

## KM Software Leading to a New World with Machines

Everything is connected with KM software.



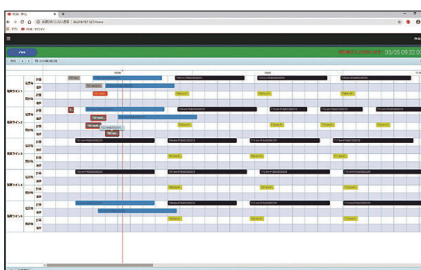
- Easy management via the Internet
- Creating cutting and spreading plan
- Directly instruct the operator
- Inventory management of production materials
- Easily register and input materials for management
- Fast and accurate cutting instructions

### Cloud type Spreading and cutting plan

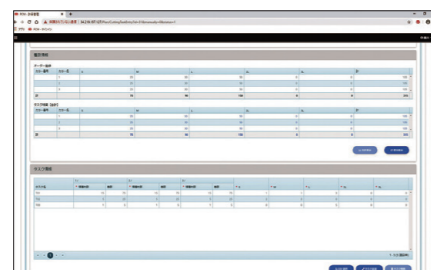
Management software  
Manage all plans and schedules.

## km-PCM

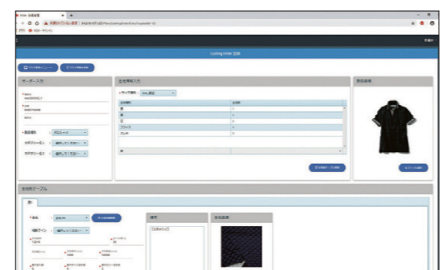
Cloud type database with no server required  
Software that can manage spreading, cutting, and scheduling.  
The system is equipped with functions that excel in cutting planning, which is beneficial to producer.



Progress management of spreading and cutting schedules



Automatic creation of spreading and cutting plan



Create Order

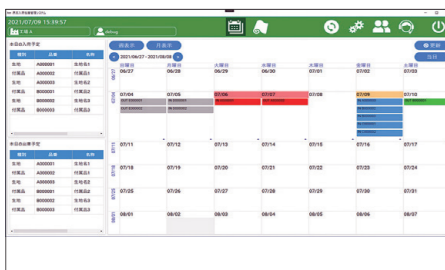
- Automatically calculate the number of spreading by entering the number of products with marker. Multiple size combinations are supported.
- Automatic prediction of spreading time and cutting time to accurately create a plan within working hours.
- It is possible to check the situation of spreading 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



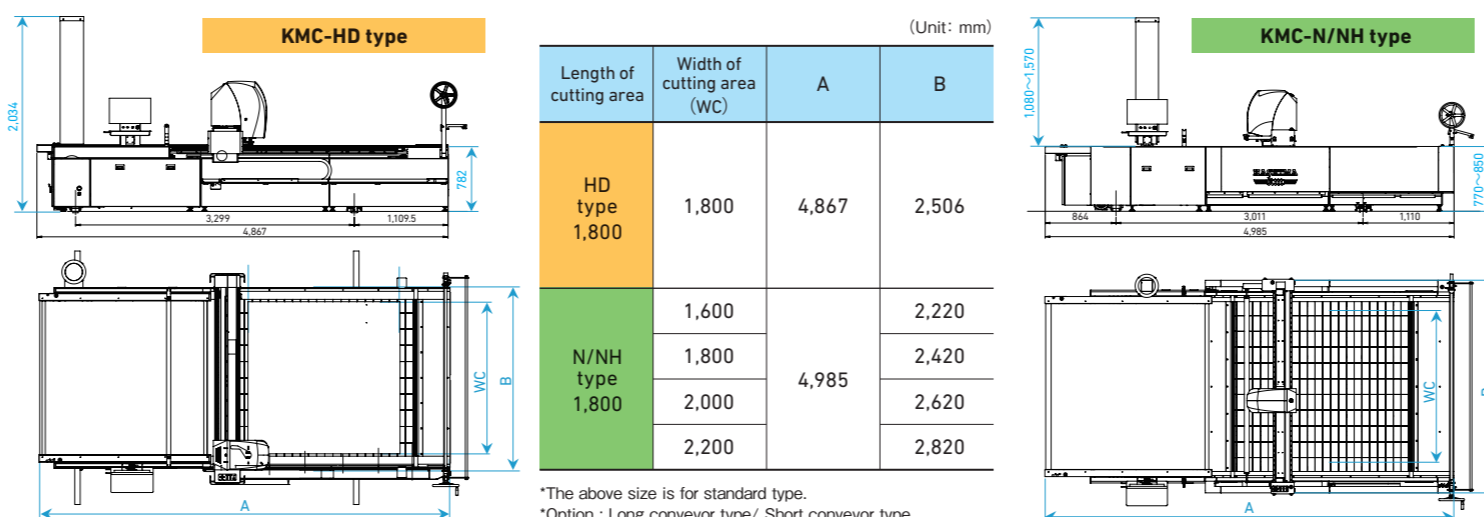
Inventory Search

- 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	3-phase AC200V ±10% 50/60Hz				
	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



