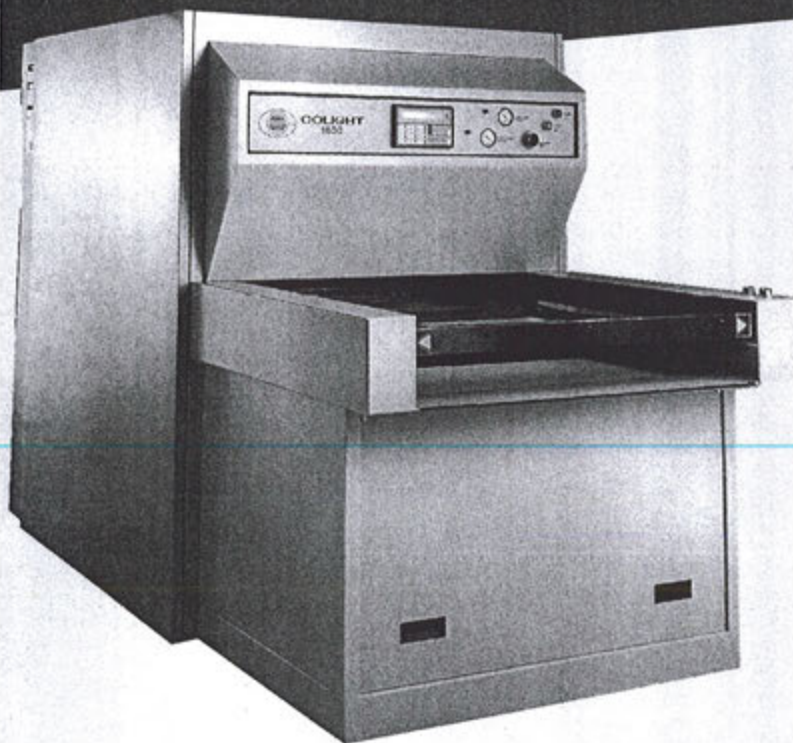


"Results Across the Board."TM

COLIGHT

1600

**DUAL
FRAME
EXPOSURE
SYSTEM**



Outstanding Exposure Speed for LPISM- Ideal for Dry Film Imaging

- High intensity exposure unit.
- Operation at two levels of power: 3Kw/5Kw.
- Medium pressure additive lamps with spectral response that can be tailored to your processing needs.
- 36,000 BTU (3 ton) air conditioning unit can be conveniently located inside or outside building.
- Optional in-house chilled water system capability.
- Maintains stabilized frame, artwork and board temperature during exposure.
- No warm air released into exposure room.
- Internal temperature sensor monitors cabinet temperature and controls air conditioner/chiller as required.
- Sliding door on each side of machine offers easy access for preventative maintenance.
- DC driven, highly durable, dual chain tray drive system.
- Super fast vacuum draw down.
- Minimized footprint.
- Design complies with international (CE) standards.

