

KARTECH



FLATBED DIGITAL CUTTING SOLUTIONS



KT-1625 / 1325 / 1313



Authorized Dealer

شركة النجم الرقمي للألات و المعدات
DIGITAL STAR MACHINERY AND EQUIPMENTS

Source of Digital Solutions...

Welcome to Digital Star, your trusted partner in the world of cutting-edge printing solutions. As a leading printing machines, materials, and ink authorized dealer in Riyadh – Saudi Arabia (KSA), we pride ourselves on delivering state-of-the-art technology that empowers to achieve unparalleled levels of efficiency and quality.

At Digital Star, we understand the pivotal role that printing machinery plays in the success of your operations. With a commitment to innovation and excellence, we curate a diverse range of top-tier printing machines to meet the unique needs of our clients. Our product line-up reflects the latest advancements in the industry.

As a responsible printing machines supplier, we prioritize sustainability. Our commitment to eco-friendly practices is reflected in the products we offer, promoting energy efficiency and environmentally conscious manufacturing processes. When you choose Digital Star, you're not just investing in cutting-edge technology – you're partnering with a company that values the planet as much as your success.



KT SERIES

PRODUCT OVERVIEW

ULTRA HIGH END MUL TI-FUNCTION CUTTING MACHINE

Auto position system/Conveyer Table/Partition absorption Full import servo motor/Multi-tools for option.



WIDE RANGE OF TOOLS AVAILABLE

Can be adapted to drag knife, vibration knife, milling knife, half-cutting knife, beveling knife, V groove knife, indentation knife, active wheel knife, etc., according to the needs of different industries free combination of standard cutting head according to the needs of different industries, can flexibly respond to new material processing requirements.

CUTTING MATERIALS

All kinds of corrugated cardboard, Yellow PVC foam board.Acrylic, KT board, Alumin Car sticker, adhesive, reflective film, Photo cardboard Red cardboard.PVC board, Honeycomb Board, umplastic board.Fiber midsole and rubber board.Thick foam, paper, Photo PVC.etc.

STANDARD TOOLS

TOOL	APPLICATION
DRAG KNIFE	
	<p>By quickly moving the blade, the material cutting processing is achieved. It allows cutting materials at the fastest processing speed, high costperformance ratio, and low maintenance cost. Paired with blades of different angles, the best cutting effect for different materials is achieved.</p> <p>Product Application: Suitable for processing PP paper, PP adhesive, reflective material, car stickers, ABS plastic, thin plastic, rubber cloth, faux leather, KT board, foam board, cardboard, soft glass, etc.</p> <p>Product Advantages: Simple maintenance</p> <p>Product Parameters:</p> <ul style="list-style-type: none"> • Cuttable thickness: less than 10mm • Cutting blade thickness: 0.6mm <p>Recommended Cutting Speed: 150-700mm/s</p>
CREASING TOOL	
	<p>By rolling a circular wheel over the material, an indentation effect is produced on the material. Paired with wheels of different specifications, different indentation effects are achieved.</p> <p>Product Application: Suitable for processing corrugated paper, cardboard, and corrugated plastic board.</p> <p>Product Advantages:</p> <ul style="list-style-type: none"> • Quick wheel replacement <p>Product Parameters:</p> <ul style="list-style-type: none"> • Processing thickness: <5mm • Wheel width: 13mm <p>Recommended Cutting Speed: 300-500mm/s</p>

OSCILLATING CUTTING TOOLS (OCT)



Driven by a motor, the blade moves at an ultra-high speed in a reciprocating manner to cut materials. Especially suitable for medium-density material cutting and shaping. Different blades can be paired for various material processing.

Product Application: Suitable for materials such as advertising KT board, foam board, ABS plastic, corrugated plastic board, corrugated paper, cardboard, grey board, coil footpads, carpets, sealing ring, carbon fiber pre-impregnated materials, etc.

Product Advantages:

- Adjustable vibration frequency
- Replaceable blade holder (supports blade thicknesses of 0.63mm, 1mm)

Product Parameters:

- Cutting blade thickness: 0.6mm/1mm
- Motor RPM: 0~18000
- Motor Power: 100W
- Amplification: 1mm

Recommended Cutting Speed: 150–300mm/s

KISS CUTTING TOOL



By automatically adjusting the position of the knife tip, precise depth positioning cutting of the material is achieved, realizing only cutting through the top half of the material without cutting the bottom half.

