



# BCL-SEA SERIES

Printer  
Printer Laminator



# BC-12TL

Printer applicator  
for Test Tube



Model	BCL-12SEA	BCL-24SEA	Model	BC-12TL	
Class	4 inch low cost industrial		Class	Test tube printer applicator	
Print method	Thermal transfer		Print method	Thermal / thermal transfer	
Print speed	15, 20, 40, 60, 80mm/s		Print speed	40mm/s~150mm/s	
Print resolution	300dpi	600dpi	Print resolution	300dpi	
Label width	30mm~110mm		Test tube length	60~100mm	
Label length	30mm~210mm		Test tube diameter	12~16mm	
Laminate width	28mm~108mm		Max print width	56mm	
Laminate length	28mm~208mm		Min label length	30mm	
Label thickness	0.065mm~0.20mm		Width	250mm	
Laminate film	(25)~50μ (black mark required)		Height	230mm	
Label roll diameter	Max : 203mm, Paper core : 75mm		depth	508mm	
Film roll diameter	Max : 203mm, Paper core : 75mm		Weight	16Kg	
Size	Width	270mm	Size	Width	250mm
	Height	586mm		Height	230mm
	depth	448mm		depth	508mm
Weight	25Kg		Weight	16Kg	
Interface	RS-232C, USB / Centronics (select)		Weight	16Kg	
Fonts	Bit map / OCRB / vector fonts				
Barcode	Linear barcodes, 2D codes				
Printer language	ALL (Advanced Label Language)				
Printer driver	Windows drivers				
Label software	All Label Software				
Environment	5~40°C, humidity 85% (no condens)				
Power	AC 85V ~264V, 50/60 Hz				
Power con.	approximate 400VA (at Max)				
Option	Rotary cutter LAN I/F Verifier (barcode and 2D code) I/O interface Black mark sensor		Model	BC-12PA-SL	
			Class	Slide glass printer applicator	
			Print method	Thermal transfer	
			Print speed	15, 20, 40, 60, 80mm/s	
			Print resolution	300dpi	
			Label size	24x19mm, liner width 41mm	
			Label roll diameter	150mm	
			Slide Glass	76mm × 26mm × 1mm	
			Cartridge : stacker	100pcs : 5pcs	
			Size	Width	300mm
Height	410mm				
depth	615mm, +150mm printer slides				
Weight	25Kg				

# BC-12PA-SL

Printer Applicator  
for Slide Glass



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**RING** General Product  
by Autonics

Barcode Printer  
Barcode Printer Applicator  
Barcode Printer Laminator  
**Total Solution**



» With 40 years of experience, we offer

**Wide range of line up**  
Industrial Barcode Printer  
8.5" wide Multi Color Printer  
Printer Applicator  
Printer Laminator

