



The iNDiUM 85 is compact conventional and thermal litho plate processor designed for medium to high throughput printers.

Based on the hugely successful INCA platform the iNDiUM is robust in construction and is simply to operate.

Features include:

- Microprocessor control system with full colour LCD touch screen display
- Small compact footprint
- Fully configurable for most conventional and thermal plate types

The iNDiUM 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 developer conductivity readout, second developer brush, water recirculation and drip tray.



## iNDiUM 85



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

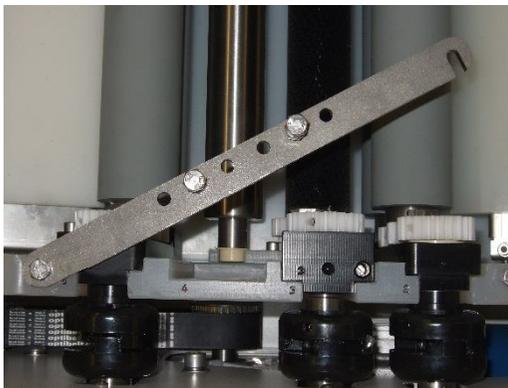
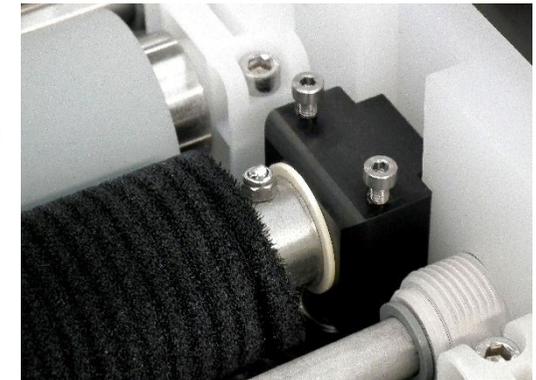


Fully adjustable developer plate guides. Ensures perfect plate alignment into and through the developer section reducing any potential for bow waves

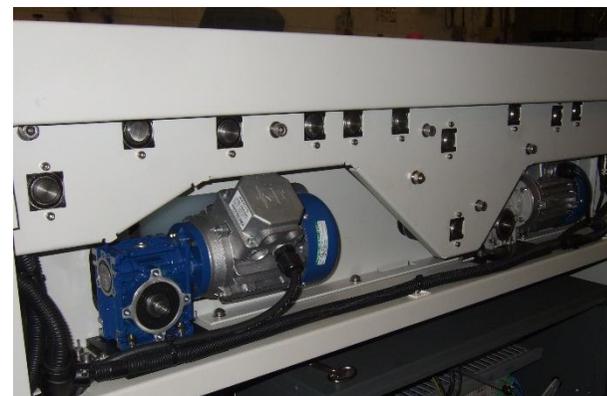
Microprocessor control system with inverter conveyor/drive motor control



Brush in rinse section to ensure plates are thoroughly cleaned before gumming



All rollers easily removed for cleaning and maintenance



Heavy duty belt drive system with AC drive and brush motors for near maintenance free operation

## TECHNICAL CHARACTERISTICS

- Microprocessor 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 m<sup>2</sup> and anti-ox (hourly & sleep) developer replenishment
- Adjustable transport roller (dip time) speed from 700 to 2000mm/min. (14-38 seconds)
- 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
- 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 belt drive system with AC motors

### Chiller

The **iNDiUM** is fitted with a chiller to ensure that the developer temperature is maintained at the optimum temperature.



### Water Saving System – Option

The **iNDiUM** 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 m<sup>2</sup> 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.



## INDIUM 85 SPECIFICATIONS

	<b>85</b>
PLATE TYPES	Most Conventional, UV (CTcP) & Thermal Lithographic Plates
MAXIMUM PLATE WIDTH	850mm (33.4")
MINIMUM PLATE LENGTH	240mm (9.4")
PLATE THICKNESS	0.15-0.40mm (0.006-0.016")
PROCESSING SPEED	700-2000mm/min. (27.56-78.74"/min.) / 14-38 seconds dip-to-nip
DEVELOPER TANK CAPACITY	32.5 litres (8.59 US gal.)
RINSE TANK CAPACITY	22 litres (5.81 US gal.)
GUM/FINISHER TANK CAPACITY	3 litres (0.79 US gal.)
MACHINE DIMENSIONS (L x W x H) Incl. Control Pod	1145 x 1310 x 1105-1185mm (45.1 x 51.6 x 43.5-46.7")
PLATE INPUT HEIGHT	863-943mm (34.0-37.1")
PLATE EXIT HEIGHT	858-938mm (33.8-37.0")
MACHINE NET WEIGHT	380kg (836lbs)
ELECTRICAL SUPPLY	3Ph + N + PE/GND (4W + GND), 16A, 230/400V AC, 50/60Hz
	1Ph + N + PE/GND (2W + GND), 16A, 200-230V AC, 50/60Hz
WATER SUPPLY / WASTE CONNECTION	Supply = 3-5 bar (43.5-72.5 psi) / 3/4" BSPM – Waste = 36mm O/D pipe for 32mm Compression Fitting
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](mailto:info@heights-uk.com)  
Web: [www.heights.com](http://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](mailto:info@heights-usa.com)  
Web: [www.heights-usa.com](http://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](mailto:lee.j@heights-asia.com)  
Web: [www.heights.com](http://www.heights.com)

