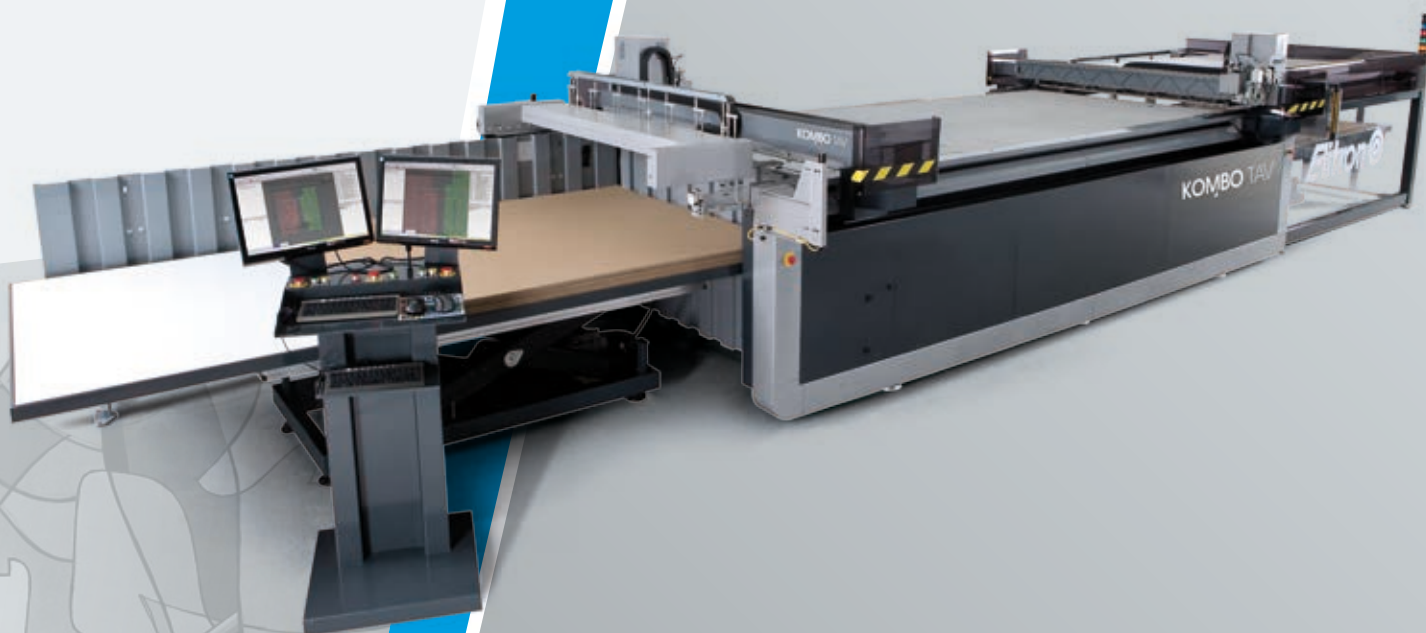


KOMBO TAV

CUTTING PLOTTER
WITH INTEGRATED
LOADING-CUTTING-
UNLOADING SYSTEM



Eitron 
INNOVATIVE PRODUCTION METHODS

TWO MACHINES IN ONE: TWO CUTTING HEADS. A CLEAN CUT TO PRODUCTION TIMES.

KOMBO TAV: projected to give a cut to the past and revolutionize the whole industry. The automatic cutting and finishing plotter dedicated to meet the new requirements of the **cardboard and large format** digital printing industries. The result of **25 years of Italian manufacturing experience** and Elitron's technological innovation. Kombo TAV is the **only plotter** with **two independent cutting heads** able to cut at speeds up to 102mt/min, and to accelerate production times with more jobs being processed in less time. This flexible **dieless finishing system** cuts production times and reduces costs whilst offering maximum versatility for both short and complex production runs. The innovative **integrated loading and "AiroPanel" unloading systems** – patented by Elitron – fully automate the entire production process, reducing costs, for a **non-stop workflow**. KOMBO TAV is the only plotter that comes ready to install a fully motorised roller loading system. The system can also be raised to take a pallet of up to 1380mm high, thanks to this option more material can be loaded for increased productivity.

MAIN CHARACTERISTICS

Automatic integrated loading-cutting-unloading system

Patented Seeker System for the automatic recognition of images and reference points from the under side

2 beams with 2 independent cutting heads for non-stop action

2 tool carriages for cutting and creasing materials up to 20mm thick

Automatic tool pre-setting

Twin Cut proprietary software for automatic cutting management

Cutting speed up to 102 mt/min

Precision racks for perfectly smooth axis movement

Patented Airo Panel system for automatic unloading of materials

Working surface made up of 24 or 32 individual vacuum sectors concentrated only where necessary

Machine Stop Alarm with obstacle warning via text or internet

Multi-sheet loading system

System ready to install a motorised roller loading system

Technology and design 100% Made in Italy

2 CUTTING HEADS



Kombo TAV. The only plotter with two cutting heads that works flat out for you.

