

Industrial Coding and Marking Solutions

Visit our website at www.MAJEnterprises.com
to see our labeling and coding systems



HSAjet

High resolution
industrial inkjet printers

inkjet
technology by



HSAUSA CaseCoders

- **Print directly on the box**, eliminating the need for labels
- **Eliminate the need for preprinted boxes**
- **1/5th the cost of a label**
- No worries about the label falling off the case
- **Preprinted box look**, with no plates or needing to stock boxes of the same size with different product information
- Flexible, Reliable, Cost effective
- **High resolution**, High-speed, quality printing
- Worldwide distribution network
- Windows-based software (free)
- Environmentally safe and economically friendly inks
- Stainless-steel construction for durability












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usa.com

Controllers

Controller Type	Max Print Heads			Ethernet	Database	Max	Logo	Text	Barcodes	Counters	Date Time	Dimensions W x L x H
	HP	XJ-128	XJ-500	RS232		Messages						
 Power PC 19" Rack Mount Controller	8"	44.8"	44.8"	Yes	Yes	Unlimited	Yes	Yes	Yes	Yes	Yes	19" x 15" x 6"
 CT Industrial Controller	4"	22.4"	22.4"	Yes	Yes	Unlimited	Yes	Yes	Yes	Yes	Yes	16" x 15" x 16"
 CT-Touch Industrial Controller w/ Touch Screen	4"	22.4"	22.4"	Yes	Yes	Unlimited	Yes	Yes	Yes	Yes	Yes	16" x 15" x 16"
 TIPC Touch Industrial Print Controller	2"	11.2"	11.2"	Yes	Yes	Unlimited	Yes	Yes	Yes	Yes	Yes	13.8" x 6.9" x 11.3"
 CB Controller Board	2"	11.2"	11.2"	Yes	Yes	Unlimited	Yes	Yes	Yes	Yes	Yes	1.2" x 8.2" x 4.2"
 Mini-Touch Mini Touch Controller	2"	N/A	N/A	Yes	No		Yes	Yes	Yes	Yes	Yes	5.3" x 5.7" x 1.6"
 CU Controller Unit	2"	5.6"	5.6"	Yes	No	250	Yes	Yes	Yes-Limited	Yes	Yes	5.5" x 7.9" x 4.2"
 TCU-I Tiny Controller Unit w/ Integrated Keypad & Display	1"	N/A	N/A	No	No	250	Yes	Yes	Yes-Limited	2 max	4 max	5.5" x 7.9" x 3.4"
 TCU Tiny Controller Unit	1"	N/A	N/A	No	No	1	Yes	Yes	Yes-Limited	2 max	4 max	5.5" x 7.9" x 2.4"

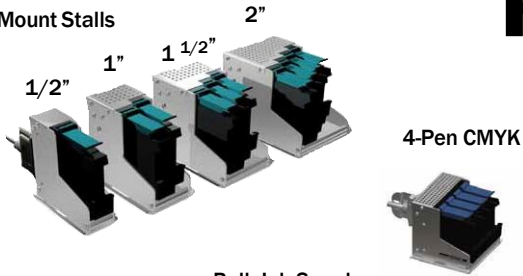
SYSTEM INTEGRATION

- Technology Integration and Automation
- Application Engineering
- Custom Product Handling
- Barcode Reading and Verification
- Vision System Integration
- Covert Marking Solutions
- Track & Trace Solutions
- Special Inks
- E-Pedigree Solutions



HP Printers

Top-Mount Stalls



Bulk Ink Supply



HP Resoluti (H x W)	HP Speed	Controllers
600 x 600 dpi	38 m/min (125 ft)	All
300 x 300 dpi	152 m/min (500 ft)	All
300 x 300 (one row) dpi	76 m/min (250 ft)	All
300 x 150 dpi	306 m/min (1000 ft)	All
600 x 300 dpi	76 m/min (250 ft)	All but TCU, CU, Mini-Touch
300 x 600 (one row) dpi	38 m/min (125 ft)	All but TCU, CU, Mini-Touch



