

KM Software Leading to a New World with Machines

Everything is connected with KM software.

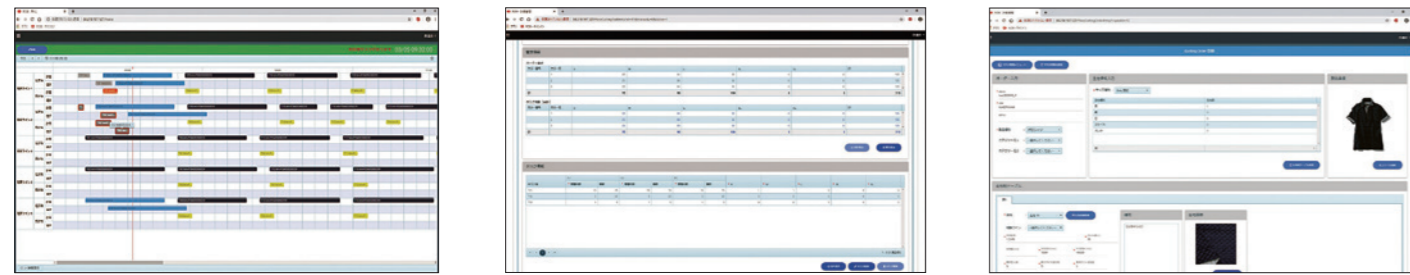


- Easy management via the Internet
- Creating cutting and spreading plan
- Directly instruct the operator
- Inventory management of production materials
- Easily register and input materials for management
- Fast and accurate cutting instructions

Cloud type Spreading and cutting plan

Management software
Manage all plans and schedules.
km-PCM

Cloud type database with no server required
Software that can manage spreading, cutting, and scheduling.
The system is equipped with functions that excel in cutting planning, which is beneficial to producer.



Progress management of spreading and cutting schedules Automatic creation of spreading and cutting plan Create Order

- Automatically calculate the number of spreading by entering the number of products with marker. Multiple size combinations are supported.
- Automatic prediction of spreading time and cutting time to accurately create a plan within working hours.
- It is possible to check the situation of spreading and cutting by the progress monitor in real time from any location.
- It is possible to check the operation rate and situation (error content) of automatic spreading and cutting machines in real time from any location.
- Search and check the scheduled and end date of cutting from any location.

Cloud type Fabric Accessories stock Management software

Inventory management of fabrics and accessories
km-FIM

Cloud type database with no server required
Manage fabrics, accessories, and consumables required for production.
After registration, you can quickly search for the products you want, so you can produce them without waste.



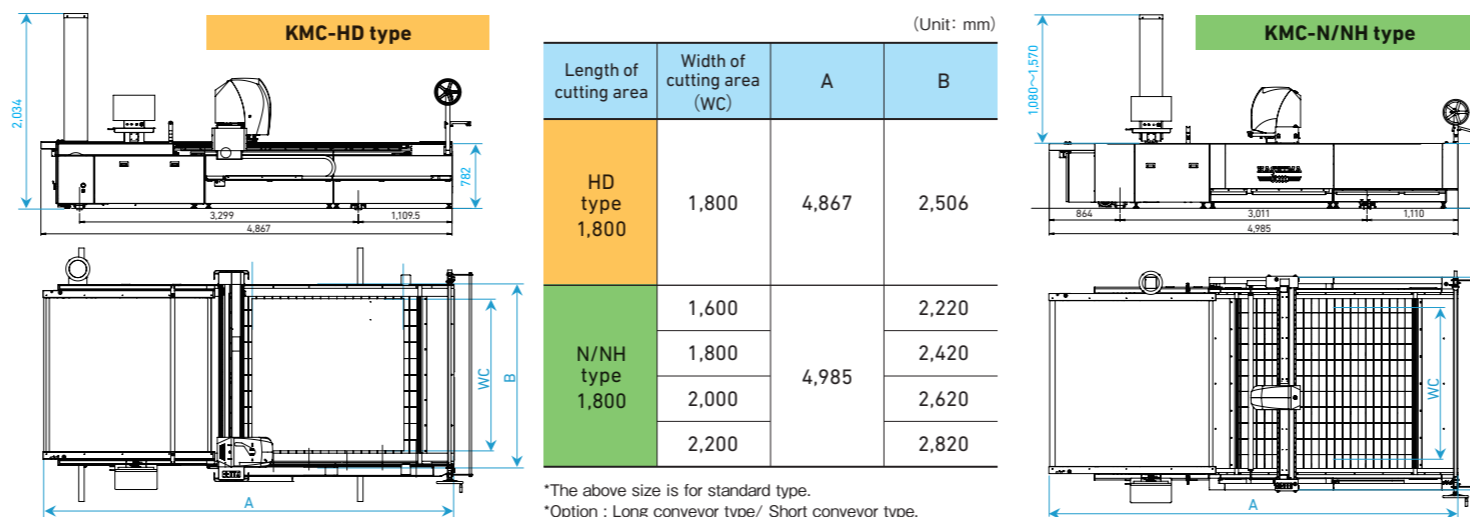
Inventory control screen Create inventory schedule Inventory Search

