



4AG.014 Cutting Table

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Final Advanced Materials has a team of engineers and textile professionals who are at your disposal for the direct execution of customized cutting operations on their premises. The production team can manage a wide variety of materials, whether for production, dressing or furnishing operations, but also for the cutting of technical textiles and composite materials. Your projects can be easily executed as a result.

Final Advanced Materials is proud to be the partner of the companies FKgroup and FKEurope, specialists in high-precision cutting technologies. This collaboration has resulted in the installation of a state-of-the-art digital cutting table in our production workshop.

The Tecno Freccia table provides numerous benefits:

- Integrated CAD software
- Optimized positioning software
- Tracing, cutting and machining functions
- Cutting of templates
- Cutting of prototypes, pre-series and series production products.

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Technical data for the Tecno Freccia table

The Tecno Freccia automatic cutting table is a multi-functional, accurate, high-speed and efficient machine. It can be used for the processing of a wide variety of materials, including glass fibre, carbon fibre, polyurethane fibre, Kevlar®, PVC, etc. together with thermal insulating materials. This is a highly-valued machine for the production of elements for use in the automobile, aeronautical, construction and furnishing industries.

The Tecno Freccia table has three cutting modes, in addition to a tracing function:

- **Oscillating blade:** for conventional and technical fibres.
- **Drag knife:** a fixed blade, similar to a cutter, permits the cutting of hard or coated materials.
- **Milling tool:** for drilling and the machining of composite panels.

The **conveyor** permits the execution of automatic cutting operations in single- and multi-layered materials with a compressed thickness of up to 25 mm.

The **self-sharpening blade system** ensures accuracy of cutting, even during cut-out operations.

The **innovative filtration system** renders the installation of an additional ventilation system superfluous, and can be used with no special PPE.

Other technical characteristics of the Tecno Freccia

Property	
Work space	200 x 180 cm
Dimensions L x L x H	405.9 x 303.6 x 214 cm
Weight	2 350 kg
Power	14 kW
Average Consumption	5 kW
Supply Voltage	400 V ± 10 %

Connected software

FKad Model®

FKad Model® modelling software permits the generation or modification of cutting patterns or models. Intuitive and comprehensive, this software provides all the functions required for the accurate and efficient cutting of clothing and technical elements.

Some examples of available functionalities are set out below:

- Drawing;



Cutting Tables

- Definition of cutting and tracing lines, and of seam allowances;
- Geometrical transformations;
- Management of workpiece information.

FKad Model® also features an option for the importing and exporting of plans and files in image, .dxf, .ISO, and .HPGL formats, together with files generated using other textile design and cutting softwares, such as Lectra, Optitex or Gerber.

Place®

FKad Model® can also supply a Place® module, which permits the optimum automatic positioning of workpieces on the cutting table. It is possible to incorporate cutting constraints in this module, together with the regulation of quilting properties, or the manual positioning of workpieces.

Just Cut®

The simple and intuitive software make all cutting parameters setting fast and safe. The compact and refined styling makes it perfect for any work environment. It allows to choose the type of knife to be used, to resize the pieces, to change or simulate the cutting process.

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