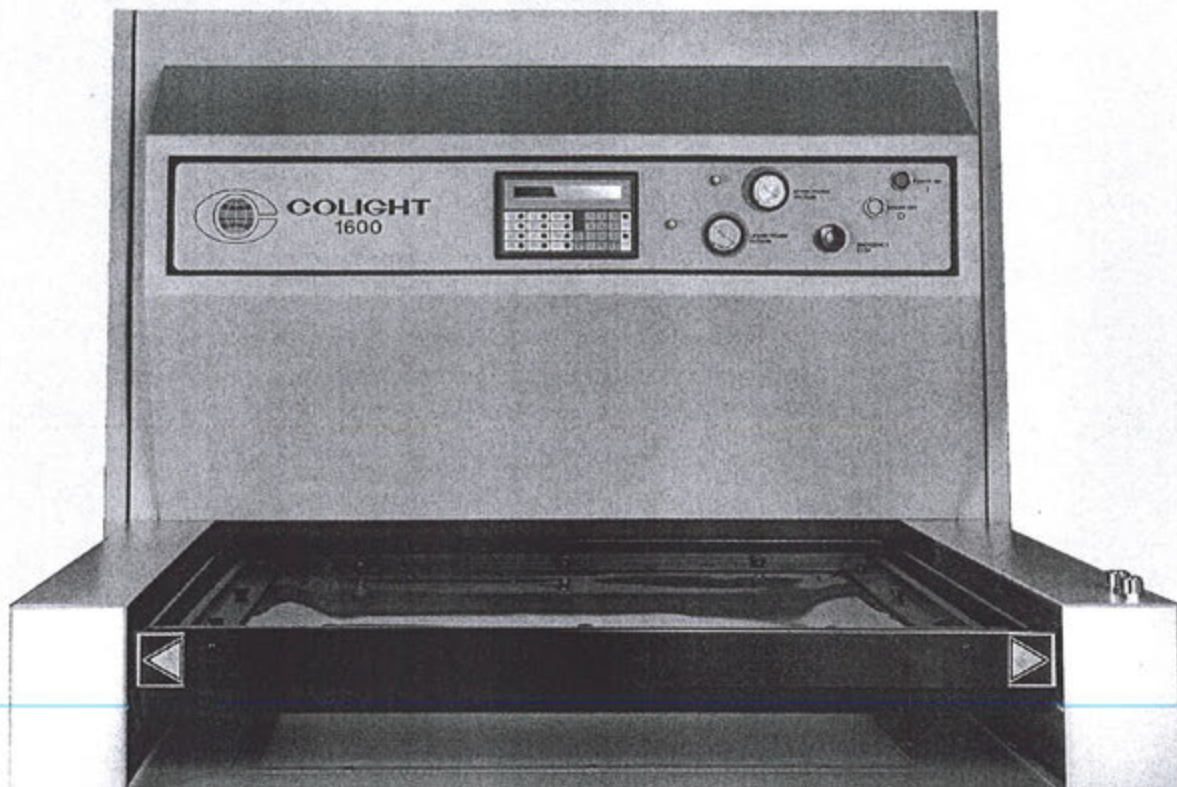


COLIGHT

COLIGHT

1600

DUAL FRAME EXPOSURE SYSTEM



FEATURES

Selectable lamp output of 3Kw, 5Kw.

Quick release polyester film vacuum frame is industry standard.

Field-proven motorized vacuum frame transport system.

36,000 BTU thermostatically-controlled chiller system with remote mounted condenser.

High performance blowers and air handling system.

Compartmentalized construction.

PLC controlled.

Presets.

Advanced System Design.

BENEFITS

Ideal for dry film imaging.

Excellent exposure speed for LPISM.

Polyester film can be changed easily and rapidly (without tools.)

Rapid exchange of vacuum frames for maximum throughput.

Maintains stabilized frame, artwork and board temperature during exposure, does not release warm air into work area.

Two independent systems provide forced chilled air to each side of the exposure frame.

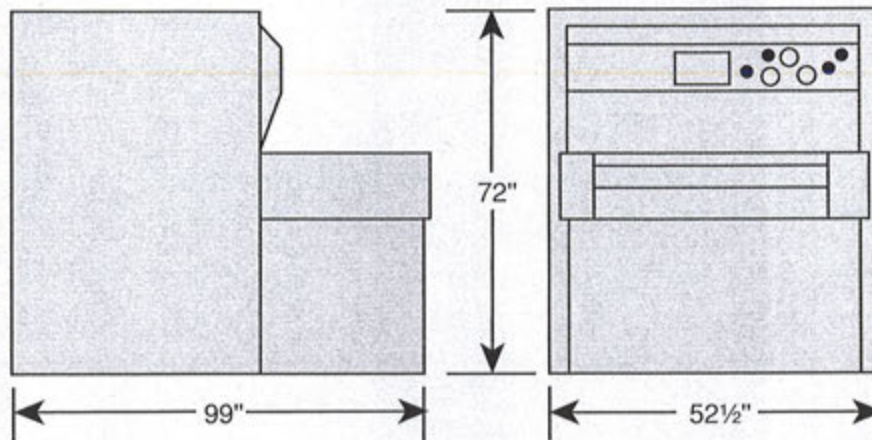
Separates the electrical and optical components into easily accessible areas for service. Minimizes heat build-up in the exposure chamber.