**Quality & Reliability**  
40 year old barcode manufacturer creates high quality and reliability in every product

**Durability**  
Rugged design makes Toughness and Durability

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# PIM SERIES

Printer  
Compact Industrial



# PIH SERIES

Printer  
Standard Industrial



Model	4008PIM	4012PIM	4024PIM	4008PIH	4012PIH	4024PIH
Class	4 inch wide compact industrial			4 inch wide standard industrial		
Print method	Thermal transfer / Direct thermal			Thermal transfer / Direct Thermal		
Max print speed	150mm/s	150mm/s	80mm/s	150mm/s	200mm/s	80mm/s
Print resolution	203dpi	300dpi	609dpi	203dpi	300dpi	609dpi
Media width	40mm~116MM			40mm~116mm		
Max print width	108.0mm	108.4mm	112.0mm	108.0mm	108.4mm	112.0mm
Max print length	999mm	999mm	450mm	999mm	999mm	450mm
Min label length	5mm			5mm		
Media thickness	0.065mm~0.27mm			0.065mm~0.27mm		
Label roll diameter	Maximum : 203mm, Paper core : 75mm			Maximum : 220mm, Paper core : 75mm		
Size	Width	220mm		220mm		
	Height	312mm		312mm		
	depth	260mm		405mm		
Weight	11Kg			15Kg		
Fonts	Bit map / OCRB / vector / down load fonts			Bit map / OCRB / vector / down load fonts		
Barcode	Linear barcodes, 2D codes			Linear barcodes, 2D codes		
Interface	RS-232C and USB/Centronics (select)			RS-232C and USB/Centronics (select)		
Option interface	LAN			LAN		
Print mode	STD, strip, peel, tear, cutter (option)			STD, strip, peel, tear, cutter (option)		
Printer language	ALL (Advanced Label Language)			ALL (Advanced Label Language)		
Printer driver	Windows drivers			Windows drivers		
Label software	All Label Software			All Label Software		
Environment	5~40°C, humidity 85%- (no condensing)			5~40°C, humidity 85%- (no condensing)		
Power	AC 85V~264V, 50/60 Hz			AC 85V~264V, 50/60 Hz		
Power con.	approximate 340VA			approximate 340VA		
Option	Guillotine cutter Rotary cutter Rotary partial cutter Verifier (Linear barcode and 2D code) I/O interface Black mark sensor SUS frame cover (for clean room) External labes stocker (300mm dia.)			Guillotine cutter Rotary cutter Rotary partial cutter Verifier (Linear barcode and 2D code) Internal label / liner rewinder I/O interface Black mark sensor SUS frame cover (for clean room) External labes stocker (300mm dia.)		

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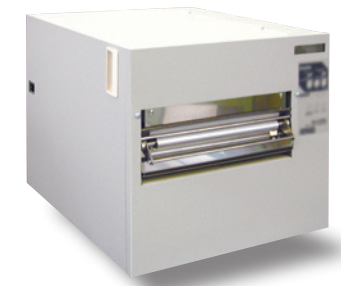
# PMH SERIES

Printer  
High process indust.



# 8012PMH SERIES

Printer  
Wide industrial



Model	4008PMH	4012PMH	4024PMH	8012PMH
Class	4 inch wide high process industrial			8.5 inch wide industrial
Print method	Thermal transfer / Direct thermal			Thermal transfer / Direct Thermal
Max print speed	150mm/s	200mm/s	80mm/s	150mm/s
Print resolution	203dpi	300dpi	609dpi	300dpi
Media width	40mm~116mm			120mm~228mm
Max print width	108.0mm	108.4mm	112.0mm	219.5mm
Max print length	999mm	999mm	840mm	999mm
Min label length	5mm			5mm
Media thickness	0.065mm~0.27mm			0.065mm~0.27mm
Label roll diameter	Maximum : 220mm, Paper core : 75mm			Maximum : 220mm, Paper core : 75mm
Size	Width	220mm		365mm
	Height	312mm		352mm
	depth	405mm		430mm
Weight	15Kg			28Kg
Fonts	Bit map / OCRB / vector / down load fonts			Bit map / OCRB / vector / down load fonts
Barcode	Linear barcodes, 2D codes			Linear barcodes, 2D codes
Interface	RS-232C and USB/Centronics (select)			RS-232C and USB/Centronics (select)
Option interface	LAN			LAN
Print mode	STD, strip, peel, tear, cutter (option)			STD, strip, peel, tear, cutter (option)
Printer language	ALL (Advanced Label Language)			ALL (Advanced Label Language)
Printer driver	Windows drivers			Windows drivers
Label software	All Label Software			All Label Software
Environment	5~40°C, humidity 85%- (no condensing)			5~40°C, humidity 85%- (no condensing)
Power	AC 85V~264V, 50/60 Hz			AC 85V~264V, 50/60 Hz
Power con.	approximate 340VA			approximate 340VA
Option	Guillotine cutter Rotary cutter Rotary partial cutter Verifier (Linear barcode and 2D code) Internal label / liner rewinder I/O interface Black mark sensor SUS frame cover (for clean room) External labes stocker (300mm dia.)			Rotary cutter Verifier (Linear barcode and 2D code) Internal label / liner rewinder I/O interface Black mark sensor External labes stocker (300mm dia.)

