



CASH DISPENSE MODULE

CASH DISPENSE MODULE FOR ATM AND KIOSK

HCDM **HORUS** SERIES

HORUS SERIES CASH DISPENSER

HCDM-10E
HCDM-10B
HCDM-10K/KS
HCDM-10PT
HCDM-20K/KS
HCDM-20ST
HCDM-20PT



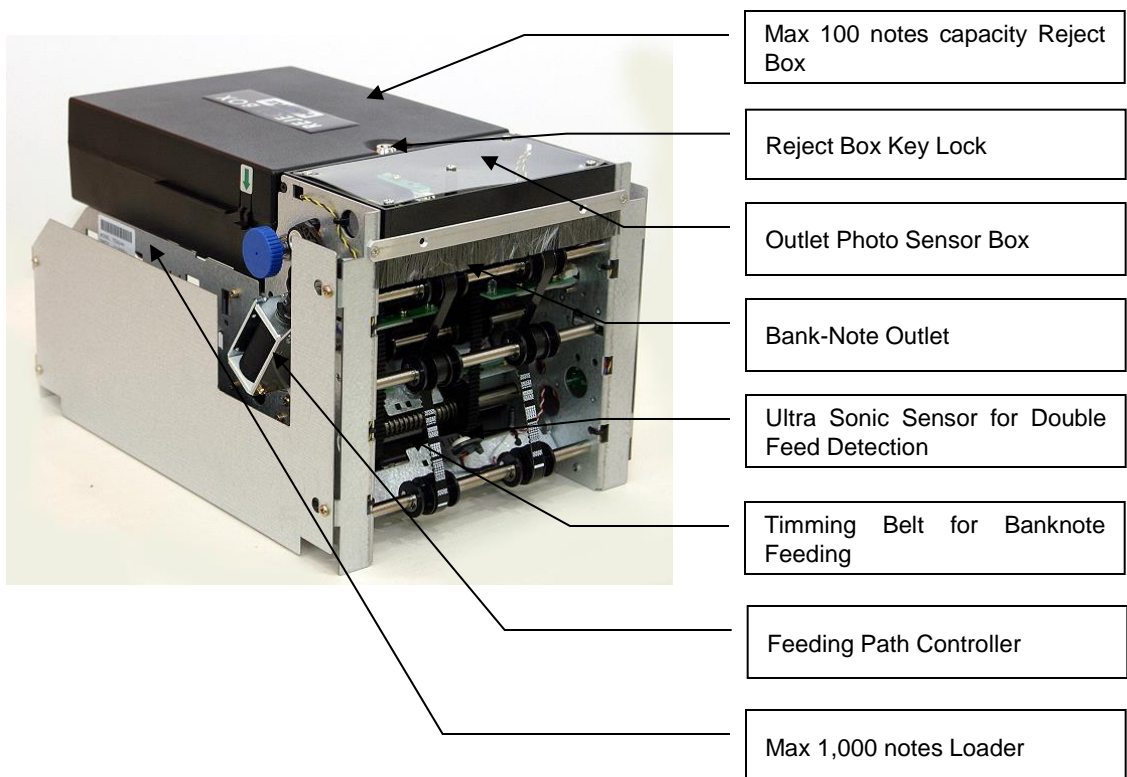
This Introduction Document explains structures and functional features of HCDM Series Cash Dispense Module, HCDM-10E/10B/10K/20K/20ST and 20PT with high reliability. We strongly believe that it will be your best solution for Vending Machines, Commercial Banking ATM, Teller ATM and Payment Kiosk in your market.

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HCDM-10B Cash Dispense Module

This HCDM-10B Cash Dispense Module is designed for standard type of Payment Kiosk, Vending Machine, ATM and Auto Cash Handling Machine, compatible with various types of banknote including US Dollar, Canadian Dollar, Japanese Yen, Korean Won, Chinese Yien, etc. This model is basic and entry class of cash dispense module with No-Cassette type 1K note capacity loader and 100 note capacity reject box, but bring you most accurate banknote transaction result in your system.