Ease of operation offering maximum control and monitoring of all operating parameters.

Stores up to 10 exposure profiles.

Minimizes downtime while maximizing production time and throughput.

DIMENSIONS



SPECIFICATIONS

| | | | |
|--------------------------|---|---|--|
| MACHINE TYPE: | Upright exposure system with two vacuum trays providing simultaneous double-sided exposure over a 24" x 30" (61cm x 76cm) area. | OPERATOR INTERFACE: | Microprocessor control logic with Independent exposure program selection and presets. |
| CONSTRUCTION: | Welded all-steel body with twin sliding doors for easy access and minimal floor space requirements. | ELECTRICAL: | Vertical mount provides easier access. Enclosed components for "finger safe" operation. Design complies with international standards (CE). |
| FINISH: | Textured paint - exterior. Painted, anodized or plated - interior. | COOLING: | Cabinet temperature sensor monitors and controls internal cooling. Air conditioner condenser designed for mounting inside or outside building. In-house chilled water option. No internal plumbing required. |
| LAMPS: | Available with spectral output to match specific applications. Operating levels: 3KW/5KW Intensity 33mw/cm ² 55mw/cm ² Measured with model IL1350B probe Easy lamp/reflector change | DIMENSIONS: | 52 1/2" wide (136cm) 72" high (183cm) 99" deep (251cm) |
| EXPOSURE CONTROL: | Programmable logic control. Programmable memory feature. Ten exposure presets. Lamp failure indicator. | WEIGHT: | 2500 lbs (1134kg) |
| UNIFORMITY: | ±10% | MACHINE ELECTRICAL REQUIREMENTS: | 208 Volt, 3 Phase, 60 Hz, 60 Amps 220 Volt, 3 Phase, 50 Hz, 60 Amps 230 Volt, 3 Phase, 60 Hz, 60 Amps 380 Volt, 3 Phase, 50 Hz, 35 Amps 415 Volt, 3 Phase, 50 Hz, 35 Amps 460 Volt, 3 Phase, 60 Hz, 30 Amps |
| SHUTTERS: | Few moving parts. 5/8" ball bearings for smooth operation. Specifically directed airflow, improved blower coupling. Smooth air driven operation. Aluminum and stainless steel construction resists corrosion. | CHILLER: | 36,000 BTU Standard 48,000 BTU Optional Compressor unit is mounted remotely. |
| VACUUM: | 24" x 30" frame size (61cm x 76cm). Available option 26" x 32" (66cm x 81cm). | CHILLER DIMENSIONS: | 35 inches wide (89cm) 32 inches high (81cm) 35 inches deep (89cm) |
| FRAMES: | 3-second drawdown for faster throughput, improved registration. | COMPRESSOR ELECTRICAL REQUIREMENTS: | STANDARD: (36,000 BTU) 208 Volt, 3 Phase, 60 Hz, 15 Amps 230 Volt, 3 Phase, 60 Hz, 15 Amps 380 Volt, 3 Phase, 50 Hz, 10 Amps 415 Volt, 3 Phase, 50 Hz, 10 Amps 460 Volt, 3 Phase, 50 Hz, 10 Amps |
| VACUUM TRAY: | Lower member is constructed of glass with a metal frame and is hinged for easy cleaning. Upper member is a metal frame and holds the polyester film for vacuum contact. | OPTIONAL HIGH CAPACITY: (48,000 BTU) | 208 Volt, 3 Phase, 60 Hz, 25 Amps 230 Volt, 3 Phase, 60 Hz, 25 Amps 380 Volt, 3 Phase, 50 Hz, 15 Amps 415 Volt, 3 Phase, 50 Hz, 15 Amps 460 Volt, 3 Phase, 60 Hz, 15 Amps |
| VACUUM SEAL: | "D" gasket sealing. | COMPRESSED AIR: | 80 psi/1CFM |
| VACUUM PUMPS: | 1/4 hp oilless rotary vane. | | |
| TRAY DRIVE: | Soft start/stop. Smooth operating double chain drive. | | |