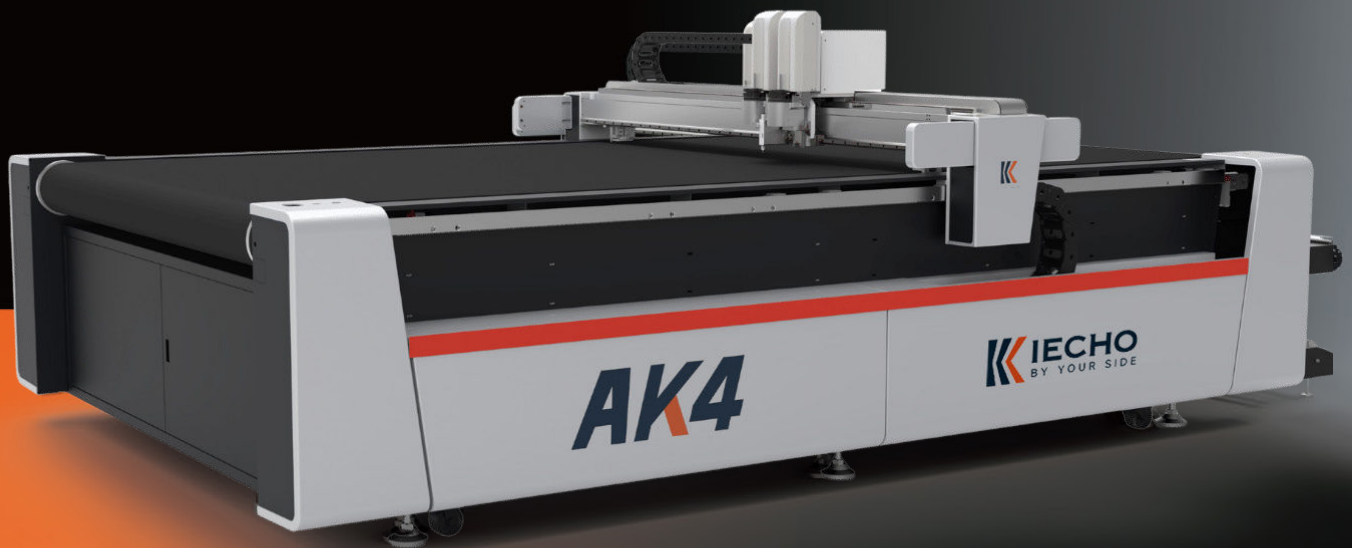


Precision Meets Intelligence in Digital Cutting

AK4

INTELLIGENT CUTTING SYSTEM

IECHO teams up with ARISTO, a German brand with over 100 years of heritage, to create the next-generation cutting solution.



The IECHO AK4 Intelligent Cutting System is a high-speed digital flatbed cutter built for modern production environments. Designed for single and low-layer material applications, it combines intelligent automation with robust structural engineering to deliver consistent, repeatable results at speed.

The AK4 processes through-cuts, milling, V-grooving, and marking in a single seamless workflow - eliminating the need for physical dies and significantly reducing manual handling.

Ideal for signage, automotive interiors, furniture, and composite materials, the AK4 sets a new benchmark for intelligent, versatile cutting.



AK4

Intelligent Cutting System

Key Features

Steel Spine Frame

Built on an integrated welded body structure validated through Finite Element Analysis, the AK4 frame delivers exceptional rigidity, reduced vibration, and long-term durability in demanding production environments.

Symmetrical Upper and Lower Guide Rails

Symmetrical guide rail mechanics and rack & pinion drive systems optimise the machine's centre of gravity, ensuring smoother motion, reduced wear, and improved cutting consistency across the full cutting bed.

Smart Suction Pulse Vacuum System

The AK4's intelligent vacuum system increases suction airflow by up to 60% compared to standard systems. This dramatically improves material fixation during cutting, leading to superior accuracy and edge quality across a wide range of media.

Industry Applications

The AK4 delivers automated cutting solutions across a wide range of industries, including:

Sign & Graphic	Banners, displays, labels, foam board, corrugated board, self-adhesive vinyl, aluminium composite
Automotive Interiors	Interior trim, headliners, seat covers, gaskets
Furniture	Upholstery fabric, foam, leather, rigid panels
Composite Materials	Fibre-reinforced plastics, technical textiles

Technical Specifications

Model	AK4-2516
Effective Cutting Area	2500 × 1600mm
Machine Size (L × W × H)	3450 × 2300 × 1350mm
Maximum Cutting Speed	1,500 mm/s
Maximum Cutting Thickness	50mm
Cutting Accuracy	0.1mm
Supported File Formats	DXF / HPGL
Suction Media	Vacuum
Pump Power	7.5 KW
Power Supply	415V/50Hz
Operating Environment	Temperature: 0°C–40°C Humidity: 20%–80% RH