

SPARK

FLEXIBLE
CONVEYOR
CUTTING



Elitron 
ROBOTIC CUTTING INTELLIGENCE

SPARK

MAXIMUM FLEXIBILITY
MAXIMUM PRODUCTIVITY
MAXIMUM RESULTS

Spark meets and surpasses today's finishing requirements, both in terms of flexibility and automatic cutting performance, for sampling and production in **digital printing, cardboard, sign and display industries**. More than 25 years of Italian manufacturing experience, and technological innovation, come together to ensure that **Elitron** offers you the most advanced technology and high-performance **multi-tool cutting heads for cutting, milling, creasing and engraving**. Only **Elitron's** systems can be equipped with the **Seeker System**, the intelligent vision system which automatically recognises printed images. This **exclusive Elitron patent** significantly reduces production time and cuts the cost of the production process.

MAIN CHARACTERISTICS

Multi-tool head to cut and crease **materials up to 20 mm**.

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 **70 m/min**, acceleration **0,8G**.

Video projection system to **optimise material yield**, and re-use otherwise waste materials.

High precision movement mechanisms.

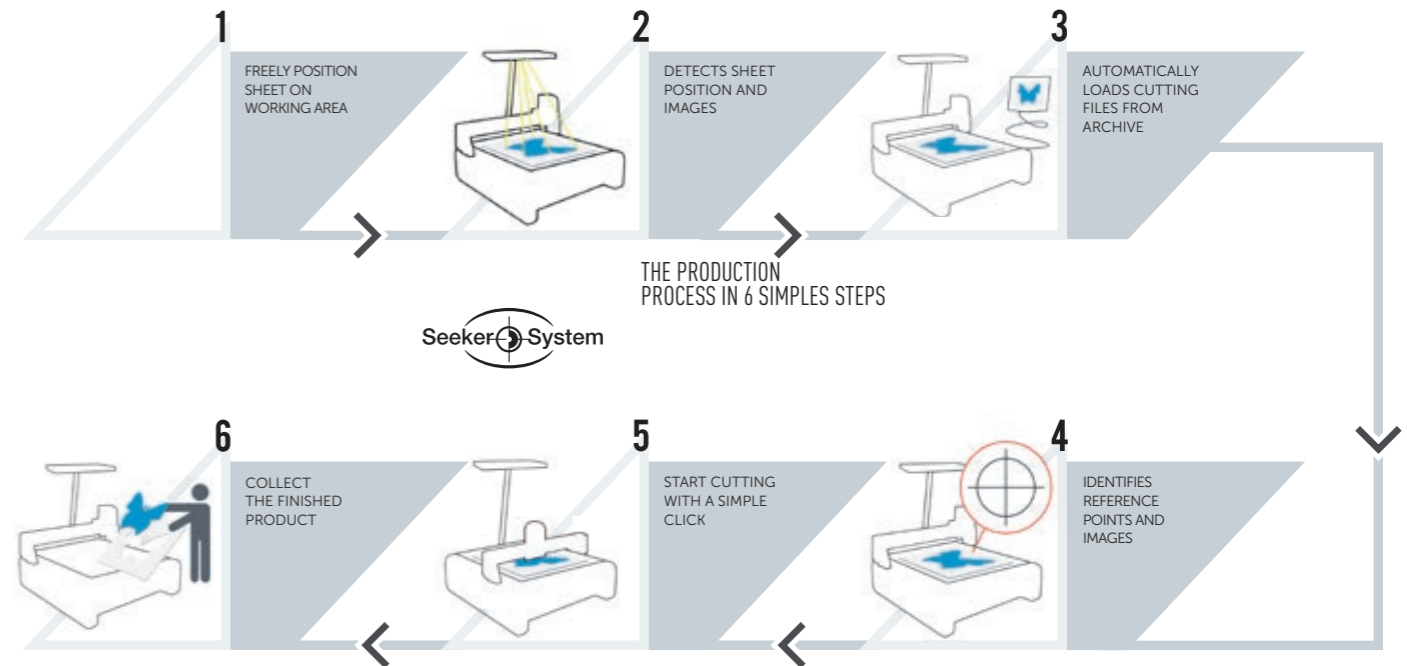
Working area divided into powerful concentrated vacuum sectors, for **maximum material hold on the working surface**.



Exclusive Elitron patent

Innovative vision system, entirely **designed, developed and patented by Elitron**. Automatically identifies

the location of printing reference points on the materials, to **automate the digital finishing process**.



Multi-tool head

Maximum flexibility during production, using the multi-tool cutting head equipped **with up to 4 tools simultaneously**, for all production requirements: furthermore, the impressive software features allow **different materials to be worked during the same production session**.

- Cutting head with fixed or oscillating knife, electric and/or pneumatic
- 1 kW Electro spindle milling module with manual 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



Supplied with optional:

- **roll holder**;
- **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.



Seeker System PRO

Seeker System PRO increases productivity during every single working cycle. The dual camera system with powerful image processing software automatically scans the working area, **recognises printed images and loads the corresponding cutting files automatically**. **Seeker PRO** can process different materials simultaneously without having to place the sheets in any particular position on the working area.

Underside Roll Reader

Innovative system able to **recognise printed images on roll materials** from the underside. Automatically loads the relative cutting files, for a continuous, highly productive workflow.



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**.



MATERIALS FLEXIBILITY FOR ALL

Processes a wide range of roll and rigid materials with extreme precision.

- Forex
- Dibond
- PVC
- Plastics
- Films
- Re-board
- Paper and cardboard
- Corrugated cardboard
- Foam
- ... and many more



APPLICATIONS MATERIAL TAKES SHAPE

No limits to your productivity:

- 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

Version	SPARK	
	Standard	With video projection *
Working Area (mm)	1900 x 1600	
Machine dimensions (mm)	2620 x 2360	2800 x 2750
Machine height (mm)	1300	3300
Working area height (mm)	910	
Electric power supply	Triphase 400V 50/60Hz 9kW	
Pneumatic air	8 bar 600l/min	

* Video projection: optional.

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

The images shown are for illustration purpose only.



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