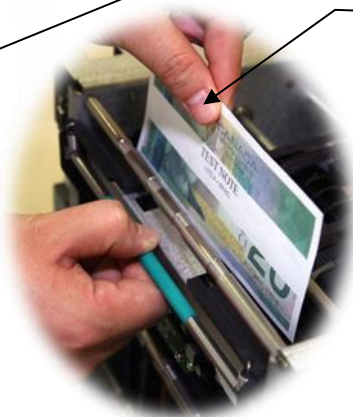
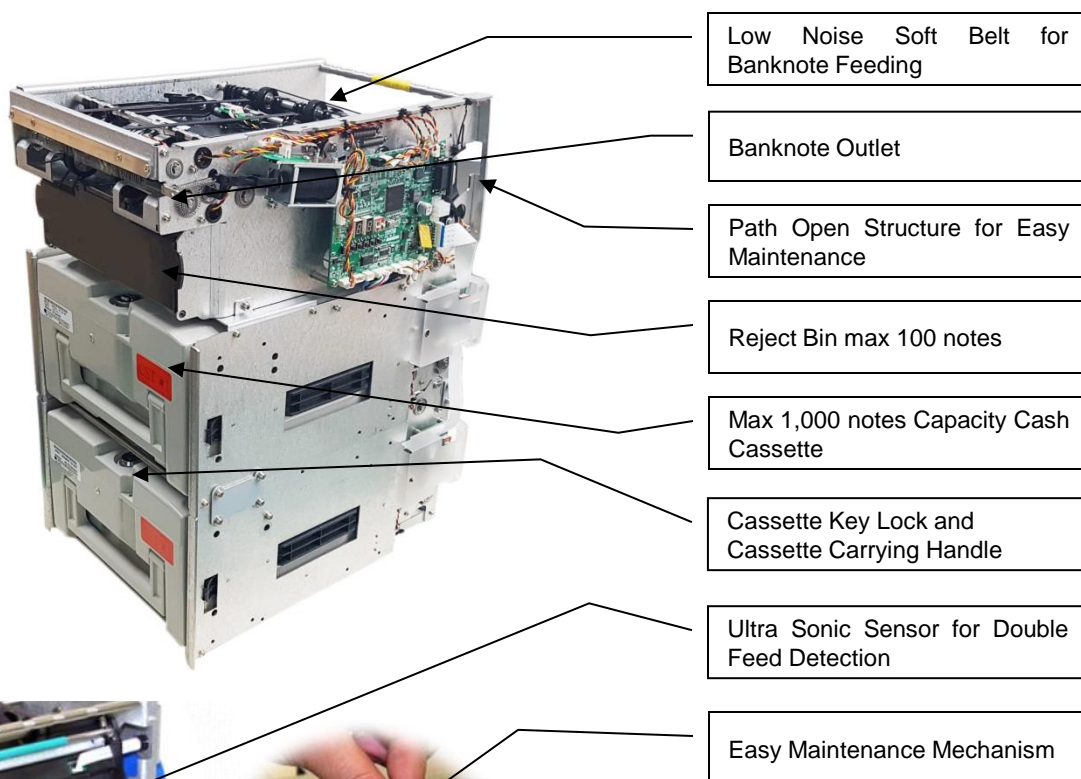


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HCDM-10K Cash Dispense Module

This HCDM-10K/10KS Cash Dispense Module is designed for standard to medium type of Payment Kiosk, Vending Machine, ATM and Auto Cash Handling Machine, compatible with various types of banknote including US Dollar, Canadian Dollar, Japanese Yen, Korean Won, Chinese Yien, etc. This model is basic class of cash dispense module that provides 1K note capacity security cassette with key lock, max 100 note capacity reject bin, ultrasonic double detection sensor, compact and stable construction with metal chassis. Also this series can be extensible structure up to 4 cassettes(optionally customized max 6 cassettes) in accordance with the customer's request. Below picture is showing 2 cassette model of HCDM-10K.