Product Application: Suitable for processing labels, stickers, car stickers, reflective stickers, magnetic stickers, PP paper, PP adhesive, rubber cloth, faux leather, cardboard, soft glass, etc.

Product Advantages: High Efficiency

Product Parameters:

- Cuttable thickness: less than 2mm
- Diameter of cutting blade: 2mm

Recommended Cutting Speed: 300–500mm/s

PNEUMATIC OSCILLATING TOOL



Driven by compressed air, the blade moves at high speed in a reciprocating manner to cut materials. Suitable for medium and low-density soft thick materials, as well as dense, tougher thin materials. Paired with different blades, various material processing is achieved.

Product Application: Suitable for processing pearl foam, sponge, EVA, and other foaming materials, as well as shoe sole materials, etc.

Product Advantages:

- Large amplitude
- Strong force
- Replaceable blade holder

Product Parameters:

- Supports blade thickness: 0.6mm/1mm
- Cutting thickness: <10mm
- Amplification: 7–10mm
- Working pressure: <0.8Mpa
- Air tube: 6/8/10mm

Recommended Cutting Speed: 700mm/s

SPINDLE/MILLING TOOL



The milling cutter head uses a high-power high-speed motor, driving the milling cutter to rotate at high speed to cut the material. Paired with motors of different speeds, it achieves the best cutting effect for different materials.

Product Application: Suitable for processing acrylic, aluminum plastic board, and density board.

Product Advantages: Ultra-high rotation speed; replaceable nozzle.

Product Parameters:

- Processing thickness: <10mm
- Motor RPM: 60000
- Motor power: 720W
- Nozzle size: ER-3/ER-8

Recommended Cutting Speed: 300~800mm/s

CIRCULAR CUTTING TOOL



Driven by a motor, the blade rotates at high speed to cut materials. Especially suitable for weaving materials, fabric, thin copper skin cutting, and shaping. Paired with various blades, different material processing is achieved.

Product Application: Suitable for materials such as sheared wool, UV fabric, carbon fiber, glass fiber, banner, flag cloth, blackout cloth, and other textiles.

Product Advantages:

- Adjustable rotation speed
- Replaceable blade diameter

Product Parameters:

- Processing thickness: <5mm
- Cutting blade thickness: 0.6mm
- Motor RPM: 13000
- Motor power: 250W

Recommended Cutting Speed: 300~500mm/s

V-KNIFE



The bevel knife processes different specifications of V-grooves and bevels by changing the installation angle of the blade (0°, 15°, 22.5°, 30°, 45°).

Product Application: Suitable for processing soft glass, PVC, honeycomb board, KT board, corrugated paper, vertical corrugated board, greyboard, etc.

Product Advantages:

- Simple and precise angle adjustment

Product Parameters:

- Processing thickness: <13mm
- Cutting blade thickness: 0.6mm/1mm
- 30/45/60/90

Recommended Cutting Speed: 300~700mm/s

PUNCHING TOOL (OPTIONAL)



By driving the punch head to move up and down through the cylinder, cutting of the object is achieved.

Product Application: Suitable for processing materials such as soft glass, honeycomb board, KT board, corrugated paper, greyboard, leather, and fabric.

Product Advantages: High efficiency

Product Parameters:

- Processing thickness: <5mm
- Motor power: 170W
- Air tube: 6mm
- Motor RPM: 6000
- Working pressure: <0.8Mpa
- Punch Diameter: 2/3/4/5mm

Recommended Cutting Speed: 700mm/s

INDUSTRY APPLICATION

SELECTION OF TOOLS BY INDUSTRY

ADVERTISING MAKING INDUSTRY



OSCILLATING TOOL

- KT board (Foam board)
- PVC sheets below 5mm thickness
- Specializes in cutting flexible materials of a certain thickness

KISS-CUT TOOL

- Self-adhesive paper
- Rolled materials, photographic paper
- Specializes in cutting thin & flexible materials. It is more suitable for cutting small graphics compared to the drag knife, and it comes at a lower cost but with less force.

MILLING TOOL

- PVC above 5mm thickness
- Acrylic
- Specializes in cutting hard materials with a certain thickness.

DRAG KNIFE

- Rolled materials, photographic paper
- Self-adhesive paper
- Cardboard
- KT board
- Specializes in cutting thin and flexible materials.

PACKAGING INDUSTRY

CREASING TOOL

- Indenting on cardboard, corrugated paper for bending.