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# PLM+ SERIES

Printer  
Low cost industrial



# PEI+ SERIES

Printer  
Entry level desk top



Model	4012PLM +	Model	408PEI +	412PEI +
Class	4 inch low cost industrial	Class	Entry level desk top	
Print method	Thermal transfer/Direct thermal	Print method	Thermal/thermal btansfer	
Max print speed	150mm/s	Max print speed	152.4mm/s	101.6mm/s
Print resolution	300dpi	Print resolution	203dpi	300dpi
Media width	40mm~116mm	Media width	25mm~118mm	
Max print width	105.7mm	Max print width	108.0mm	105.7mm
Max print length	650mm	Max print length	25mm~118mm	
Min label length	5mm	Min label length	1727mm	726mm
Media thickness	0.065mm~0.27mm	Media thickness	0.06mm~0.25mm	
Label roll diameter	Maximum : 203mm, Paper core : 75mm	Label roll diameter	127.0mm	
Size	Width	Ribbon length	300mm, 68mm max. dia.	
	Height	Ribbon core dia.	25.4mm	
	depth	Width	226mm	
Weight	11Kg	Size	Height	171mm
Fonts	Bit map/OCRB/vector/down load fonts	depth	285mm	
Barcode	Linear barcodes, 2D codes	Weight	2.7Kg	
Interface	RS-232C and USB/Centronics (select)	Fonts	Bit map and scalable fonts	
Option interface	LAN	Barcode	Linear barcodes, 2D codes	
Print mode	STD, strip, peel, tear, cutter (option)	Interface	RS-232C, USB, LAN	
Printer language	ALL (Advanced Label Language)	Printer language	ALL, RZPL	
Printer driver	Windows drivers	Printer driver	Windows drivers	
Label software	All Label Software	Label software	All Label Software	
Environment	5~40°C, humidity 85%- (no condensing)	Environment	5~40°C, humidity 85%	
Power	AC 85V~264V, 50/60 Hz	Power	AC 100V~240V, 50/60 Hz	
Power con.	approximate 340VA	Power con.	approximate 340VA	
Option	Guillotine cutter Rotary cutter Rotary partial cutter Verifier (Linear barcode and 2D code) I/O interface Black mark sensor SUS frame cover (for clean room) External lables stocker (300mm dia.)	Option	Rotary cutter Striper module CF card adapter with RTC External label stocker External label rewinder	

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# MC SERIES

Printer  
Multiple color



Model	412MC	424MC	812MC
Class	4 inch wide 2 colors / 4 colors		8.5 inch wide 2 colors / 4 colors
Print method	Thermal transfer		Thermal transfer
Max print speed	120/100mm/s	80/60mm/s	100/120mm/s
Print resolution	300dpi	609dpi	300dpi
Media width	40mm~146mm		110mm~228mm
Max print width	105.7mm	112.0mm	219.5mm
Max print length	999mm	800/400mm	890mm
Min label length	10mm		10mm
Media thickness	0.065mm~0.27mm		0.065mm~0.27mm
Label roll diameter	Maximum : 220mm, Paper core: 75mm		Maximum : 220mm, Paper core: 75mm
Size	Width	360mm	440mm
	Height	365mm, 495mm with label stocker	
	depth	535 / 665mm with label stocker	
Weight	35 / 40Kg		45 / 50Kg
Fonts	Bit map/OCRB/vector/down load fonts		
Barcode	Linear barcodes, 2D codes		
Interface	RS-232C and USB/Centronics (select)		
Option interface	LAN		
Print mode	STD, strip, peel, tear, cutter (option)		
Printer language	ALL (Advanced Label Language)		
Printer driver	Windows drivers		
Label software	All Label Software		
Environment	5~40°C, humidity 85%- (no condensing)		
Power	AC 85V~264V, 50/60 Hz		
Power con.	approximate 900/1800VA (Max.), approximate 370/700VA (at 30% printing)		
Option	Rotary cutter Rewinder for Label/liner (for peel off) Black mark sensor Verifier (Linear barcode and 2D code) Right side left I/O interface External operatin panel Label /ribbon low warning 300mm diameter label roll stocker		

