

THE SOLUTION THAT FITS YOUR NEEDS

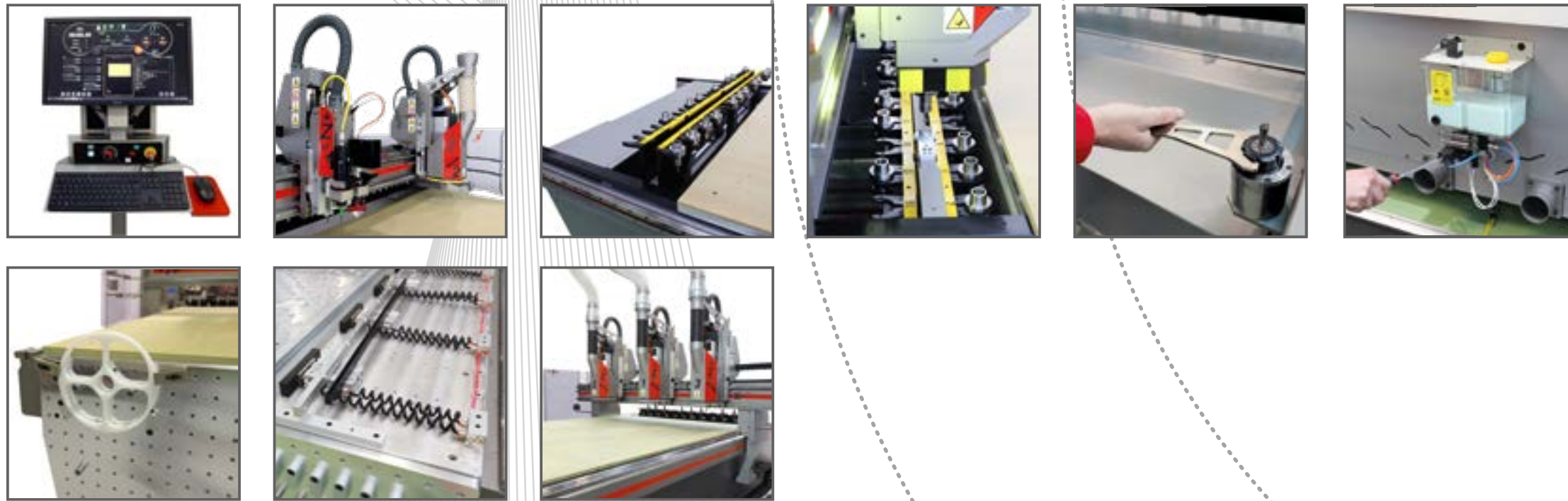
E-ADAPTIVE



 **PROTEK**
PEOPLE, PRECISION, POWER

E-ADAPTIVE

E-ADAPTIVE IS DESIGNED TO BE A **MULTIFUNCTION MACHINE**. **ITS HEADS**, WHICH DIFFER IN INTENDED USE AND ARE ABLE TO WORK SIMULTANEOUSLY, **PERFECTLY ADAPT TO ANY CUSTOMER REQUIREMENT**.