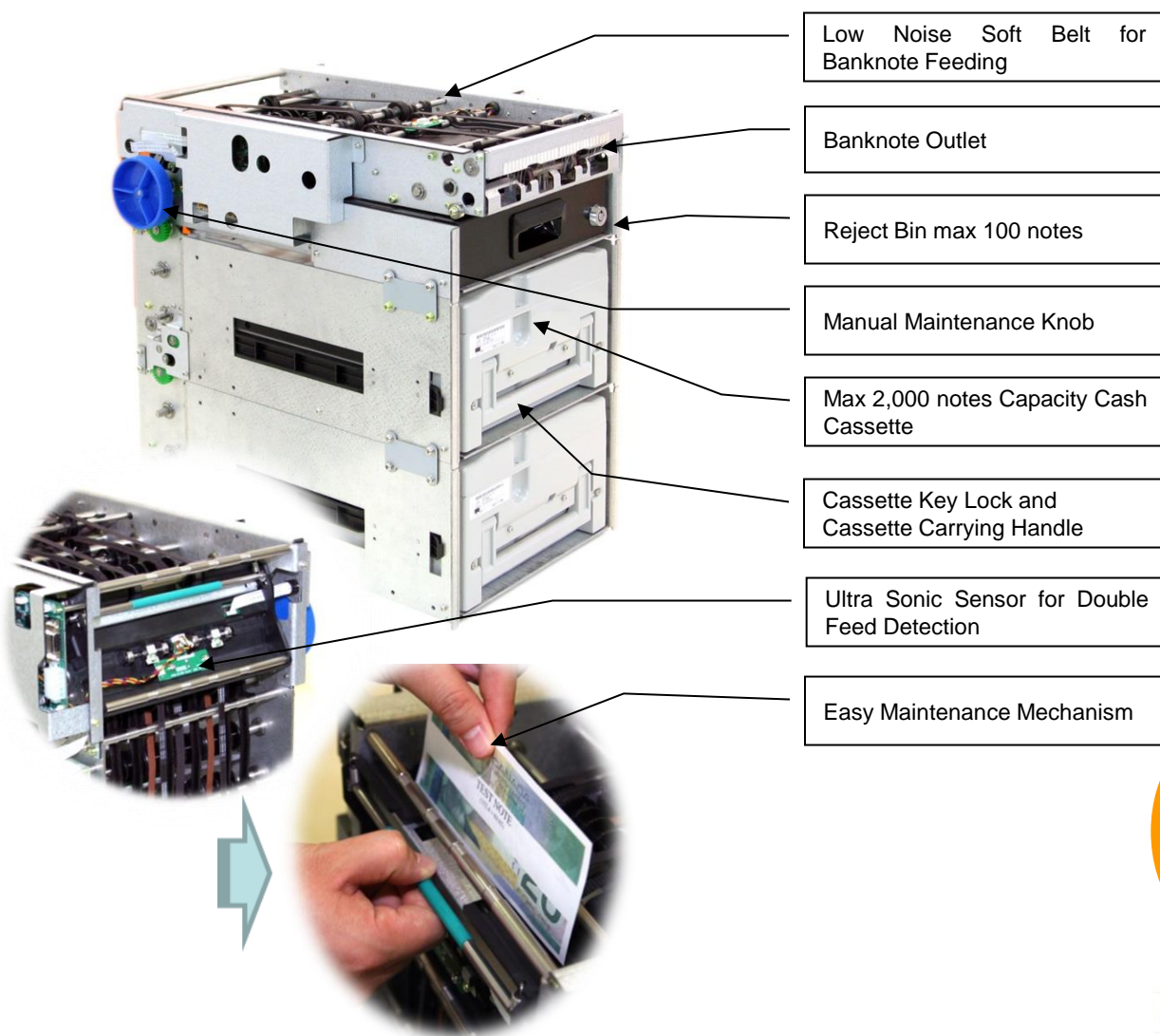


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HCDM-20K/20KS Cash Dispense Module

This HCDM-20K/20KS Cash Dispense Module is designed for standard to medium type of Payment Kiosk, Vending Machine, ATM and Auto Cash Handling Machine, compatible with various types of banknote including US Dollar, Canadian Dollar, Japanese Yen, Korean Won, Chinese Yien, etc. This model is medium class of cash dispense module that provides 2K note capacity security cassette with key lock, max 100 note capacity reject bin, ultrasonic double detection sensor, compact and stable construction with metal chassis. Also HCDM-20KS has banknote serial number recognition with built-in CIS which can scan both sides banknote and transfer its data to the host as per customer's request. Below picture is showing 2 denomination cassette of HCDM-20K/20KS.