- The cloud style database is easy to install and inexpensive to operate.
- Quantity control of a wide range of fabrics and accessories.
- It is possible to check the quantity of managed numbers at any location.
- Accurate quantity management by direct input at each location when controlled items are received or used.
- Fabrics can be managed by color, by lot, and by remaining fabric.
- The QR code can be printed out by a printer and attached to each controlled item for management. (Option)

Specification

Model	KMC-718HD	KMC-3XXN	KMC-5XXN	KMC-7XXN / NH	KMC-9XXNH
Max. cutting height	70mm	30mm	50mm	70mm	90mm
Width of cutting area	1,800mm	1,600mm / 1,800mm / 2,000mm / 2,200mm			
Length of cutting area	1,800mm	1,300mm / 1,800mm			
Length of cutting table	820mm	770mm ~ 850mm			
Cutting method	Knife reciprocation				
Cutting speed	1~50m/min	1~80m/min	1~60m/min		
Drill	Standard Marking Drill: 1.5~3.0mm / Option Reinforced punch No.1~3: 3~20mm				
Knife sharpening	Sharpening belt				
Vacuum method	Turbo type automatic suction pressure control				
Operation side	Standard: Left side / Option: Right side				
Cutting conveyor	Nylon bristles				
Safety stop device	Bumper type	Standard: Bumper type / Option: Sensor recognition			
Power	27KW	20KW	20KW (N) / 27KW (NH)	27KW	
PC for operation	Universal PC / OS: Windows 10, 64bit				
Display	20 inches, LCD				
Data entry media	LAN, USB				
Data format	GBR / CAM / NC / CUT / KMC				
Language	Japanese / English / Chinese / Vietnamese / Korean				
Air supply	0.5Mpa, 70NL/min. (Option Knife cooler: 350NL/min.)				
Sound	<75dB				
Weight	4,500kg	2,000kg ~ 2,600kg			
Usage environment	Temperature: 10~43°C / Humidity: <95%				

Dimensions



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AGENT

KMC-HD



Leading the New Era

KMC Multi-ply Auto Cutter



KMC-N Series



Reliable "KM" Brand Combining 100 years of KM history with the latest IoT technology for the best cutting.

KMC-HD Series

The KMC is now available in an advanced model with even more functionality and durability!

- Sharpening method
- Turbo blower automatic suction
- Knife edge auto-measurement sensors
- Cutting head with LED light
- Easy Operation

In addition to the conventional functions, the body appearance has been slimmed down, and the cutting capacity, fixing force, and durability have been increased. More stable performance from start to finish of cutting. Faster and more accurate cutting of even hard materials by holding the material with strong suction staying power. This automatic cutting machine meets the customers who require high-level cutting as a Heavy duty model.

