



# Turbo Plus & Turbo Plus 220

Speed, Reliability and Innovation

The production speed and reliability of the Columbia Turbo and wider Turbo 220 has made this platform the most popular high volume UV flatbed in the world. The latest variant, the Turbo Plus provides the end-user with a cost effective method of producing short run display PoP and signage.

# Turbo Plus & Turbo Plus 220

## Technical Specifications

	Turbo Plus	Turbo Plus 220
Print area (max)	3.2 x 1.6m 126 x 86"	3.2 x 2.2m 126 x 86"
Print area (min)	148 x 210mm 5.82 x 8.26"	148 x 210mm 5.82 x 8.26"
<b>Productivity</b> Print speed per hour m <sup>2</sup> /ft <sup>2</sup>		
Application: Poster	170m /1827'	170m /1827'
Display/POP	120m /1290'	120m /1290'
High quality	60m /645'	60m /645'
Back lit	54m /580'	54m /580'
Substrate thickness	40mm /1.5"	40mm /1.5"
Print finish	Satin	Satin
Direct to rigid and flexible substrates	✓	✓
<b>Ideal applications</b>		
Point of Purchase	✓	✓
In-store graphics	✓	✓
Exhibition graphics	✓	✓
Theatre graphics	✓	✓
Backlit displays	✓	✓
Indoor signage	✓	✓
Outdoor signage	✓	✓
Construction & real estate signs	✓	✓
Lenticular/ 3D printing	✓	✓
Rigid building coverings	✓	✓

	Turbo Plus	Turbo Plus 220
<b>Physical Characteristics</b>		
Power supply	400-440v 3 phase	400-440v 3 phase
Width	3.2m (10.5')	3.8m (12.5')
Length	9.45m (31.5')	9.45m (31')
Height	2m (6.6')	2m (6.6')
Space requirement	15 x 7.5m (50 x 25')	15 x 8.1m (50 x 26')
Approximate weight	3750kgs (8250lbs)	4500kgs (9900lbs)
Factory air requirement	90psi	90psi
RIP	Wasatch	Wasatch
Network requirements	1000BaseT	1000BaseT
<b>Machine Features</b>		
Number of Piezo print heads per print module	16	16
Full vacuum table	✓	✓
Maximum substrate weight	40kgs (88lbs)	40kgs (88lbs)
Micro height adjustment control for maximum print quality	✓	✓
Print edge to edge	✓	✓
Print double sided in registration	✓	✓
Registration points	Double	Double
Text quality	Fine (10pt)	Fine (10pt)
One year printer warranty	✓	✓
<b>Additional colours</b>		
Light colours (Lm, Lc)	○	○
Ultratone and white	○	○
<b>Other Features</b>		
AutoSpeed material handling	○	○

✓ Standard ○ Optional

## Features and Benefits

### Flatbed design

- Moving bed design for maximum productivity
- Ergonomic design for ease of material handling
- Strong vacuum capable of handling irregular media
- Laser exclusion zone for operator safety
- Additional colour option
- Capable of supporting up to 40kgs (88lbs)

### x-y registration

Dual registration points allows for:

- Edge to edge printing
- Double sided printing
- Ideal for interchanging between screen and digital printing

### AutoSpeed - semi-automated handling system

- Increases productivity
- Reduces operator intervention
- Single or multi-sheet capability
- Suitable for a wide range of rigid and flexible materials
- Handles material up to 10mm (0.39") thick and 10kgs (22lbs) in weight

## The Uvijet Advantage

Using Sericol's unique Micro-V ultrafine dispersion technology to maximise pigment loading, the Uvijet range of UV curing inks delivers strong vibrant, lightfast colours.

- Environment-friendly UV curable process
- Specifically formulated for each individual printer
- Excellent chemical and abrasion resistance
- Exceptionally wide adhesion range\*
- Printhead replacement programme available
- 5-litre open top containers for ease of use

\* For certain applications the use of a Uvijet adhesion promoter is recommended.



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As part of our commitment to protecting the environment, we have sought to produce this brochure with the minimum environmental impact.

Printer: Breckland Print - ISO 14001-accredited and FSC-certified printer that has implemented a wide range of materials, energy and waste-reducing initiatives

Plates: FUJIFILM Brilia HD PRO-T - processless plates that eliminate the processor, chemistry, water and waste from the plate production process

Paper: Greencoat Plus Velvet - FSC-certified, 80% post-consumer waste recycled paper

Inks: Ultrachem Reflecta eco - vegetable-based