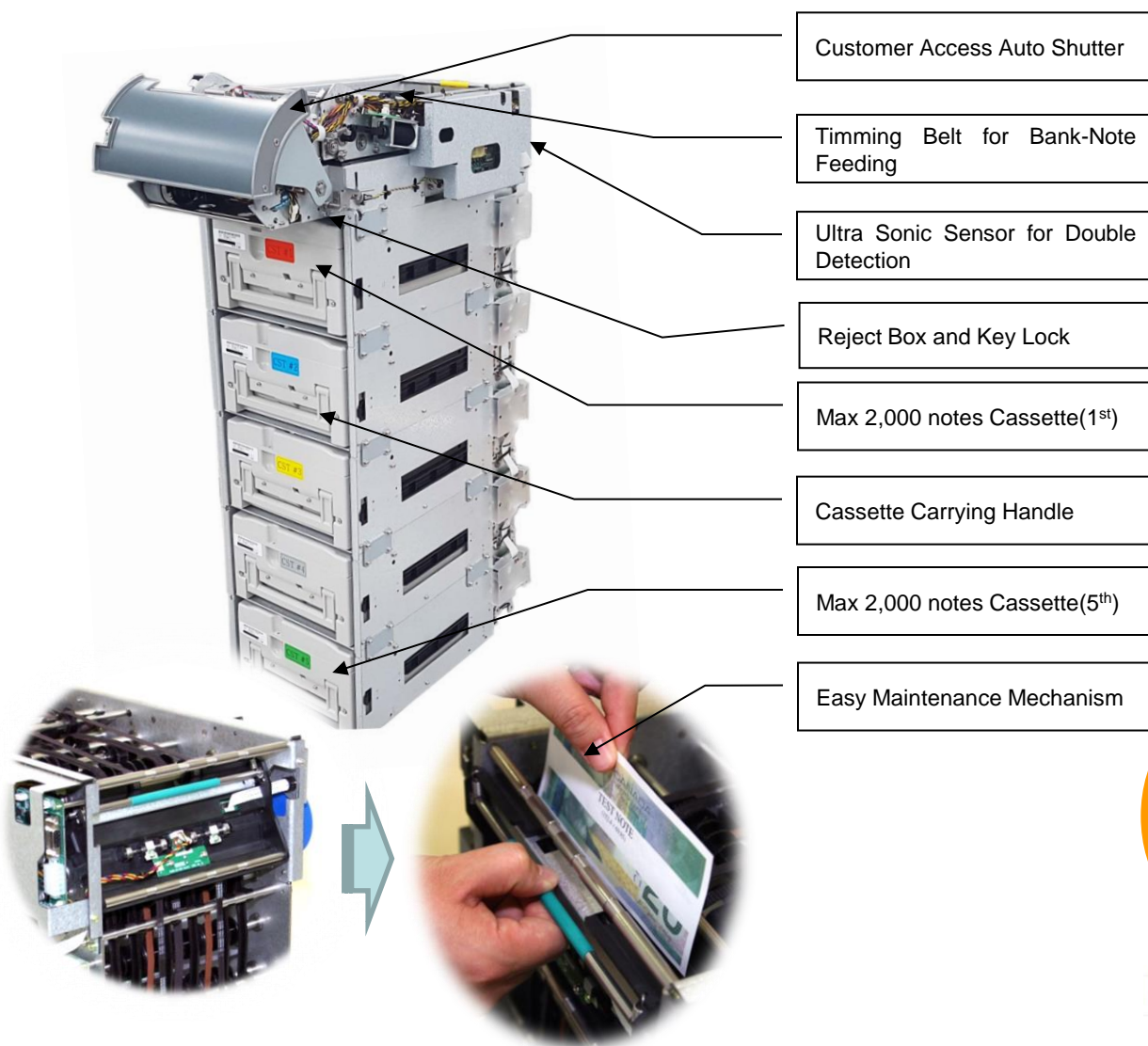


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HCDM-20ST Cash Dispense Module

