



AE2500 K3SE

CNC Cutting Machine

Precision, Power &
Performance Redefined.

“Experience unmatched accuracy, high-speed cutting, and smooth motion with advanced servo motors. Perfect for woodworking, signage and metal fabrication.”

aeon

AEON DIGITAL ADVERTISING MATERIAL TRADING L.L.C

AE2500 K3SE

The AE2500 K3SE 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 K3SE 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

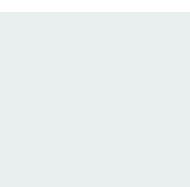
Model	AE2500 K3SE
Working Area	1300*2500*200mm
Control system	NK105 G2 control system
Spindle	3.5KW HQD air cooling spindle (0-18000RPM)
Structure	Whole steel structure
Motor and drivers	Servo motor and drives
Rail guide	PNKE guide rails
Electronic components	CHNT electronic components
Working Table	Vacuum 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	40,000 mm/min
MAX. Working Speed	25,000 mm/min*
Commend Code G Code	G Code

*Depends on the material



AE2500 K3SE



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



servo motor and drives

High-performance servo 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