



PRINTING SPECIFICATION			
Non contact printing technology		✓	
		Std DPI	Max DPI
SPEED (m/s)*	1 Line - 5 dot characters (fastest)	5.1	3.8
	2 Lines - 7 dot characters	1.3	0.9
	2 Lines - 9 dot characters (Highest Quality Text)	1.0	0.7
	1 Line - 24 dot characters (Best for 2D Coding)	0.5	0.4
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, 13, UPC A, E Code 39, 93, 128, 2 of 5, ITF-14, GSI-128	
	2-D Barcodes	Datamatrix, QR Code, Dot Code, Han Xin, Postnet	

OWNERSHIP SPECIFICATION		
OPERATING	User interface	10.4" colour touchscreen (Option) 7" colour touchscreen (Option)
	Software	QuickStep 3
	Operator friendly	✓
CONSUMABLES	Single button start and stop	✓
	Automatic cartridge recognition	✓
	Intelligent Level Monitoring	✓
SERVICING	Cartridge runtime**	267 hours
	Cartridge replacement	20 second operator task No line stop required
	Service model	Service free ITM system
ENVIRONMENT	ITM replacement frequency <sup>†</sup>	12 months
	ITM replacement	Sub 10 minute operator task Line stop required
	Operating temperature <sup>†</sup>	5-45°C
ENVIRONMENT	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      0123456789

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

Maximum DPI (9 Dot)

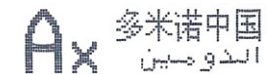
Standard DPI	Maximum DPI
01234567	0123456789
01234567	0123456789
012345	01234567
012	0123

5 Dot (Fastest)  
7 Dot  
9 Dot (Best Quality)  
Large Characters (Up to 32 Dot)

### 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

# Ax550i

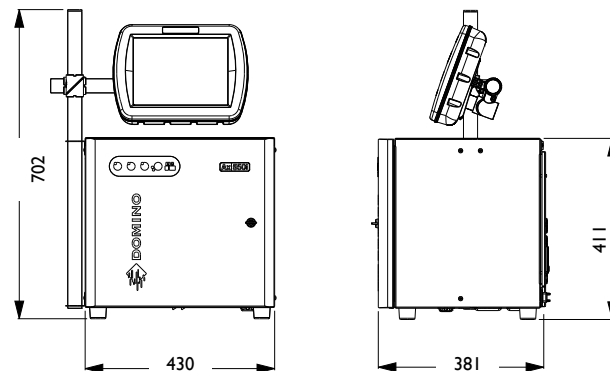
## Technical Specification



### 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        3m – Std 6m – Option    6m – Option
	Conduit bend radius (minimum)	65mm
CABINET	Material	316 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 (HD 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

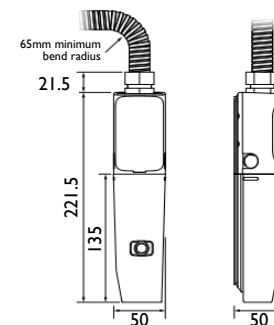


OPTIONS			
HARDWARE PACK	Status pack option	4 stage beacon output (x1) 4 stage alarm output (x1)	
	Comms pack option	Cabinet USB port (x1) Ethernet RJ45 port (x1)	
	Extended comms pack option		Cabinet USB port (x1) Control port (x1) TouchPanel 2/ethernet port (x1)
		RS232 pack option	RS232 port (x1)
		GPIO pack option	I/O – 4 inputs/4 outputs (x1)
	Extended I/O pack option	I/O - 12 inputs/4outputs (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

The Domino word mark and device are registered trademarks of Domino Printing Sciences plc