

BOOSTER

HIGH PERFORMANCE
MAXIMUM FLEXIBILITY



Elitron 
INNOVATIVE PRODUCTION METHODS

BOOSTER SIMPLY THE BEST

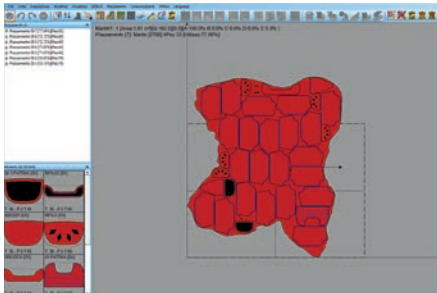
Booster continues to evolve, whilst maintaining the perfect combination of efficiency and versatility which distinguish this high-performance cutting system. A point of reference for all leather cutting operators, its new design combines aesthetics and functionality, perfectly reflecting its unique personality. Able to cut both natural and synthetic materials, whilst complying with the highest quality standards for which Elitron synonymous.

MAIN FEATURES

- Two working areas.
- Multi-tool cutting head (5 & 7 tools).
- Working area divided into vacuum sectors, activated automatically by software.
- Solid cellular steel structure.
- Video Projection software to easily nest shapes directly onto material.
- Domino software** manages different jobs, divided by size, and material type. To optimize nesting results, this software groups shapes from different models, to be cut from the same material. Developed in Windows™ OS.
- Industry 4.0 ready.
- Compact carters for greater sound reduction.
- Design and Technology 100% Made in Italy.

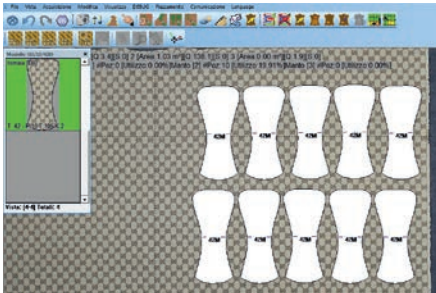
SOFTWARE

OPERA



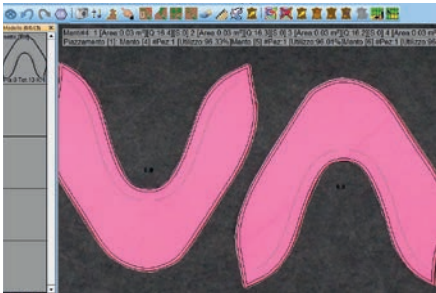
Extremely rapid results and material yield optimization. Opera nesting software automatically nests the shapes to be cut on the leather hide, by scanning the perimeter of the material. Intuitive graphic interface manages many functions: high-resolution leather image acquisition; automatic detection of defects; configuration of nesting parameters. Generates and stores nesting criteria, statistics and reports.

NESCUT



Optical recognition software for automatic nesting of shapes on printed materials with logos, textures, or regular patterns. Nescut automatically places the shapes to be cut by adapting the theoretical nesting provided by the stylist/designer to the real design of the material. Nescut comes together with the hardware kit necessary to illuminate and scan the material.

RECUT



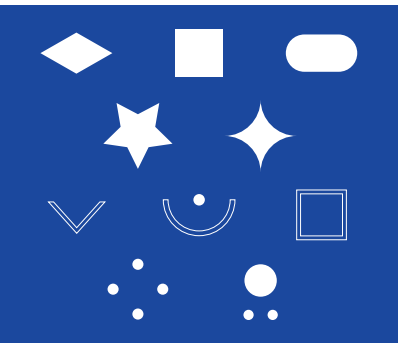
Optical recognition software for drafts (blanks), positioned on the working area. Once the blanks have been semi-worked and are repositioned on the cutting area, Recut software automatically nests the net shapes to be cut.

BOOSTER. Cutting accuracy and flexibility



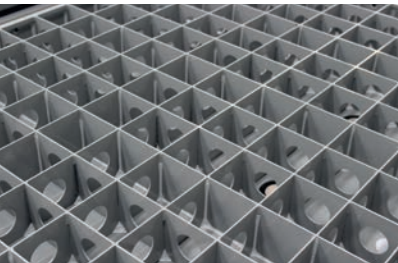
Multi-tool cutting head

The system is equipped with an extremely sturdy multi-tool carriage, with easy tool removal, and designed for quick and easy maintenance. The carriage can be equipped in two configurations:
5 tools - 1 electric or pneumatic knife tool, 2 perforators, 1 pen and 1 punch;
7 tools - 2 electric knives or 1 electric knife and 1 shaped rotary perforator, 3 perforators, 1 pen and 1 punch.



