

SPARK C

AUTOMATIC MULTI-FUNCTION
COMPACT DIGITAL
CONVEYOR CUTTING SYSTEM

SPARK C

MAXIMUM FLEXIBILITY
MAXIMUM PRODUCTIVITY
MAXIMUM RESULTS

Spark C meets and exceeds today's finishing needs, both in terms of flexibility and automatic cutting performance, for sampling and production in the **digital printing, converting, sign and display industries**. More than 25 years of Italian manufacturing experience and technological innovation are at the foundations of Elitron's multi-fuction systems, equipped with **multi-tools for cutting, creasing and engraving**. Only **Elitron** systems can be equipped with **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.

MAIN CHARACTERISTICS

4 multi-tools for cutting, milling, and creasing **materials up to 20 mm**

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

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

Working speed of up to **70m/min, acceleration 0.8G**

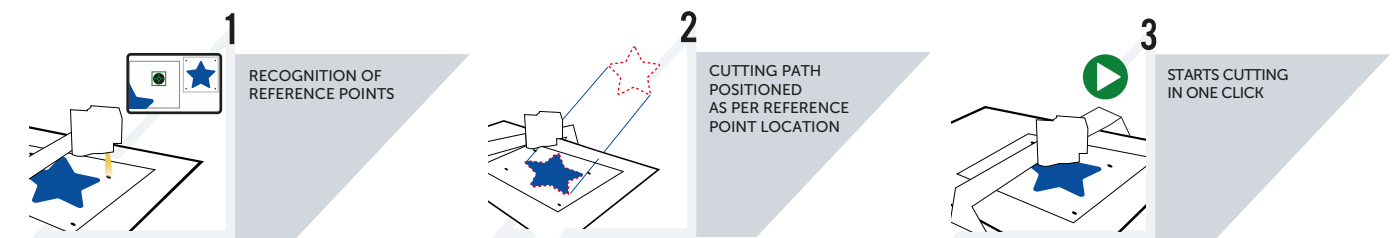
Video Projection System to **optimize material yield**, and re-use otherwise waste materials

High precision movement mechanisms

Working area divided into powerful, concentrated vacuum sectors, for **maximum material adhesion** at all times



Innovative vision system that identifies the position of print reference points on materials. This technology **enables the cutting path to be precisely positioned and aligned on the printed material**. A sensor system housed inside the cutting head recognises print reference points and uses them to synchronize and manage the cutting path. Seeker System™ can also be used for printed roll materials.

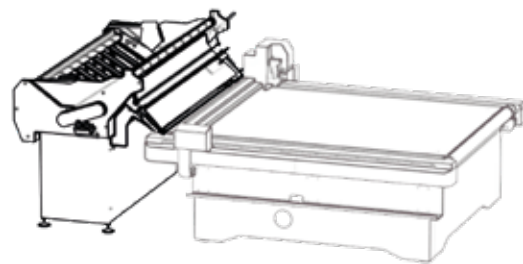


Multi-tool Cutting Head



Maximum flexibility during production, using the multi-tool cutting head equipped **with up to 4 tools simultaneously** for all production needs:

- **Fixed or Oscillating knife module**, electric and/or pneumatic
- **1 kW Electro spindle milling module** with manual tool change
- **Creasing wheel kit** with different diameters and profiles
- **Kiss-cutting knife** (half cut)
- **V-cut, 45° knife** (other cutting angles also available)
- **Cut & Crease** knife
- **Circular knife**
- **Perforator**
- **Pen module**
- **Laser pointer**



Integration with unwinder

Spark C can be supplied with a fully integrated unwinder system for roll, flexible/non-flexible, textile and vinyl materials.

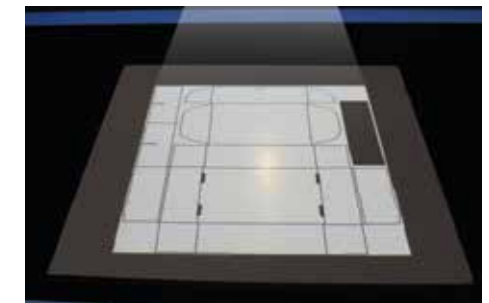
Optional:

- **roll holder**
- **feeding system** for roll materials
- **clamping block** to ensure precise feeding of even the most critical materials
- **Synchronized Unloading Table** to facilitate collection of finished materials



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**.



Stressless working technology

Yield optimisation using the new Stressless Working Technology which **projects virtual dies onto the material**. Considerable material and cost savings thanks to the possibility of re-using otherwise waste materials.

MATERIALS FLEXIBILITY FOR ALL

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

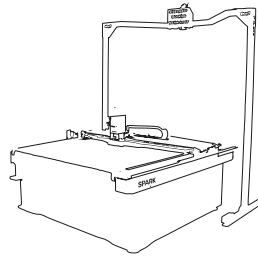
- Forex
- Dibond
- PVC
- Plastics
- Films
- Re-board
- Paper and cardboard
- Corrugated cardboard
- Foam
- ... and many more



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	SPARK C 8.16	SPARK C 12.16	SPARK C 19.16		SPARK C 25.16	
Version	-	-	Standard	Video projection*	Standard	Video projection*
Working Area (mm)	800 x 1600	1200 x 1600	1900 x 1600		2500 x 1600	
Vacuum sectors on working area (N)	8	8	9		12	
Machine dimensions (mm)	2650 x 1670 x 2150	2650 x 2070 x 2390	2360 x 2600	2750 x 2800	2360 x 3240	2780 x 3240
Machine height (mm)	1350	1350	1350	3100	1270	3000
Working area height (mm)	900	900	900		900	
Electric power supply	400V 50/60Hz 10kW	400V 50/60Hz 10kW	400V 50/60Hz 10kW		400V 50/60Hz 10kW	
Pneumatic power supply	8 bar 600l/min	8 bar 600l/min	8 bar 600l/min		8 bar 600l/min	

*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.

