

The image shows a large industrial CNC cutting machine, the AE2500 K3ST, in a factory environment. The machine is primarily grey with red accents on its base and side panels. It features a large, curved overhead structure and a cutting head. The background shows a spacious industrial facility with high ceilings, structural beams, and other machinery. Two workers in red shirts are visible in the distance. A semi-transparent dark green overlay covers the lower-left portion of the image, containing the product name and description.

AE2500 K3ST

CNC Cutting Machine

Precision at Its Best

AE2500 K3ST

The AE2500 K3ST CNC cutting machine is a high-precision, high-performance solution designed to meet the demands of modern cutting and engraving applications. Engineered with a robust steel structure, advanced motion systems, and a user-friendly control interface, it ensures stability, accuracy, and efficiency in various industrial settings. Ideal for woodworking, sign-making, soft metal cutting, and more, this CNC machine delivers exceptional results with minimal operator effort.



APPLICATIONS

The AE2500 K3ST CNC cutting machine is suitable for a wide range of industries and materials, including

Woodworking

Ideal for crafting furniture, cabinetry, and decorative panels

Sign Making

Precise cutting and engraving for professional signage production

Plastic & Acrylic Cutting

Smooth, accurate cuts for display and advertising materials

Aluminum & Soft Metal Processing

Efficient machining of non-ferrous metals

Furniture Manufacturing

High-quality engraving and cutting for customized designs

Architectural & Decorative Panel Engraving

Perfect for intricate and detailed patterns

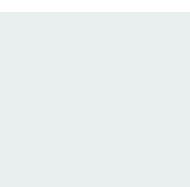
Model	AE2500 K3ST
Working Area	1300*2500*200mm
Control system	NK105 G2 control system
Spindle	3.5KW HQD air cooling spindle (0-18000RPM)
Structure	Whole steel structure
Motor and drivers	Stepper motor and drives
Rail guide	PNKE guide rails
Electronic components	CHNT electronic components
Working Table	Aluminum clamping table with T-slot
Limit switch	CHNT limit switch
X,Y axis transmission	High precision helical rack and pinion Z axis
Z axis transmission	Taiwan TBI ball screw transmission
Inverter	ZOYUAN inverter
Working Environment	Temperature :0°C-45°C Humidity: 30%-75%
Working Voltage	AC 380V 50HZ
Machine Weight	1000Kg
Overall Size	3150 x 2025 x 1869.08 mm





X,Y,Z Positioning Accuracy	±0.025mm
MAX. Traveling Speed	12m/Per minute
MAX. Working Speed	8m/Per minute*
Commend Code G Code	G Code

*Depends on the material)



AE2500 K3ST



Durable & Robust

A whole steel frame ensures longevity and stability



Unmatched Precision

3.5KW HQD air cooling spindle (0-18000RPM)



Guide rails

PNKE precision guide rails for stability and accuracy



Stepper motor and drives

High-performance stepper motor and drives for smooth motion



Working Table

Aluminum clamping table with T-slot for secure material placement



User-Friendly Interface

Intuitive NK105 G2 control system for seamless operation