Shape Rotary Punch

The 7-tool version second knife unit can be replaced with a special tool, equipped with a shape rotary punch. This shape rotary punch can take the form of hearts, flowers, rhombuses, and other shapes or groups of micro-holes, and these will be cut in the exact position as indicated on the CAD file.



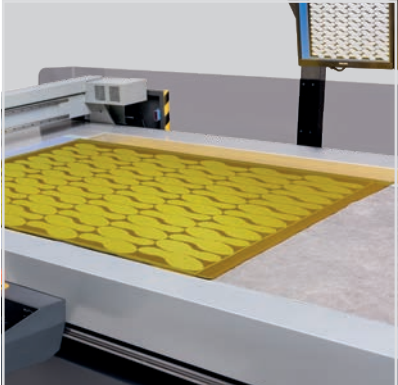
Structure

Booster is designed to guarantee robustness, stability, durability, and constant high quality over time. The working area is made up of a solid, mono-block cellular steel structure, divided into vacuum sectors. The working area is inclined for easy operator access, and to allow perfect visibility of the leather. The base of the machine is a solid welded steel structure.



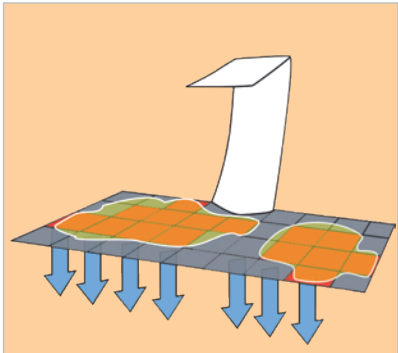
Direct Video Projection

The Video Projection system optimizes material yield and avoids waste, as the shapes to be cut are projected on to the leather with extreme clarity and brightness - "virtual dies". The operator can easily position them, selecting the model and the size and rotating them to the desired position.



Sectored Vacuum System for a Perfect Hold

A powerful vacuum system, managed by software, ensures the material is perfectly held in place throughout the entire cutting process. The vacuum is automatically activated by software only where necessary.



TOOLS

Two, easily configurable, cutting heads, have been uniquely designed to meet the specific needs of the leather industry.

5 Tool Configuration

- 1 electric or pneumatic knife
- 2 perforators
- 1 pen
- 1 punch

7 Tool Configuration

- 1 main electric knife
- 1 secondary electric knife (or alternatively a shaped rotary perforator)
- 3 perforators
- 1 pen
- 1 punch



MATERIALS

The multi-tool carriage lends itself to process an extremely wide variety of leathers and synthetic materials, continually guaranteeing maximum precision and cutting versatility.

- Leather
- Textile
- Texon
- Tunit
- Cellulose
- Foam (up to 10 mm)
- Synthetics
- Eco-leather
- Cardboard



APPLICATIONS

Unlimited productivity is now possible thanks to the extraordinary flexibility of the Booster, which perfectly responds to the different cutting requirements in numerous business sectors:

- Footwear
- Leather goods
- Apparel
- Accessories



TECHNICAL INFORMATION

Booster

	5 Tools version	7 Tools version	EP Version
Working area (mm)	3000x1100	3000x1100	3000x1100
Machine dimensions (mm)	4140x2350x2650	4140x2350x2650	4140x2350x2650
Maximum axis movement speed	70 mt/min	70 mt/min	70 mt/min
Tools set	1 Electric knife 2 Perforators 1 Pen 1 Punch	2 Electric knives 3 Perforators 1 Pen 1 Punch	1 Electric knife (or pneumatic) 2 Perforators 1 Pen 1 Punch
Electrical power supply	Tri-phase + neutral 400 VAC - 50 Hz - 10 kW	Tri-phase + neutral 400 VAC - 50 Hz - 10 kW	Tri-phase + neutral 400 VAC - 50 Hz - 10 kW
Pneumatic power supply	Electrical 4-6 BAR 200 l/min	Electrical 4-6 BAR 200 l/min	Pneumatic 7-8 BAR 600 l/min



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