PNEUMATIC KNIFE

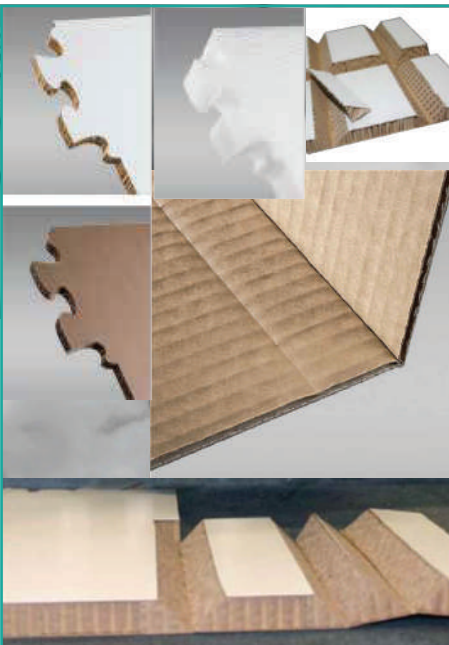
- Cutting cardboard, corrugated paper, foam, sponge, EVA, pearl foam

V-KNIFE

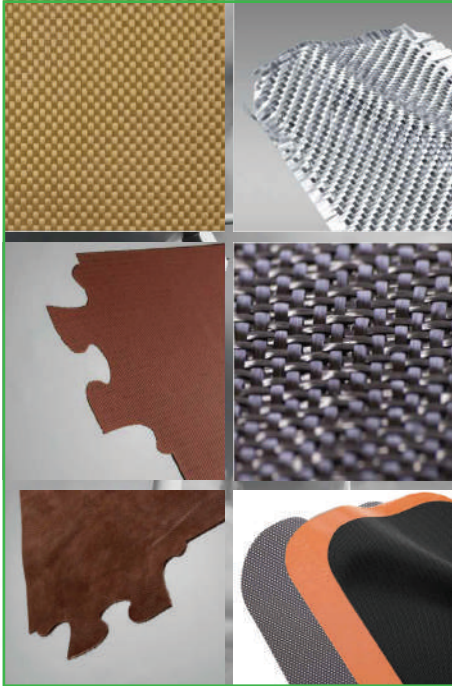
- Multi-angle slotting on thicker corrugated paper, PVC, honeycomb board, Greyboard, and other core materials for bending

OSCILLATING KNIFE

- Cutting cardboard, corrugated paper below 5mm.



CLOTHING INDUSTRY



CIRCULAR KNIFE

- Used for cutting single-layer textiles, woolen fabric, carbon fiber, fiberglass, blackout fabric, etc. It operates at extremely high speeds and excels in cutting single-layer large patterns and large-angle shapes but may result in significant over-cutting. It is not suitable for cutting small graphics.

PUNCHING KNIFE

- Designed for punching holes in leather & single-layer materials. It is used to handle intricate shapes that cannot be cut with vibrating or pneumatic knives.

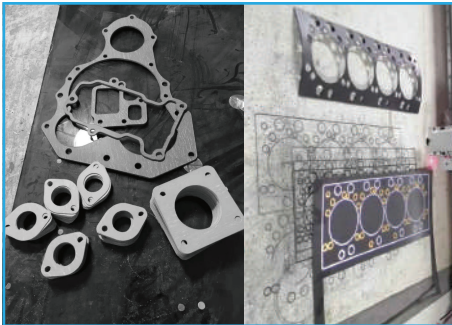
OSCILLATING KNIFE

- Used for cutting soft leather, single-layer materials, and fewer layers of materials such as foam. It has a wide range of applications and offers cost advantages.

PNEUMATIC KNIFE

- Ideal for cutting leather, multiple layers of materials, and foam. It is proficient at cutting leather and multiple layers of materials, offering substantial cutting force to easily handle harder materials

SEALING RING INDUSTRY



PNEUMATIC TOOL

- Used for almost all non-metallic gasket products in the Sealing Ring Industry.

PROJECTOR

- Used for cutting positioning.

CAR FOOTPAD MAKING



OSCILLATING KNIFE

- Used for almost all car footpad products in the Sealing Ring Industry.

