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# ScreenPRO 600

The ScreenPRO600 industrial **Computer to Screen** solution features **higher resolution**, **superior image integrity**, richer details and smoother halftone transitions, with an industrial, high output UV LED exposure system built in. **All at an incredible value.**
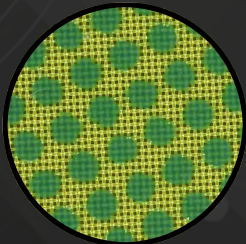
Exceptional Value
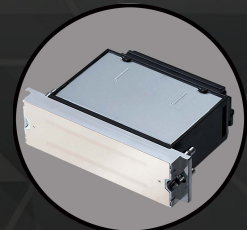
Revolutionary On Board Exposure Unit

X4 Ink High Density Superior CTS Ink

Very High Quality Halftones

Minimal footprint

Compatible With All Pre-register Systems

Ricoh GEN6 High Resolution, Industrial Print head

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Advanced Inkjet Technology ScreenPRO600 CTS system, is a high speed, high resolution industrial computer to screen imaging system based on inkjet printing technology, that **directly generates and exposes** opaque images on emulsion-coated screens with UV-blocking ink so that users can reduce the time and effort required for screen making.

- **HighResolution.**
  Utilizing the advantages of higher resolution inkjet technology, AIT ScreenPro600 has the ability to print computer-to-screen images with richer details and smoother halftone transitions, which are superior to any other CTS System on the market.

- **Proprietary CTS Ink**
  The specially formulated UV-blocking ink also works well on**ALL**emulsions on the market. The AIT X4 ink is far more opaque and stable than any other product on the market.

- **Industrial LED Exposure system**
  Is much higher energy than any other LED exposure system on the market. This allows the use of any type of emulsion including PhotoPolymer, Dual Cures, and Diazo. The RIP provides controll of both exposure speed and energy level.

- **High Efficiency**
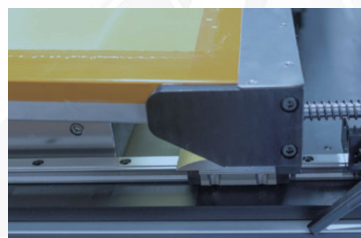  Images and exposes most screens in under 60 seconds.

- **Rapid ROI**
  Elimination of film positives. Film is becoming increasingly expensive, and the suppliers on the market are decreasing. One procedure of CTS digital screen making, replaces five procedures of the conventional process.

- **ColorPRINT server** RIP Software for an efficent workflow.

- **Adjustable Screen Holder** provide fast setup for screen frames up to 635mm x 914.4 mm (25" x 36")

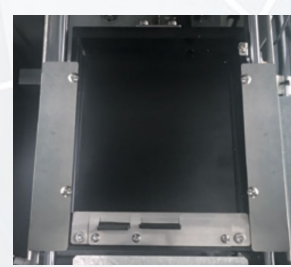| Specifications | |
|---|---|
| Applications | Textile, decals, labels, etc. |
| Max Screen Size | 635 x 914.4 mm (25" x 36") |
| Max Image Size | 508 x 660.4mm (20" x 26") |
| Machine Size | 1520 x 1700 x 1350 mm (W x D x H) |
| Max Screen Thickness | 250.8 mm (2") |
| Print Head | DOD piezoeletric inkjet print technology |
| | 600 DPI Ricoh gen 6 piezo print head |
| Maintenance System | Auto voltage & temp control, auto print head maintenance, variable droplet size control for grayscale printing. |
| Avg. Screen Prod Time | Under 60 seconds |
| Max Resolution | 1440 x 1800 dpi |
| Ink Supply | Black, UV blocking, Ink tank : 1 litre |
| File Formats | Includes EPS,PS, TIFF, etc |
| Number Of Colors | Monochrome |
| Power Requirements | Single Phase 220V,±10% 50/60HZ AC 10 amps max 1000W |
| Operating Conditions | Yellow/dark room - Altitude up to 1000m Temperature 16 - 28°C. (61b - 82°F) 40 - 60% relative humidity (recommended) |
| Included Software | ColorPRINT server RIP software, Print production software (PPS) Print control software (PCS) |
| | Specifications subject to change without notice |


Adjustable Frame Fixture


Locating blocks


Shuttle Gantry Design


Print Head Maintenance Module