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**RING** **MA**  
SERIES

Printer applicator  
4"/5" wide

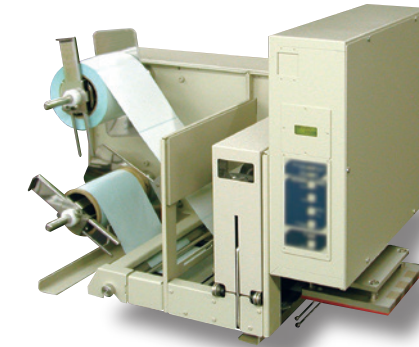


Model	408MA	412MA	424MA	508MA	512MA
Class	4 inch / 5 inch wide printer applicator Thermal transfer				
Print method	Thermal transfer / Direct thermal				
Max print speed	150mm/s	150mm/s	80mm/s	150mm/s	150mm/s
Print resolution	203dpi	300dpi	609dpi	203dpi	300dpi
Media width	40mm~135MM				
Max print width	108.0mm	108.4mm	112.0mm	128.0mm	128.0mm
Max print length	999mm	999mm	450mm	999mm	999mm
Min label length	10mm				
Media thickness	0.065mm~0.27mm				
Label roll diameter	Maximum : 203mm, Paper core : 75mm				
Size	Width	450mm (printer + applicator), 337mm (printer module only)			
	Height	450mm			
	depth	295mm			
Weight	32Kg (printer + applicator), 22Kg (printer module only)				
Fonts	Bit map / OCRB / vector / down load fonts				
Barcode	Linear barcodes, 2D codes				
Interface	RS-232C and USB / Centronics (select), LAN (option)				
Applicator method	press by air cylinder/stepping motor, air jet, corner, rotate rund (drum/pail can) surface, roller paste, 800mm stroke				
Printer language	ALL (Advanced Label Language)				
Printer driver	Windows drivers				
Label software	All Label Software				
Environment	5~40°C, humidity 85%- (no condensing)				
Power	AC 85V~264V, 50/60 Hz				
Power con.	approximate 400VA (Max)				
Option	Label drop warning (vacuum sensor) Label / ribbon low warning Standard stand (height adjustable) SUS frame cover (for clean room) External operation panel Verifier (Linear barcode and 2D code)				

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**RING** **MA**  
SERIES

Printer applicator  
8.5" wide, 4"/8.5" wide color



Model	812MA	412/424MA Color	812MA Color
Class	8.5" wide printer applicator	2 color /4 color printer applicator	
Print method	Thermal / Thermal transfer	Thermal transfer	
Max print speed	150mm/s	100mm, 80mm, 60mm/s	100mm/s
Print resolution	300dpi	300, 609dpi	300dpi
Media width	120mm~226mm	40mm~146mm	120mm~226mm
Max print width	219.5mm	108.4mm	219.5mm
Max print length	999mm	999, 999, 850mm	890mm
Min label length	30mm		
Media thickness	0.065mm~0.27mm		
Label roll diameter	Maximum : 203mm, Paper core : 75mm		
Size	Width	440mm	450mm
	Height	485mm	
	depth	735mm	
Weight	48kg	50kg	54Kg
Fonts	Bit map / OCRB / vector / down load fonts		
Barcode	Linear barcodes, 2D codes		
Interface	RS-232C and USB / Centronics (select), LAN (option)		
Applicator method	press by air cylinder / stepping motor, air jet, corner, rotate rund (drum/pail can) surface, roller paste, 800mm stroke		
Printer language	ALL (Advanced Label Language)		
Printer driver	Windows drivers		
Label software	All Label Software		
Environment	5~40°C, humidity 85%- (no condensing)		
Power	AC 85V~264V, 50/60 Hz		
Power con.	approximate 500VA (Max)	approximate 900VA (Max)	approximate 1800VA (Max)
Option	Label drop warning (vacuum sensor) Label / ribbon low warning Standard stand (height adjustable) SUS frame cover (for clean room) External operation panel Verifier (Linear barcode and 2D code)		

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