NAUTILUS

8-up violet laser CTP with the highest quality imaging at the lowest cost of operation

NAUTILUS introduces the latest advances in optical technology which produces the smallest and hardest dot on the plate. The result is high quality plate imaging with the lowest operating cost in the industry. Nautilus was engineered to image all plate formats from 2 to 8-page signatures with resolutions from 1200 dpi to 2540 dpi. With a maximum format of 37.4" x 46.0" (950mm x 1170mm). The standard unit has production speeds over 18 Speedmaster 102 size plates per hour at 2400dpi. The Nautilus keeps multipress environments efficient through flexible, trouble-free performance.

- Engineered for quality with one of the smallest spot size in the industry supporting screen rulings over 200 lpi.
- Automatic spot size optimized for each resolution.
- Our violet laser technology supports traditional, low-chem, and chemistry-free violet plate technologies.
- Flexible – ECRM's patent-pending plate loading and registration system allows for support of a wide range of plate sizes.
- Nautilus employs a simple plate load sequence that will automatically register and punch plates within .001"
- High precision internal drum with vacuum-free operation.
- Available as a manual system or semi-automatic with a connection to a Clean Out Unit or plate processor. Field Upgradable.
- Bundled with CtServer Professional – ECRM's enhanced 1-bit TIFF server. Our open-ended software system accepts 1-bit TIFF files – choose the solutions you want.
- Basic electricity requirements and quick installation – no dedicated power line needed. Lowest energy consumption in the industry.
- Simple and intuitive operator interface makes training easy for everyone.

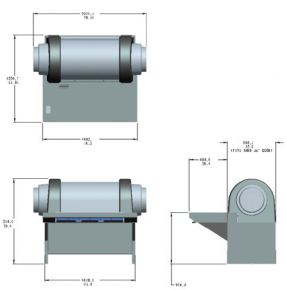
ECRM®
imaging systems

Choose ECRM for your Violet CTP solutions

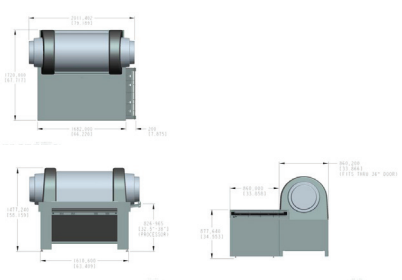
Nautilus Specifications	
Plate Sizes	Maximum: 950mm x 1170mm (37.4" x 46.06") Minimum: 510mm x 400mm (20.08" x 15.75")
Plate Thickness	0.2mm to 0.3mm (0.008" to 0.012")
Media Types	Violet-sensitive photopolymer and silver halide metal plates. See media specifications for safe-light information.
Recording Source	120 mw violet laser diode (405 nm)
Resolutions	Five resolutions from 1200 to 2540 dpi Resolutions include: 1200, 1270, 1800, 2400, and 2540dpi
Maximum Line Screen	Over 200 lpi with AM. Over 350lpi equivalant with DMS. Media dependent
Repeatability	0.025mm (0.001") typical May vary according to media type and processing conditions
Processing	Manual transfer (with M version) or Online Configuration (with SA version) Plate transported automatically into the processor or COU.
Environmental	Power: 100 - 240 Volts; 6A Max; 50/60Hz, single phase
Interface	USB 2.0 High Speed. 3 meter host cable provided.
Operating Conditions	62 - 86 ° F (17 - 30 ° C); relative humidity 45 - 65%, noncondensing. Relative humidity outside of this range may affect performance. Operating conditions outside plate media specifications may affect performance.
Weight	500 kg (1100 lbs.)
Footprint - Manual Model	Width: 201.1cm (79.2") Length: 154.5cm (61") Height: 147.6cm (58.1")
Footprint - Semi Auto Model	Width: 201.1cm (79.2") Length: 172cm (67.7") Height: 147.6cm (58.1")

ECRM products offer the lowest total cost of ownership in the business and the highest quality performance in the industry. Our manufacturing facility is located in Tewksbury, Massachusetts, USA and is certified as being in conformity to ISO 9001:2008 standards. Our signature flexible designs let you decide what's best for your CTP system, workflow, plates and processors. We support you every step of the way and work with you to ensure complete system integrity.

Nautilus Manual



Nautilus Semi-Auto



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All ECRM products carry the CE mark. All products are TUV/NRTL Certified. Class 1 Laser Products ECRM's Tewksbury facility is ISO 9001:2008 certified.

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