



Arrow Digital Pvt. Ltd.

DIGITAL FINISHER

Advanced Flatbed Cutter

Engineered for Signage | Display graphics |
Packaging | Decals | Textile & More.



Arrow Cut
Nexa 510

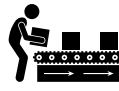
Next-generation digital flatbed cutting solution built to empower industries like packaging, signage, textiles, and labels with unmatched accuracy, versatility, and reliability. Designed with a robust steel frame, high-speed tool carriage, and a multi-zoned vacuum table, this powerhouse machine is engineered to handle everything from intricate kiss-cuts to heavy-duty routing — all while delivering exceptional output at speeds up to 100 meters per minute. Whether you're running prototypes, short batches, or full production runs, the ArrowCut Nexa 510 is built to finish what others can't start.

Unique Feature



Heavy-Duty Frame

Ensures Long-lasting Durability



Conveyor Belt Vacuum Table

For Smooth Material Movement



Multiple Tool Combinations

For Unmatched Versatility



High-speed Output

Up To 100 Meters Per Minute



Tool Options

Milling Tool

High-speed 3.7HP milling router (40,000 RPM) for precise cutting of dense materials like acrylic and aluminum.



Oscillating Knife

Cuts medium-density materials like PVC (up to 10mm) at 300–1200 mm/s with 17,000–21,000 RPM and multiple blade options.



Creasing Tool

Operates at 800–1500 mm/s, ideal for up to 7mm thick corrugated, cardboard, and hollow sheets with interchangeable wheels.



Kiss Cut Tool

Cuts at 300–1500 mm/s, precisely trimming top layers without damaging the backing—perfect for labels and stickers.



V-CUT Tool

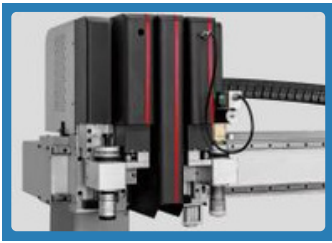
V-Cut Tool enables precise 45° cuts in foam core and sandwich boards for beveled edges, folds, and 3D structures.



Positive Rotary Tool

Ensures clean, fray-free cuts in textiles and fibrous materials with continuous rotary motion.





Tool Carriage

An independent Z-axis modular design, supporting multiple tools like oscillating knife, kiss-cut, spindle, and more



Operation Stand

Movable standalone stand holds PC and control unit for streamlined, efficient operation.



Helical Gear Rack

High-precision helical gear rack ensures smoother motion and delivers more accurate cutting performance.



Linear Square Rails

High-quality linear square rails on XYZ axes ensure superior rigidity, shock resistance, and precision—ideal for demanding cutting tasks.

System Overview



Planetary Gear Box

Minimizes vibration during cutting, ensuring exceptionally smooth and clean cutting edges.

End-Use Scenarios

Packaging

Cartons, corrugated, folding boxes



Labels & Decals

Produce short-run labels & decals



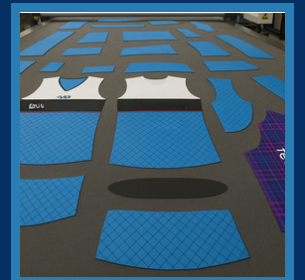
Rigid Materials

MDF, acrylic, wood panels



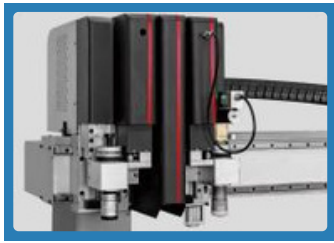
Sign & Display

Foam board, ACP, backlit films



Textiles

Roll media, soft signage, apparel



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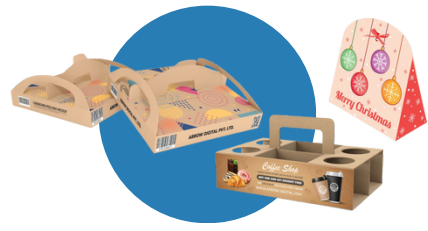
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Specifications

Feature	Description
Multiple Tool Configuration	Supports dual or triple tools – including router, oscillating knife, and creasing wheel
High-Speed Cutting	Up to 100 meters/min – ideal for short runs and mass production
CCD Registration System	Industrial-grade camera for perfect alignment and contour cutting
User-Friendly Interface	Network-enabled control for remote diagnostics and upgrades

Control System	Self-developed & network-enabled	Working Area (X×Y)	1600 × 3200 mm (5×10 ft)
Table Type	Conveyor vacuum + T-slot	Z-Axis Stroke	140 mm
Weight	1800–2000 kg	Max Speed	100 m/min
Dimensions (L×W×H)	4600 × 3500 × 2000 mm	Accuracy	≤ 0.05 mm
		Transmission System	Helical rack & pinion + ball screw

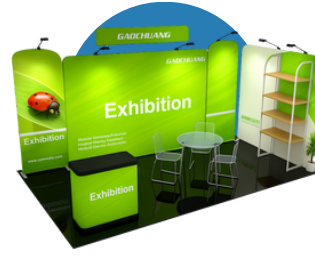
Applications



Corrugated Boxes



POP Display



Exhibition Panel



Foam Board Standee



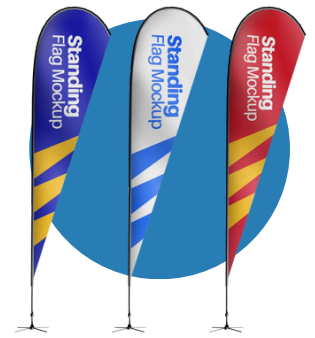
Cut Danglers



Acrylic Cutting Cutout Letters



Cut Decals



Soft Signage



ACP Sheets



Fleet Graphics



Acoustic panels



Contour Cut Coroplast Signs



ArrowJet

ArrowCut

Canon

ColorGATE

efi

VUTEK

FOTOPA

Formech

GERBER TECHNOLOGY

KONGSBERG Precision Cutting Systems



Kornit Digital bonding matters

Limitronic LIMITLESS ATTITUDE

MASSIVIT

MULTICAM Complete CNC Solutions

ONYX



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