



The Titanium 85, 125 and 165 are high-end, compact, high productivity Conventional and Thermal Plate Processors.

They have been designed and built to meet the requirements of even the most demanding pre-press environment.

New features include:

- PLC control system and full colour LCD touch screen display
- Small more compact footprint
- Fully adjustable developer guide plates
- High efficiency drying system
- Large bore/high flow waste drainage system

The Titanium can be configured for on-line or off-line use using the extensive range of optional platesetter interfaces or infeed and exit tables.

Other options include second developer brush, water recirculation, bottle sensors, plate re-entry and wash down hose



OFFSET
THERMAL / CONVENTIONAL

TITANIUM | 85/125/165



Full Colour LCD Touch Screen HMI Display provides access to all control functions and displays all processing parameters

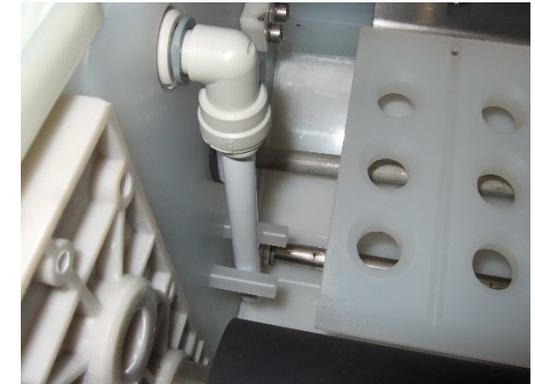


Fully adjustable developer plate guides. Ensures perfect plate alignment into and through the developer section reducing any potential for bow waves

PLC control system with inverter conveyor/drive and brush motor control



Direct-to-tank replen system ensures consistent developer activity



Easy access to all major components including pumps and motors via quick release and removable covers



Heavy duty chain drive system with AC drive and brush motors. Idlers fitted with sealed ball race bearings for maintenance free operation

TECHNICAL CHARACTERISTICS

- PLC control system with intuitive touch screen display
- Development by immersion and single rotating brush roller with facility for second (optional) brush
- Adjustable developer temperature from 15 to 34°C
- Developer constantly circulated via filter and two immersed spray bars to ensure uniformity of temperature and conductivity
- Integrated developer cooling system – chiller and water cooled coil in tank
- Developer cover to minimise oxidation
- Automatic m² and anti-ox (hourly & sleep) developer replenishment
- Adjustable transport roller (dip time) speed from 700 to 2000mm/min. (14-40 seconds)
- Adjustable brush roller speed from 10 to 150RPM
- Rotating brush roller in rinse
- Manual flow control valves on rinse & gum spray bars
- Fully adjustable dryer output power from 0 to 100%
- 7-day start/stop timer function
- Programmable jog/auto run function
- Plate jam detection
- Developer, Developer Filter & Gum Change Alarm & usage displays
- Roller assemblies easily removed without tools
- All tank components including spray bars, guides etc. easily removed for cleaning and servicing
- Pumps and motors easily accessible for servicing
- Heavy duty chain drive system with AC motors

Bottle Sensors – Option

The **TITANIUM** can be fitted with optional bottle sensors for the developer replen and developer overflow containers. The sensors generate a 'Check Bottles' error when either the developer replen bottle is empty or the developer overflow bottle is full.



Water Saving System – Option

The **TITANIUM** can be fitted with an optional Internal Water Recirculation System which reduces water usage and waste by up to 90%. The rinse tank holds a volume of water which is then re-circulated and filtered via upper and lower spray bars in the tank. The tank is replenished every m² of plate processed via a mains water supply and solenoid valve. Only a minimal amount of water is used/wasted per plate compared to the Direct to Drain method.



TITANIUM 85/125/165 SPECIFICATIONS

	85	125	165
PLATE TYPES	Most Conventional, UV (CTcP) & Thermal Lithographic Plates		
MAXIMUM PLATE WIDTH	850mm (33.4")	1250 (49.2")	1650mm (64.9")
MINIMUM PLATE LENGTH	300mm (11.8")		
PLATE THICKNESS	0.15-0.40mm (0.006-0.016")		
PROCESSING SPEED	700-2000mm/min. (27.56-78.74"/min.) / 14-40 seconds dip-to-nip		
DEVELOPER TANK CAPACITY	48 litres (12.68 US gal.)	70 litres (18.49 US gal.)	105 litres (27.74 US gal.)
RINSE TANK CAPACITY	31 litres (8.19 US gal.)	44 litres (11.62 US gal.)	75 litres (19.81 US gal.)
GUM/FINISHER TANK CAPACITY	3.5 litres (0.92 US gal.)	5.3 litres (1.40 US gal.)	8 litres (2.11 US gal.)
MACHINE DIMENSIONS (L x W x H) Excl. Control Pod	1265 x 1426 x 1115-1185mm (49.8 x 56.1 x 43.9-46.7")	1265 x 1840 x 1115-1185mm (49.8 x 72.4 x 43.9-46.7")	1580 x 2270 x 1155-1225mm (62.2 x 89.4 x 45.5-48.2")
PLATE INPUT HEIGHT	920-990mm (36.2-39.0")		910-980mm (35.8-38.6")
PLATE EXIT HEIGHT	910-980mm (35.8-38.6")		925-995mm (36.4-39.2")
MACHINE NET WEIGHT	600kg (1320lbs)	720kg (1584lbs)	880kg (1936lbs)
ELECTRICAL SUPPLY	3Ph + N + PE/GND (4W + GND), 16A, 230/400V AC, 50/60Hz		3Ph + N + PE/GND (4W + GND), 20A, 230/400V AC, 50/60Hz
	1Ph + N + PE/GND (2W + GND), 20A, 200-230V AC, 50/60Hz		1Ph + N + PE/GND (2W + GND), 35A, 200-230V AC, 50/60Hz
WATER SUPPLY / WASTE CONNECTION	Supply = 3-5 bar (43.5-72.5 psi) / 3/4" BSPM – Waste = 32mm Compression Elbow / 1-1/2" BSPM		
NOISE LEVEL	<60dB		
ROOM TEMPERATURE / HUMIDITY	18-29°C (64.4-84.2°F) / 20-70% non-condensing		
APPROVALS	Complies to CE standards		

HEIGHTS (UK) LTD. maintains a policy of continuous product improvement and reserves the right to change specification without notice

HEIGHTS (UK) LTD.
Wainstalls, Halifax, West Yorkshire
HX2 7TJ, United Kingdom
Tel.: +44 (0)1422 240914
Fax: +44 (0)1422 240589
Email: info@heights-uk.com
Web: www.heights.com

HEIGHTS USA INC.
1445 Lower Ferry Road, Ewing
Trenton, New Jersey, USA
Tel.: +1 609 530 1300
Fax: +1 609 530 9430
Email: info@heights-usa.com
Web: www.heights-usa.com

HEIGHTS ASIA
Please contact: Mr John Lee
Tel.: +86 1360 123 8167 (PRC)
Tel.: +82 10 3300 7457 (RoK)
Email: lee.j@heights-asia.com
Web: www.heights.com