FLATBED DIGITAL

CUTTING SOLUTIONS
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KT SERIES

Other Options Items:

A. Auto Sheet Feeding Device



Fit Model	Loading Size	Machine Loading Weight
KT-90XX	900*1200mm	250kgs
KT-13XX	1300*1300mm	320kgs
KT-16XX	1600*2500mm	420kgs

B. Heavy-duty roll loading Device

Fit Width	Loading Size	Max Loading Weight
KT-90XX	950mm	200kgs
KT-13XX	1350mm	300kgs
KT-16XX	1650mm	400kgs



C. Hot-Wind Flatten Device

Fit Model
KT-13XX
KT-16XX

PRODUCT SAMPLES



VINYL STICKER



PRINTED BOX



PP BOX



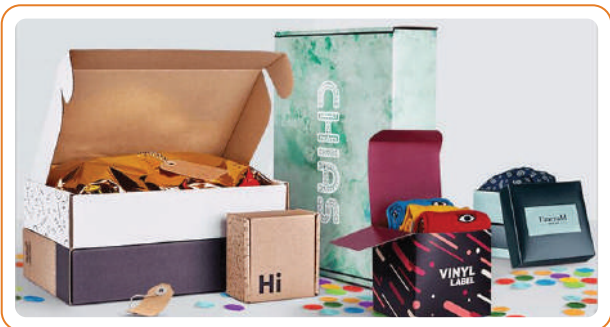
CREATIVE DESIGN



GIFT BOX



POP SIGNAGE



CORRUGATED BOX



MAGNETIC STICKER

MACHINE SIZES

MODEL	WORKING SIZE	TYPE OF COUNTERTOP
KT-9012	900*1200MM	Converyor/ Stationary
KT-1313	1300*1300	Converyor/ Stationary
KT-1325	1300*2500	Converyor/ Stationary
KT-1625	1600*2500MM	Converyor/ Stationary
KT-2540	2500*4000MM	Converyor
KT-3230	3200*3000	Converyor

PRODUCT SPECIFICATION

Model	KT-1625	KT-1325	KT-1313
Effective Cutting Area	2500x1600mm	2500X1300mm	1300x1300mm
Air Pump Power	7.5KW		
Total Power	9.5KW		
Cutting Speed	300-1800mm/s (according to different materials)		
Cutting Thickness	≤ 50mm (according to different materials)		
Working Environment	Temperature: 0°C-35°C Humidity:35%-80%		
Transmisson System	High-end servo motor drive,imported liner guides		
Working voltage/Power	AC 380V/220V±10%50HZ		
File system	Compatible with HPGUPLT/DXF etc.		
Transmission Port	Standard network Port		
Fixed Method	Vacuum adsorption		
Operation Interface	Touch Screen		
Feeding Method	Imported crawler automatic feeding method		
	(can be cut in unlimited length)		
Standard Tools	Drag Knife Creasing Tool Oscillating Cutting Tool (OCT)		
	Kiss cutting Tool Pneumatic Oscillating Tool Spindle/ Milling		
	Tool Circular Cutting Tool V-Knife		

*Specifications are subject to change without prior notice, all rights reserved.

*Optional Tools: The tools that need to purchase seperatly, as per your job requirements.

SYSTEM REQUIREMENTS (PC's)

Refer to the appropriate section below for the minimum and recommended computer system requirements necessary to use this machine.

Operating System*	Windows 10 (64 Bit) or Later
Processor	i7 - 2.6 GHz or faster
Memory (RAM)	Min. 8GB
Video Card and Monitor	1280x1024 or Higher Resolution
Working Hard Disk Space	1 TB SSD or more recommended
Graphics Card	2GB or more (Optional)
Optical drive	DVD-ROM
Other requirements	Ethernet connection for network capable printers
	Available USB ports
Recommended Brand	Lenovo / Dell

* Note: You can use a laptop or desktop computer

* Use the original operating system and software. If you are using pirated operating system or software, we are not responsible for any damage to Machine workings, and also the warranty terms will become void.



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KT SERIES

Terms and Conditions

01. Payment to be made in SAR currency.
02. Payment Terms : As mentioned in Quotation.
03. Bank Charges: Any bank charges relevant to the above transactions will be to your account.
04. Any charges, duties, taxes or levies at the ports of entry will be to our account.
05. The charges of loading, boarding and local conveyance of the technician will be to our account.
06. Any required electrical, mechanical and civil site preparation should be done by the customer according to our engineer's requirements.
07. Digital Star Machinery and Equipments will not be held responsible for delays caused by any damage in the equipment due to shipment, unloading accidents & any related reasons, which is beyond our control.
08. Warranty will be applicable as per our Warranty Policies. The Warranty will be valid after signing of Warranty Policies.
09. Service will be free of cost within 12 months from the date of installation.
10. Any claim will be invoice directly to you then we will send for claiming procedure which will take 45-60 days, if the claim got approved credit note will issued directly.
11. Delivery: As mentioned in quotation

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