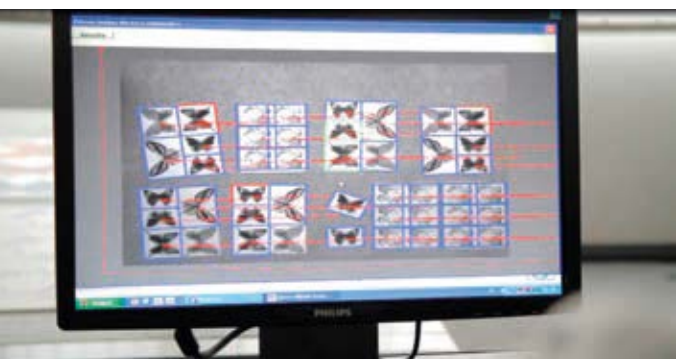
## Pre-setting.

**Quick tool calibration** using the automatic pre-setting system.



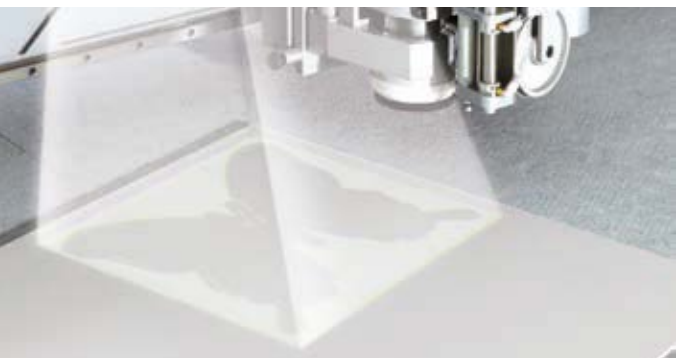
## Seeker System PRO. Exclusive Elitron patent.

**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

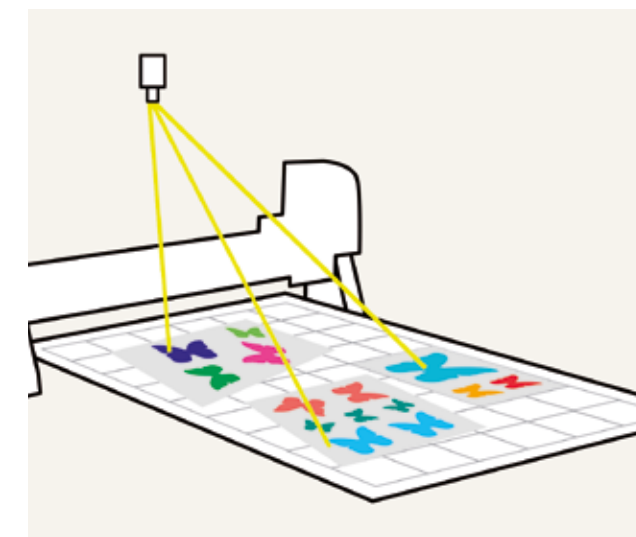


Innovative vision system, entirely **designed, developed and patented by Elitron**. It **automatically identifies printed images**, and

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**.