This HCDM-20ST Cash Dispense Module is designed for mid to high quality model of Payment Kiosk, Vending Machine, ATM and Auto Cash Handling Machine, compatible with various types of banknote including US Dollar, Canadian Dollar, Japanese Yen, Korean Won, Chinese Yien, etc. This model is high quality and high security cash dispense module that provides 2K note capacity security cassette with key lock, max 100 note capacity reject bin, high security customer access shutter, forgotten-note retraction(option), ultrasonic double detection sensor, highly durable structure with metal chassis. Also HCDM-20ST has extensible structure up to 5 cassettes for high-end ATM in accordance with the customer's request. Below picture is showing 5 cassettes model with built-in shutter of HCDM-20ST.

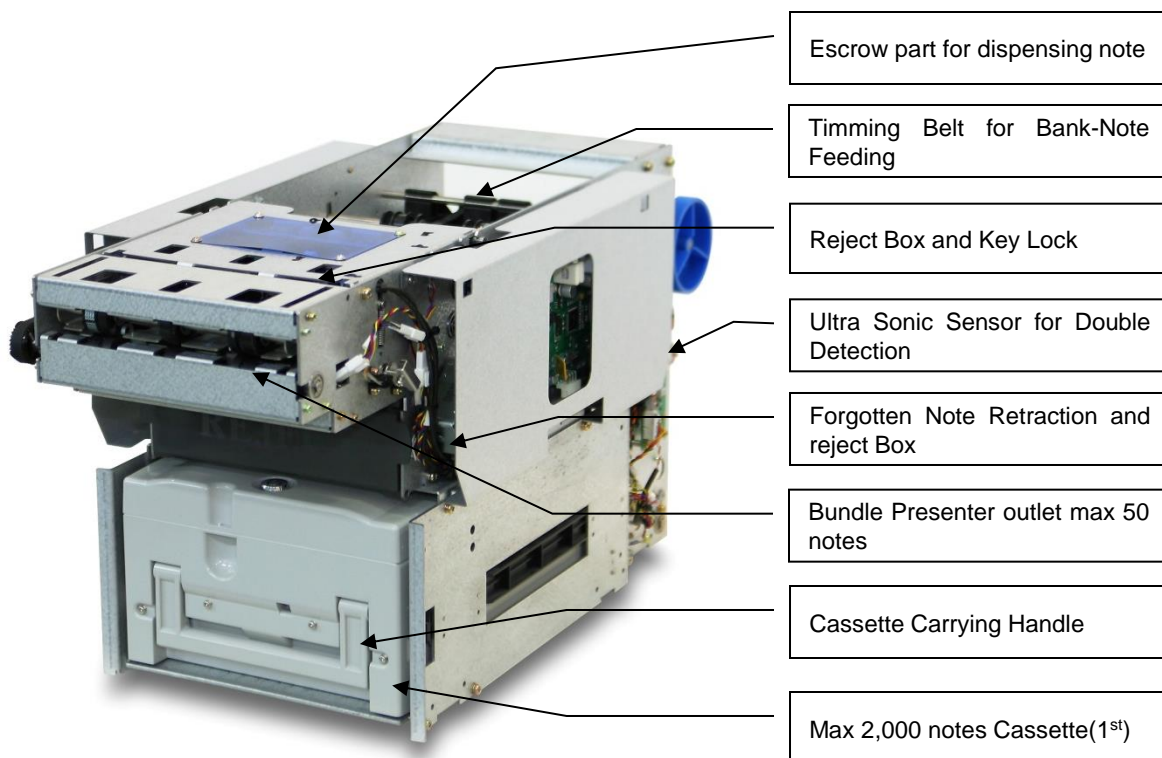


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HCDM-20PT Cash Dispense Module