HEAD OFFICE: 7-6, RYOGE Gifu-CITY, JAPAN  
TEL: 81-58-247-8400, 81-58-245-4501 FAX: 81-58-240-5775  
KUNSHAN(CHINA) OFFICE: TEL: 86-512-57771838 FAX: 86-512-57771848  
SINGAPORE OFFICE: TEL: 65-62858131 FAX: 65-62858132  
INDIA OFFICE: TEL: 91-80-41540315 FAX: 91-80-25592002  
BANGLADESH OFFICE: TEL: 880-2-7913655 FAX: 880-2-7913099  
VIETNAM OFFICE: TEL: 84-351-3555840 FAX: 84-351-3555841  
URL : <http://www.hashima.co.jp>

AGENT

# Leading the New Era KMC Multi-ply Auto Cutter



KMC-N Series



Check out the website for more details.



**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!

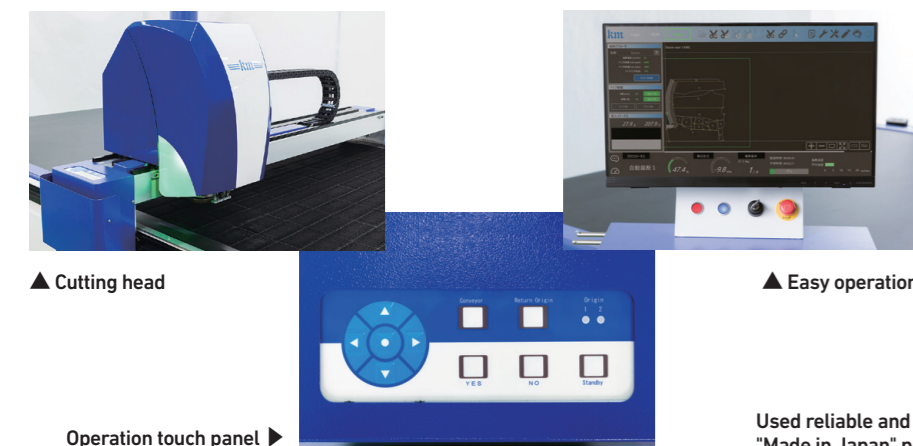
- Belt type grinding device
- Turbo blower automatic suction
- Knife edge auto-measurement sensors
- Cutting head with LED light
- Easy Operation

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. >>>
- Denim
  - Car Seat
  - Furniture



▲ Cutting head

▲ Easy operation

Operation touch panel ▶

Used reliable and highly accurate "Made in Japan" parts.

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



Excellent production efficiency with Electric power saving system & low running cost.

## KMC-N Series

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

- Belt type grinding device
- Turbo blower automatic suction
- Knife edge auto-measurement sensors
- Cutting head with LED light
- Easy Operation

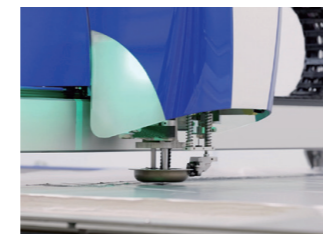
Standard model equipped with a new cutting head that excels in durability and cutting capacity. It can be used for a wide range of applications, and the optimum size and power can be selected.



Photo: KMC-520N (Left operation)

- Ideal for this type of cutting. >>>
- Fabric
  - Knit material
  - Denim
  - Foundation

### FEATURES

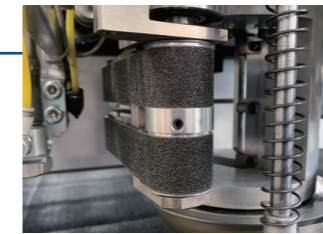


◀ The cutting head designed as KM original has the excellent cutting quality, and achieved to make over-haul maintenance time drastically shorter. Status indication by LED.



◀ 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



◀ 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.