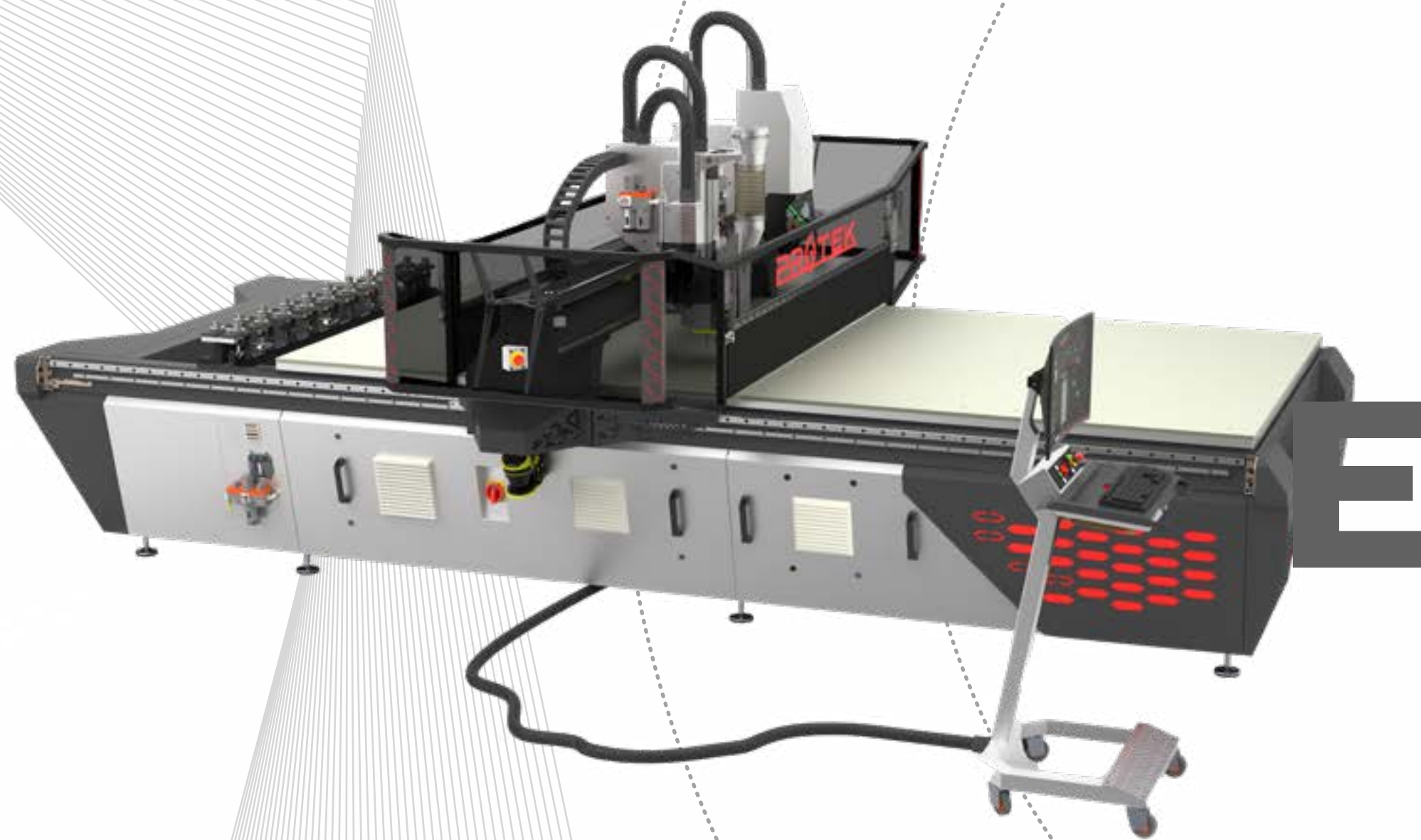


E-ADAPTIVE is the ideal solution for optimizing production processes without sacrificing quality, thanks to its immense versatility.



WHY CHOOSE E-ADAPTIVE?

Perfect for nesting and the series production of large parts and panels, **E-ADAPTIVE** stands out for its ease of use and versatility in processing materials, from aluminum and foams to plastics, composites, and woods.



01

SUB-MILLIMETER PRECISION

Up to +/- 0.04

02

VACUUM CLAMPING

It ensures stability and precision, even in the most complex machining operations.

03

INTUITIVE SOFTWARE

User-friendly software that simplifies programming and reduces cycle times, thereby increasing productivity.

04

CUSTOMIZED DESIGN

We listen to your needs, study them, and create your personalized configurations.

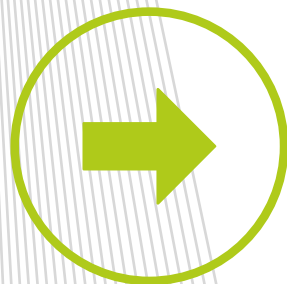


TECHNICAL SPECIFICATIONS



STRUCTURE

Structural steel frame for maximum stability and rigidity



RACE

X: from 3075 to 10250 mm;
Y: 1650 – 2550 mm;
Z: 400 mm



PRECISION

+/- 0.04



ELECTROSPINDLE

15 kW - 24.000 RPM
fastening HSK F63



WORK PLAN

Vacuum locking system
with automated areas



SPEED

Fast: 60 m/min;
Working: 40 m/min



TOOL CHANGE

Automatic with magazine up to 16, 20 and 28,
for a maximum of 56 positions



MOVEMENT

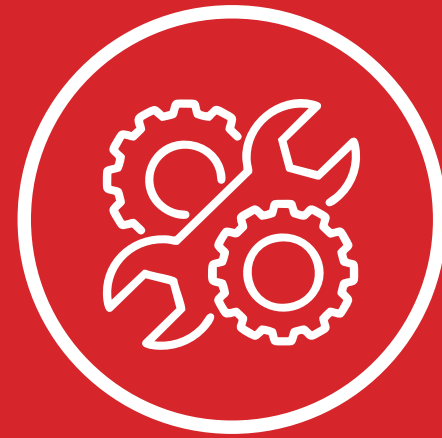
Rack and pinion gears for the X and Y axes.
Ball screw for the Z axis with brushless motors.