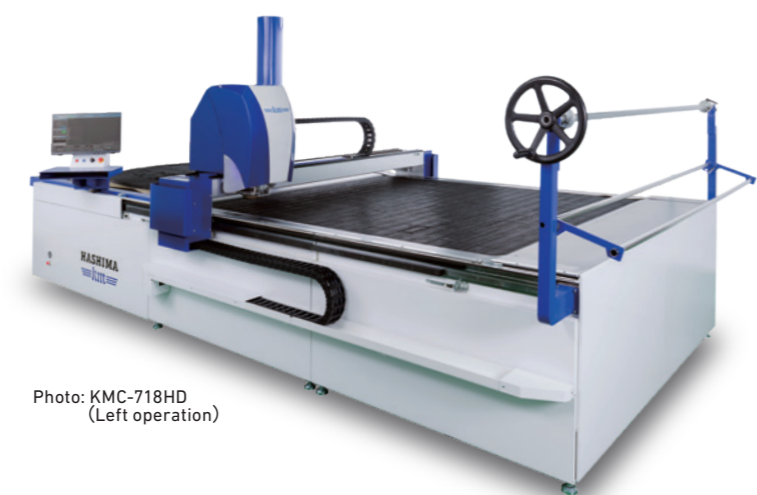
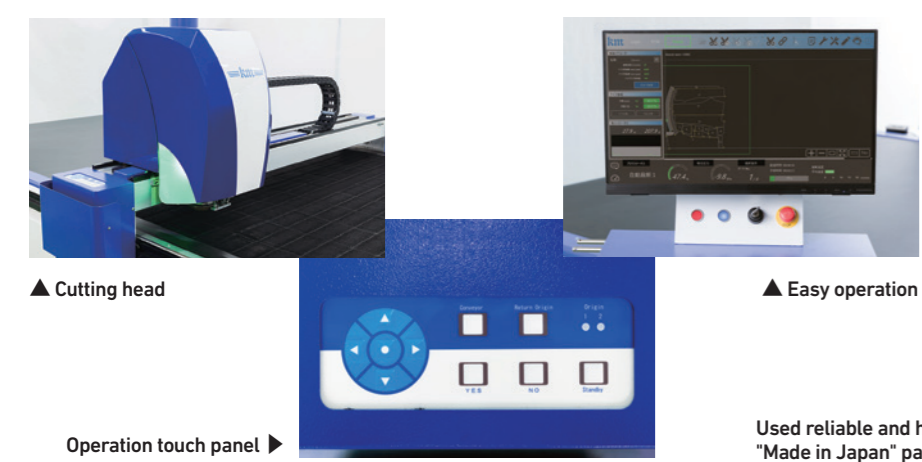


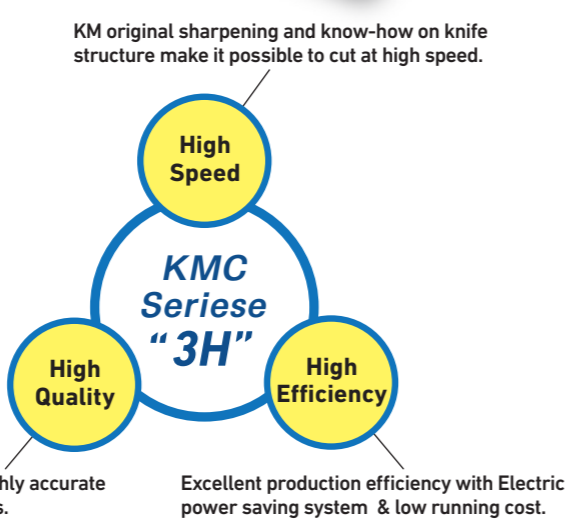
Photo: KMC-718HD (Left operation)

Ideal for this type of cutting. >>>



▲ Cutting head ▲ Easy operation

Operation touch panel ▶



KM original sharpening and know-how on knife structure make it possible to cut at high speed.

KMC-N Series

Standard type high performance automatic cutting machine with variations to suit different applications.

- Sharpening method
- Turbo blower automatic suction
- Knife edge auto-measurement sensors
- Cutting head with LED light
- Easy Operation

Standard model equipped with a new cutting head that excels in durability and cutting capacity. It can be used for a wide range of applications, and the optimum size and power can be selected.