Side Low-Mount Stalls

Printer Specifications

HP Systems

KAAR Systems

Printers Specifications	HP-Series 45 cartridge	XJ128+ 185dpi	XJ500-180
Controllers	Power PC, CT, CT-Touch, TIPC, CB, Mini-Touch, CU, TCU-I, TCU	CT, CT-Touch, TIPC, CB, CU	CT, CT-Touch, TIPC, CB, CU
Quality of print head resolution	600/300/150 dpi	185 dpi	180 dpi
Channel resolution (dpi)	See HP Resolutions	185	180
Typical drop volume	30 pl	70 pl	80 pl
Speed (max fire frequency)	15 kHz	5.5 kHz	4.0 kHz
Maximum print speed	See HP Resolutions	45 m/min (147 ft/min)	34 m/min (111 ft/min)
Double speed	N/A	90 m/min (294 ft/min)	N/A
Print swathe width	12.5 mm (0.5")	17.5 mm (0.7")	70 mm (2.8")
No. of addressable channels	300 per pen	128	500
Optimal print distance	1 mm	1 mm	1 mm
Max engines per controller	8-CT (4 per CB card), 4-TIPC, 4-CB, 4-CU & MT, 2-TCU, 16-Power PC	32-CT (16 per CB card), 16-TIPC, 16-CB, 8-CU	8-CT (4 per CB card), 4-TIPC, 4-CB, 2-CU
Print head cable length	6' standard, max 12'	6' standard, max 25'	6' standard, max 25'
Inks	Water Based, UV/IR	Oil, Solvent	Oil



INKS

XJ-128 (0.7") with umbilical

INKS

- Water-based
- Solvent-based
- Oil-based
- Color (CMYK)
- Covert marking
- UV (Ultraviolet) cured
- UV/Infrared inks

COVERT MARKING

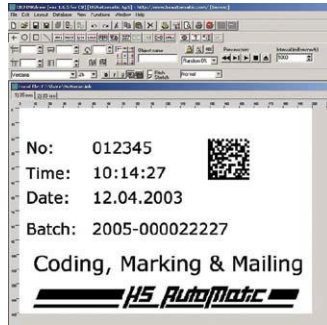

Visible Code


Invisible Code


Invisible

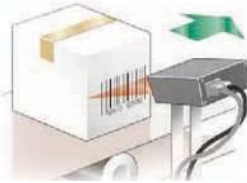
OBJInkDraw Label Design Software

- Completely free software
- WYSIWYG
- Extremely flexible and versatile
- All barcodes/databases supported
- Built-in ink-cost calculator
- Ink-level detection
- Mailing module available
- Logos
- Different fonts and sizes
- Barcodes
- Date and Time
- Counters
- Remote control by Ethernet/Serial
- Edit message content real time
- Prompts



BSC "Barcode Scanner Controller"

- In-line barcode scanning
- Operates one or two barcode scanners
- Avoids unnecessary costs (detects bad barcodes before your customer does)
- Provides 100% inspection of barcodes
- Alarm output (audible and visual)
- Relay output to stop product or reject
- Readable 1D, 2D, UV and IR barcodes



Case Taping Systems

CHAMPION
CASE SEALING MACHINES

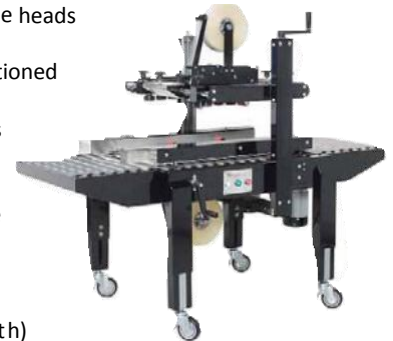
CU HP System



Shown mounted on
Case Taper

Champion Model 700-20

- Two (2) 502 Easy Load 2" tape heads (top & bottom seal)
- Top tape head can be repositioned for off center seal
- Set of four (4) locking casters
- Top squeezers keep carton square before taping
- Pop out and interchangeable tape heads
- Adjustable legs (from 22" - 32") with casters
- Infeed/exit table (16" in length)



Call MAJ Enterprises

Phone: (516) 625-0110

www.MAJEnterprises.com