

Palmer-Tech Services

Providing 2-Piece Can Making Technology

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PTS Waterflow

Photopolymer Letterpress Platemaking Machine

The Waterflow line comes in a range of compact plate making machines specially designed for the preparation of photopolymer plates. The system is designed for plate makers on a low budget. Metal based plates do not require any transport system through the machine. An optional auto-adhesive sheet carrier is available for polyester plates.

Located in Chicago, we are a container printing solutions company specializing in PTSdeco® water-washable photopolymer plates, PTS CanPro2 series offset printing blankets, and letterpress plate processing systems, both in-line and compact systems.

Key Advantages

- In-line processor, in-line dryer & post exposure
- Two shelves exposure module
- In-line washout and dryout units
- In-line exposure with UVA lamps
- Complete cycle is computer controlled



SINCE 1996
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Please contact us today for more information
on PTSdeco® photopolymer plates

WATERFLOW

Technical Data

	Waterflow 450	Waterflow 660	Waterflow 920
Maximum plate width	450 mm (17.7 inches)	660 mm (26 inches)	920 mm (36.2 inches)
Height	1120 mm (44.1 inches)	1120 mm (44.1 inches)	1120 mm (44.1 inches)
Width	1100 mm (43.3 inches)	1280 mm (50.4 inches)	1530 mm (60.2 inches)
Length	3150 mm (124 inches)	3370 mm (132.7 inches)	4050 mm (159.5 inches)
Weight	350kg (770 lbs)	400kg (880 lbs)	500 kg (1100 lbs)
Electrical supply	230/400 V 3Ph + Neutral + Ground 50/60 Hz	230/400 V 3Ph + Neutral + Ground 50/60 Hz	230/400 V 3Ph + Neutral + Ground 50/60 Hz
Power requirements	7 kW	9.5 kW	11. kW
Exhaust	Ø 80 mm (3.1 inches)	Ø 80 mm (3.1 inches)	Ø 80 mm (3.1 inches)
Dryer heater	3 kW	4 kW	6 kW
Water heater	3 kW	4 kW	4 kW
Watertank capacity	40 litres (11 US gallons)	50 litres (13 US gallons)	50 litres (13 US gallons)
UVA lamps	4 x 40 W	4 x 60 W	4 x 60 W
Noise	< 70 dB (A)	< 70 dB (A)	< 70 dB (A)

Note: please specify your power requirements with your order.

Key Advantages

- The Waterflow in-line plate processing system incorporates an in-line processor, an in-line dryer and post exposure.
- Option: A two shelves exposure module which fits under the drying unit.
- Washout (in-line): The plate is washed out by 2 alternating brushes (model 660 & 920) or 1 oscillating brush (model 450). For some plate types, a plush model is available as an option. The plate surface is automatically rinsed by fresh water from a spray bar and the wiping is done by a high capacity sponge roller.
- Dryer (in-line): The plate is automatically transferred into the dryer unit and dried by hot air flow (4 kW heater resistance). The washout result may be checked through a glass "window".
- Post exposure (in-line): After the plate has been dried, it moves into the post exposure unit fitted with UVA lamps.
- The complete cycle is computer controlled. An exhaust fan, to be used when processing plates with an unpleasant smell, is included in the unit.

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