



PRINTING SPECIFICATION			
Non contact printing technology		✓	
		Std DPI	Max DPI
SPEED (m/s)*	1 Line – 5 dot characters (fastest)	7.2	5.2
	2 Lines – 7 dot characters	2.0	1.5
	2 Lines - 9 dot characters (Highest Quality Text)	1.3	1.0
	1 Line - 24 dot characters (Best for 2D Coding)	0.7	0.5
SIZE	Max Lines of Print	5	
	Print Height (dots)	upto 32 dots	
	Print Height (mm)	upto 20mm	
	Printed dot size <sup>^</sup>	0.31mm (60µm) 0.40mm (75µm)	
CODE FORMATS	Text	full unicode support	
	Graphics	Imported *.bmp Built in logo editor	
	1-D Barcode	EAN 8, I3, UPC A, E Code 39, 93, I28, 2 of 5, ITF-14, GS1-I28	
	2-D Barcodes	Datamatrix, QR Code, Dot Code, Han Xin, Postnet	

OWNERSHIP SPECIFICATION		
OPERATING	User interface	7" colour touchscreen (option) 10.4" colour touchscreen (option)
	Software	QuickStep 3
	Operator friendly	✓
CONSUMABLES	Single button start and stop	✓
	Automatic cartridge recognition	✓
	Intelligent Level Monitoring	✓
	Cartridge runtime**	267 hours
SERVICING	Cartridge replacement	20 second operator task No line stop required
	Service model	Service free ITM system
	ITM replacement frequency <sup>†</sup>	12 months
ENVIRONMENT	ITM replacement	Sub 10 minute operator task Line stop required
	Operating temperature <sup>†</sup>	5-45°C
	Humidity	0-90% RH
	Ingress protection (cabinet)	IP66 electronics enclosure (IP55 cabinet)
	Harsh environment options	IP65 printhead cover (for washdown) Positive air to head (for high dust) Dry air to head (for high humidity)

### Understanding CIJ DPI

0123456789

**Standard DPI (7 Dot)**  
Equivalent to 10 Chars/inch

0123456789

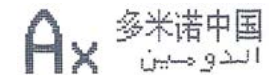
**Maximum DPI (9 Dot)**

Standard DPI		Maximum DPI
01234567	5 Dot (Fastest)	0123456789
01234567	7 Dot	0123456789
012345	9 Dot (Best Quality)	01234567
012	Large Characters (Up to 32 Dot)	0123

### Logos and 2D Codes



### Multi Language and Mixed Fonts



\* Speed quoted with Professional printing pack.

\*\* Runtime based on make-up cartridge replacement frequency for MEK Dye based system at 21°C with Green Pack option

<sup>^</sup> Dot size may vary depending on substrate type

<sup>†</sup> Subject to ink choice

# Ax350i

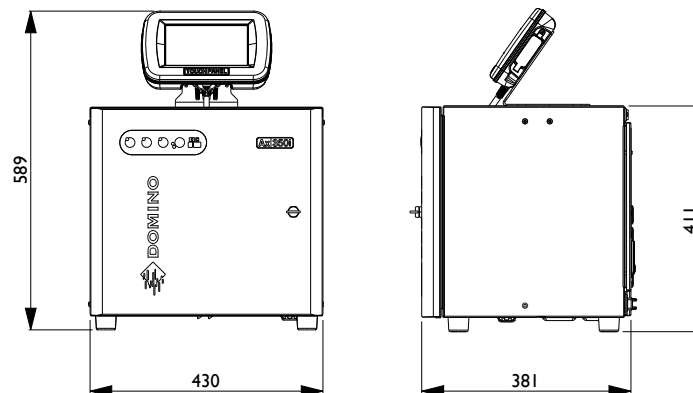
## Technical Specification



### TECHNICAL SPECIFICATION

SYSTEM SPECIFICATION			
PRINTHEAD	Type	i-Pulse	
	Nozzle sealing technology	✓	
	Nozzle size	60µm	75µm
	Maximum resolution (dpi)	82	64
	Format	Straight	Straight
	Conduit length	3m – Std 6m – Option	3m – Std 6m – Option
	Conduit bend radius (minimum)	65mm	
CABINET	Material	304 stainless steel	
	Size (WxHxD)	430 x 411 x 381 (mm) 16.9 x 16.2 x 15.0 (inch)	
	Weight (dry)	22kg	
	Power requirement	100-240v:4A 50-60Hz	
	Power consumption	40 Watt (idle) 80 Watt (printing)	
	Product detect input port (x1)	✓	
	Shaft encoder input port (x1)	✓	
	USB ports on UI (x2)	✓	
	RFID	13.56 MHz 1.3uW ERP	
INK	Ink cartridge volume	825ml 555ml (heavy duty ink system)	
	Make-up cartridge volume	1200ml	
CONNECTIVITY	Domino protocols	Intercomm 5, Codenet, Intercomm 0	
	PC software suite	QuickDesign V5 & V6 compatible	
	Webserver	✓	
	Domino Cloud compatible*	✓	

### CABINET DIMENSIONS

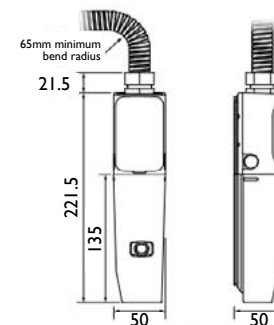


OPTIONS			
HARDWARE PACK	Status pack option	4 stage âacon output (x1) 4 stage alarm output (x1)	
	Comms pack option	Cabinet USB port (x1) Ethernet RJ45 port (x1)	
	Extended comms pack option		Cabinet USB port (x1) Control port (x1) TouchPanel 2/ethernet port (x1)
		RS232 pack option	RS232 port (x1)
		GPIO pack option	I/O – 4 inputs/4 outputs (x1)
	Extended I/O pack option	I/O - 12 inputs / 4 outputs (x1)	
	PERFORMANCE PACK	Professional printing pack	High speed rasters (ST&HS types) Segmented message formats Highest speed DDI Script engine
Operator assistance pack		Label templates Barcode scanning for labels and data entry Local security manager	
Green Pack		20% reduction in make-up emissions. Configurable Printhead and ink-system stand down for reduced power usage	

### COMPLIANCE

Domino printers are compliant and sold in more than 100 countries globally.  
Certifications : CE, NRTL, CB and FCC 47CFR Part 15B.

### PRINTHEAD DIMENSIONS



[www.ax-series.com](http://www.ax-series.com)

\* Requires Comms Pack

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