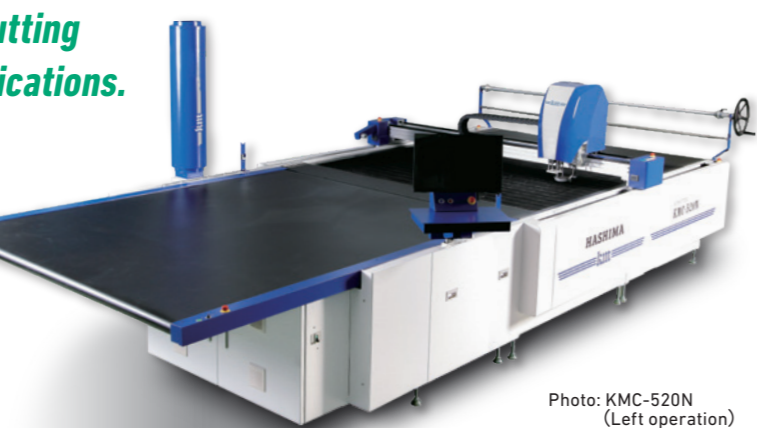


Photo: KMC-520N (Left operation)

Ideal for this type of cutting. >>>

FEATURES

- The cutting head designed as KM original has the excellent cutting quality, and achieved to make over-haul maintenance time drastically shorter. Status indication by LED.
- Belt type of sharpener is equipped with, as the most important device to keep the best condition of knife edge.
- Large screen monitor. Displays text to assist you in your work.
- Knife edge auto-measurement sensors catch the exact knife width after every sharpening, and assist the precision cutting.
- By Vacuum pressure preservation system, the pressure to hold fabrics can be kept at the same level during auto-cutting
- All the necessary motion status can be accumulated in the system as the report, and technician can grasp the machine condition clearly by checking the reports

STANDARD EQUIPMENTS

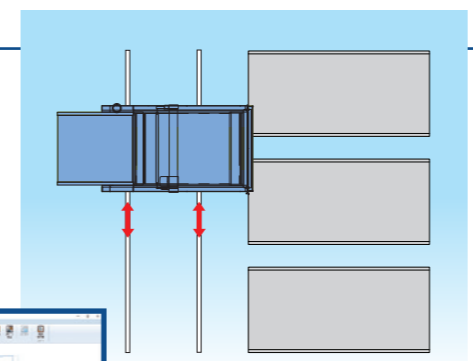
- Knife width auto measurement sensors
- Recovering sheet
- Knife stress cancelling
- Conveyor cleaning device
- Marking drill
- UPS
- Zero Buffer
- Exhaust air silencer
- Remnant cut
- Optional stop for matching



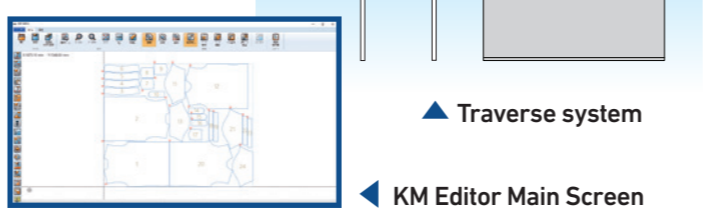
▲ Movable operating PC table

OPTION

- Punch drill unit—Multiple 2/3/4 drill puncher
- Knife cooler
- Long/Short conveyor
- Signal tower
- Projector system for Pattern matching
- Barcode reader
- Optional stop with CCD camer
- Traverse system
- 20-inch LCD touch panel motor
- Cut editing software "KM-Editor"
 - Cut sequence/Cutting direction/Start point amendment
 - Making additional points of Over-cut/ Heel-cut
 - Notch edit
 - Others



▲ Traverse system



◀ KM Editor Main Screen

KMC LINE-UP

Denim・Car seat High-ply cutting effect. Multi-ply cutting head, 70mm cutting height.	KMC-718HD
Standard model, suitable to a various use. Multi-ply cutting head, 50mm/70mm cutting height.	KMC-516N / 518N / 520N / 522N / 716N(NH) / 718N(NH) / 720N(NH) / 722N(NH)
Knit High-ply cutting effect. Multi-ply cutting head, 90mm cutting height.	KMC-918NH / 920NH / 922NH
High precision & High speed cutting effect. Multi-ply cutting head, 30mm cutting height.	KMC-316N / 318N / 320N / 322N

FULL AUTOMATIC LABELER

KMLB SERIES

The machine grasps the marker data by using a labeler. Sticking the label stickers on the fabric and no need for cutting marker paper. Using with the KMC Series Multi-ply Auto Cutter, the process from spreading to cutting can be labor-saving.