1 LOADING

Loading system.
High quality mechanical components.

The integrated loading system automates every single phase of the production process. The **lifting platform**, speeds up and guarantees the smooth transport of materials from the pallet to the working area. The **management of the up/down movement of the sheets** is fully automatic, thus the operator is working in a safe environment. The system is able to manage **multi-sheet loading** and comes ready to install a fully **motorised roller loading system** for complete automation.



2 RECOGNITION

Seeker System.
Simplicity at a glance.

Innovative software and vision system patented by Elitron. This **dual camera** system reads the underside of the sheets, detects the **reference point position** and loads the cutting files. If enabled, the system resizes the cutting file according to the images detected. All this, automatically.



3 CUTTING/CREASING

Two cutting heads.
Double your productivity.

Two cutting heads work non-stop to cut and crease materials **up to 20mm thick**. Double the workload automatically using Elitron's state-of-the-art TwinCut software that calibrates and assigns the workload independently to each of the cutting heads, optimizing the overall time for the job in hand. **Unbeatable linear cutting speed** of up to 102 mt/min, **unrivalled productivity**.



4 UNLOADING

Airo Panel.
Perfect suction.

Innovative technology patented by Elitron specifically for unloading. Airo Panel is a powerful **suction panel** that **sucks with great force the entire cut sheet, carrying it to the unloading area** and stacking it on the pallet. The result: **perfectly clean cut shapes** which are very easy to remove, without any unsightly bridges and scraps left behind.



Software
TwinCut installed to automatically assign the workload between the two cutting heads.

Loading bay height
Refer to the table.

Elevation loading platform
Fast and reliable transport of materials from the pallet to the working area. Automatic up/down management of the sheets.



Working area
Solid cellular steel structure. Automatically activated 24 or 32 vacuum sectors concentrated only where necessary to ensure maximum adhesion of materials.

Machine structure
Solid steel structure incorporating linear and curved elements. The notably robust structure facilitates the high quality production and working speeds. Design and Technology 100% Made in Italy.

Machine stop alarm
Operator advised (via the console or remotely) of any obstacle on the working area or that a job has been completed.



TOOLS. A HEAD OF VERSATILITY.

A complete range of tools, easy to configure depending on the type of material to be worked.

- Tangential vibrating electric knife cutting head module
- Creasing wheels, with diameters up to 150 mm
- Tangential module for additional tools
- Depth gauge to measure material height
- Pen module
- Laser pointer to detect sheet position
- Optional 45° knife (other cutting angles also available)
- Cut & Crease knife



MATERIALS. FLEXIBILITY TO SUPPORT YOU.

KOMBO TAV is able to cut a wide variety of materials, finishing each shape with extreme precision.

- Cardboard
- Corrugated cardboard
- Printed cardboard
- Thin cardboard
- Plastics
- Honeycomb
- Corrugated plastic and layered materials
- Polypropylene
- Re-board
- ...and many more.



APPLICATIONS. MATERIAL TAKES SHAPE.

No limits to your productivity. Thanks to the Kombo TAV's extraordinary flexibility you can now satisfy even the most diverse requests from your customers.

- Packaging
- POS displays
- Transparent containers
- Advertising banners
- Folders and binders
- Boxes
- Promotional trade fair stand panels
- Promotional flags
- Brochure holders
- ...and many more.





TECHNICAL INFORMATION *	KOMBO TAV 32.16		KOMBO TAV 32.22	
	Standard	Extra with platform	Standard	Extra with platform
Version				
Working area (mm)	3200 x 1600		3200 x 2200	
Suction sectors on working area	24		32	
Machine dimensions LXP (mm)	11400 x 2800	11400 x 4000	11400 x 3400	11400 x 4600
Machine height (mm)	2200	3200	2200	3200
Working area height (mm)	1100	1600	1100	1600
Maximum sheet loading height (mm)	700	1200	700	1200
Weight (kg)	5600	7750	6400	8750
Electric power supply	Tri-phase 400V - 50 Hz - 25 Kw		Tri-phase 400V - 50 Hz - 27 Kw	
Pneumatic power supply	10 bar 600 l/min		10 bar 600 l/min	

* The technical specifications given in the table can be updated and modified as a result of any improvement and technological development of the systems.



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