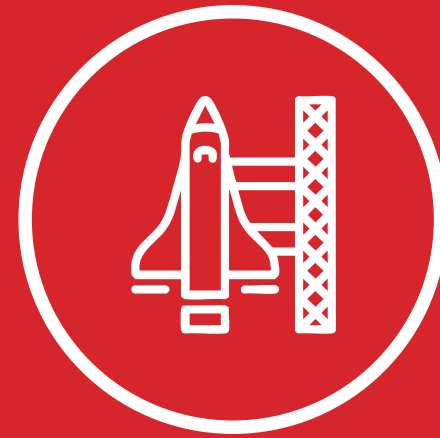
CNC SOFTWARE

Mitsubishi digital control with "high speed"
dynamic interpolation

FIELDS OF APPLICATION



MECHANICAL



AEROSPACE



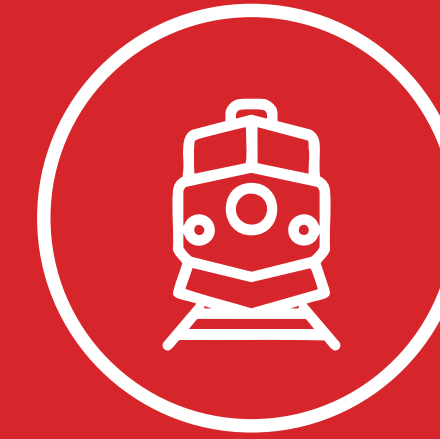
AUTOMOTIVE



NAVAL

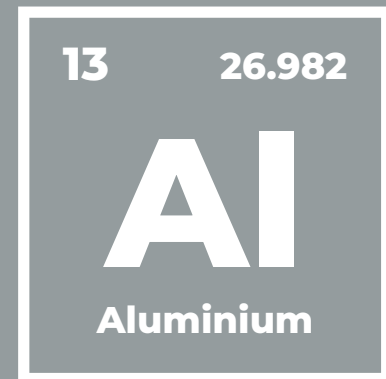


AUTOMATION



RAILWAY

WORKABLE MATERIALS



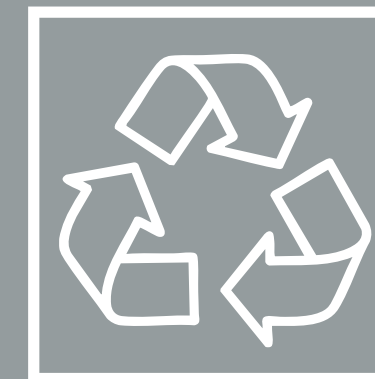
ALUMINUM

The processes carried out using **E-ADAPTIVE** can maintain extremely high precision standards.



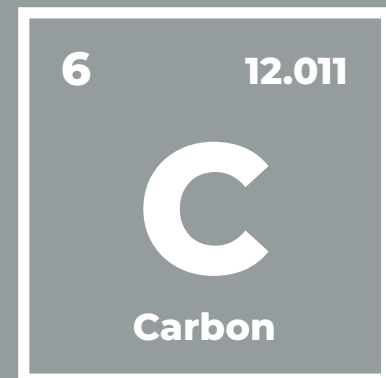
FABRICS & CANVAS

E-ADAPTIVE allows for advanced processing techniques to produce high-quality finishes.



PLASTICS & RESINS

E-ADAPTIVE allows for perfect surface finishes and tight tolerances, even on complex geometries.



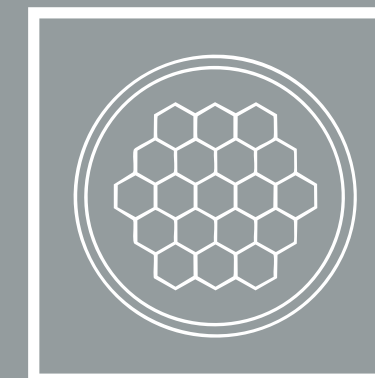
CARBON

E-ADAPTIVE is designed for advanced machining techniques and for producing high-quality finishes.



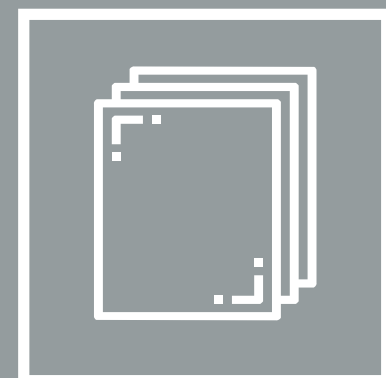
WOODS & DERIVATIVES

Natural or reconstituted materials, they allow for precise work on custom furniture, prototypes, and designs.



FIBER RESIN

This materials need highly specific process requires the use of specialized parameters for precision that **E-ADAPTIVE** can assure.



TRESPA

E-ADAPTIVE ensures stability and precision even on difficult materials, guaranteeing high-quality and long-lasting finishes.



EXPANDED RUBBERS

Soft and versatile, they allow **E-ADAPTIVE** to perform rapid processing for gaskets, insulation, and technical packaging.



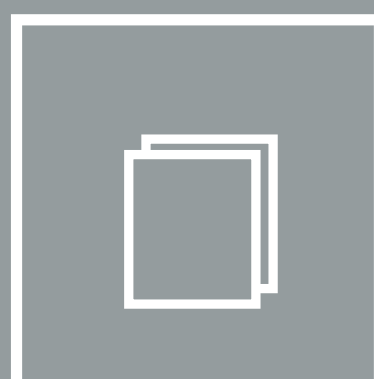
BIOSOLUBLES

The **E-ADAPTIVE** CNC process delivers the high precision necessary for these specialized, high-value materials.



ACM

E-ADAPTIVE ensures the material remains stable, preventing warping and achieving a clean, burr-free finish.



SANDWICH PANELS

E-ADAPTIVE is essential for cutting, milling, and nesting large sheets efficiently while maintaining the panel's crucial strength-to-weight ratio.



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