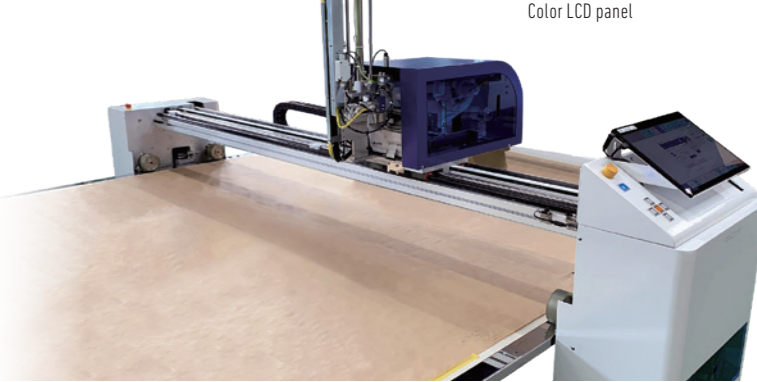
- High speed, Accurate, Stable**
High speed, Accurate, Stable labeling. No marker paper is needed.
- Easy Operation**
The large touch screen makes it easy for anyone to operate.
- High performance thermal printer**
Thermal printing for high speed and low cost. Low-adhesive stickers for stable labeling.



Label and printing example

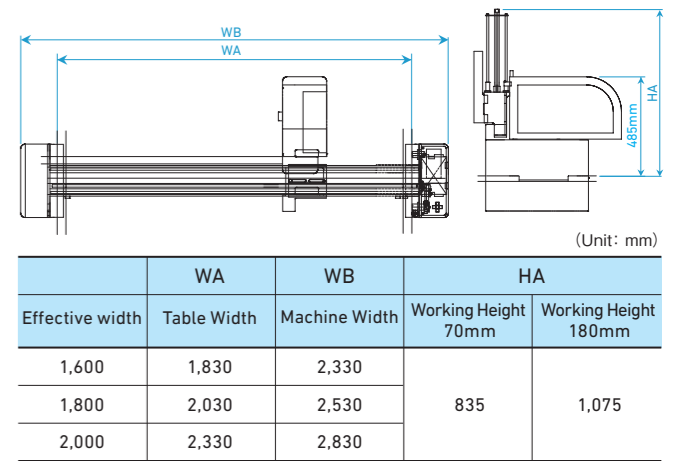


Color LCD panel



Model	KMLB-X16	KMLB-X18	KMLB-X20
Working width	1,600mm	1,800mm	2,000mm
Working height	70mm / 180mm		
Working Tact	3sec/sheet		
Label size	Width: 32mm Length: 25mm (Standard)		
Label reel	4,000 sheets of weak adhesive labels		
Printing method	Thermal printing		
Printing characters	Japanese / Alphanumeric / Barcode / QRcode		
Print font	JIS (Japanese) / ASCII (Alphanumeric) Character size: 3mm~		
Data command	Gerber format M31 command		
Input power	AC-220V (2 phase Input) power Trolley type		

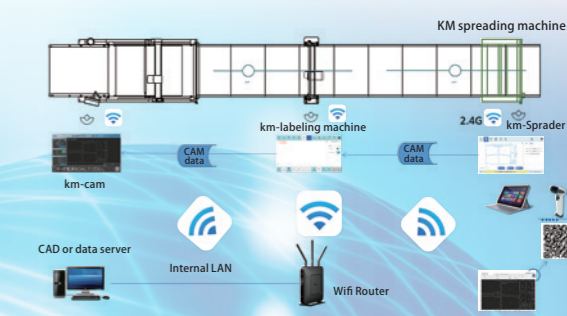
Machine dimensions



km-LINK



Fabric Scratch Entry Registration Work Schedule Registration



The Spreading machine → Labeler → Software that connects automatic cutting machines and easily supports a series of operations

- The marker data is read in, and the spreading length and number of sheets are automatically input.
- Possible to be reserved spreading schedule by either QR code or file search.
- If the margin length before and after spreading is registered in advance according to the fabric, it will be automatically reflected in the spreading length.
- A marker diagram is displayed on the tablet screen, showing the position of the spreading in real time.
- Possible to check and register the location of scratches on the fabric.
- Automatically transfers tasks to the next process (KM labeler/KM automatic cutting machine) at the end of spreading.



Tablet attached to spreading machine