● 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

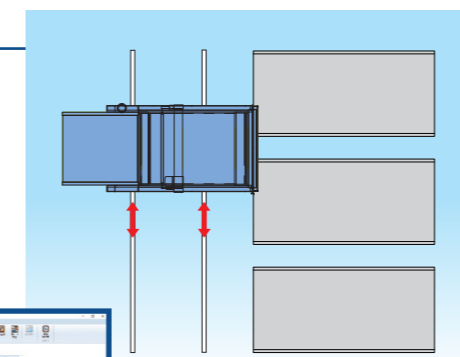
- Knife width auto measurement sensors
- Knife stress cancelling
- Marking drill
- Exhaust air silencer
- Recovering sheet
- Conveyor cleaning device
- Zero Buffer
- Optional stop for matching



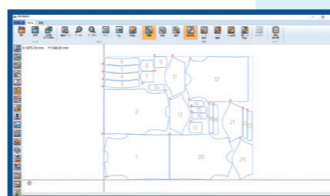
▲ Movable operating PC table

### OPTION

- Punch drill unit — Multiple 2/3/4 drill puncher
- Long/Short conveyor
- Projector system for Pattern matching
- Optional stop with CCD camera
- 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
- Knife cooler
- Signal tower
- Barcode reader
- Traverse system



▲ Traverse system



◀ KM Editor Main Screen

### KMC LINE-UP

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

## 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.

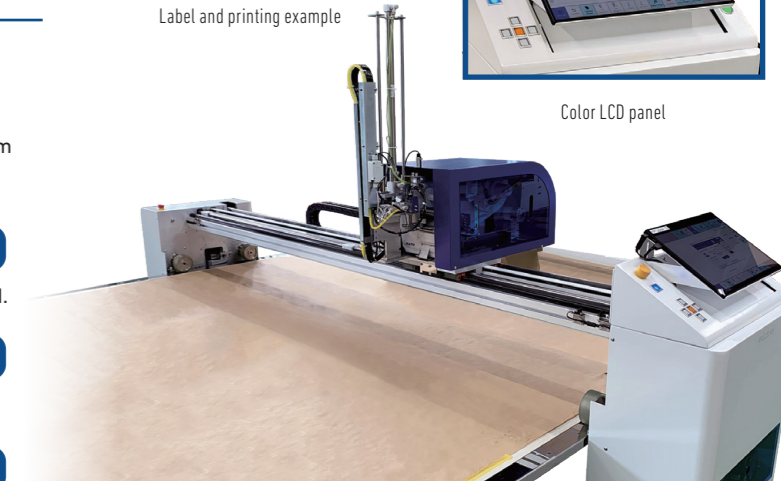


Label and printing example



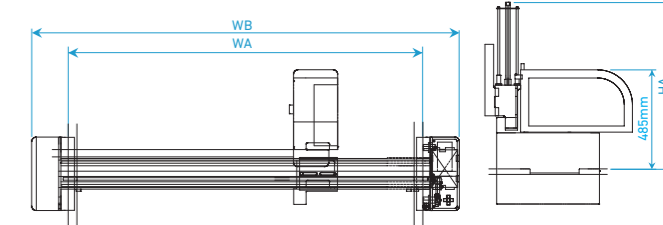
Color LCD panel

- 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.



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		

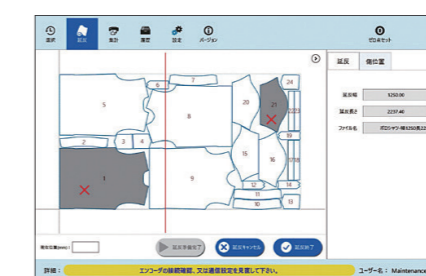
### Machine dimensions



	WA	WB	HA	
Effective width	Table width	Machine width	Working height 70mm	Working height 180mm
1,600	1,830	2,330		
1,800	2,030	2,530	835	1,075
2,000	2,330	2,830		

## km-LINK

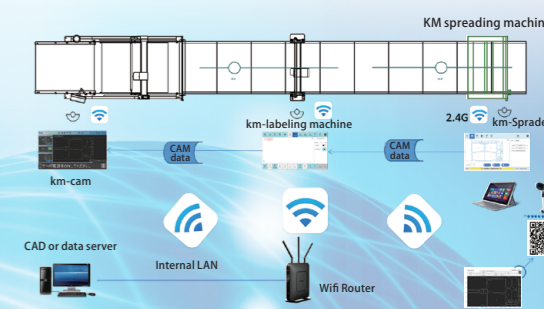
Connecting machines, data sharing



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