This HCDM-20PT Cash Dispense Module is designed for bundle presenter type cash dispenser ranged mid to high quality model of Payment Kiosk, Vending Machine, ATM and Auto Cash Handling Machine, compatible with various types of banknote including US Dollar, Canadian Dollar, Japanese Yen, Korean Won, Chinese Yien, etc. This model is high quality and high security bundle cash dispense module max 70 notes per transaction that provides 2K note capacity security cassette with key lock, max 100 note capacity reject bin, forgotten-note retraction, ultrasonic double detection sensor, highly durable structure with metal chassis. Also HCDM-20PT has extensible structure up to 5 cassettes for high-end ATM in accordance with the customer's request. Below picture is showing 1 cassette standard model of HCDM-20PT.



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HCDM Horus Series Specifications

MODEL NAME	HCDM-10B(TCDU)	HCDM-10K	HCDM-10PT
Dispensing Speed	2 note/sec	3 note/sec	3note/sec
Dispensing Direction	Landscape	Landscape	Landscape
Loading Capacity	Max 1,000 notes	Max 1,000 notes (Cassette)	Max 1,000 notes(Cassette)
Media Size(mm)	60-79(W) / 120-166(L)	60-79(W) / 120-166(L)	60-79(W) / 120-166(L)
Cassette	N/A	Max 6 cassettes	Max 6 cassettes
Media Separation	Friction Roller Type	Friction Roller Type	Friction Roller Type
Validation Check	Skew, Length, Distance, Thickness	Skew, Length, Distance, Thickness	Skew, Length, Distance, Thickness
Stacking Type	Free Air	Free Air	Bundle Presenter max 70 notes
Shutter	N/A	N/A	Out shutter on Cabinet(option)
Forgotten Note Retraction	N/A	N/A	Yes
Scanning and SNR	N/A	N/A	N/A
Reject Box	Yes	Yes(bin)	Yes(bin)
Maintenance Type	Front Service	Front Service	Front Service
Reject Box Capacity	Max 100 sheet	Max 100 sheet	Max 100 sheet
Interface	RS-232C	RS-232C	RS-232C
Power	DC 24V, 5V	DC 24V	DC 24V
Size(mm))(W*H*D) 1 CST	250mm*220mm*360mm	286mm*287mm*352mm (1 cassette model)	286mm*287mm*478mm (1 cassette model)

MODEL NAME	HCDM-20K/KS	HCDM-20ST	HCDM-20PT
Dispensing Speed	4 note/sec	4 note/sec	4 note/sec
Dispensing Direction	Landscape	Landscape	Landscape
Loading Capacity	Max 2,000 notes	Max 2,000 notes	Max 2,000 notes(Cassette)
Media Size(mm)	60-79(W) / 120-166(L)	60-79(W) / 120-166(L)	60-79(W) / 120-166(L)
Cassette	Max 6 cassettes	Max 6 cassettes	Max 6 Cassettes
Media Separation	Friction Roller Type	Friction Roller Type	Friction Roller Type
Validation Check	Skew, Length, Distance, thickness	Skew, Length, Distance, thickness	Skew, Length, Distance, Thickness
Stacking Type	Free Air	Free Air in Shutter max 100 notes	Bundle Presenter max 70 notes
Shutter	N/A	Yes	Outer shutter on cabinet(option)
Forgotten Note Retraction	N/A	Yes	Yes
Scanning and SNR	Yes(20KS)	N/A	N/A
Cassette Load Detection	Yes	Yes	Yes
Reject Box	Yes(bin)	Yes(bin)	Yes(bin)
Maintenance Type	Front Service	Front Service	Front Service
Reject Box Capacity	Max 100 sheet	Max 100 sheet	Max 100 sheet
Interface	RS-232C	RS-232C	RS-232C
Power	DC 24V	DC 24V	DC 24V
Size(mm))(W*H*D) 1 CST	293mm*272mm*422mm (1 cassette model)	293mm*293mm*548mm (1 cassette model)	293mm*293mm*548mm (1 cassette model)

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