

# NAUTILUS SERIES

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 in three model configurations; manual, semi-automatic, and fully automatic.
- 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.



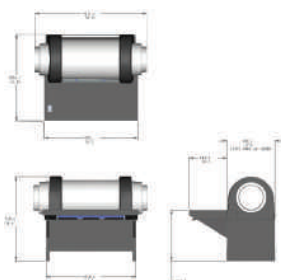
**ECRM**<sup>®</sup>  
imaging systems

# Choose ECRM for your Violet CTP solutions

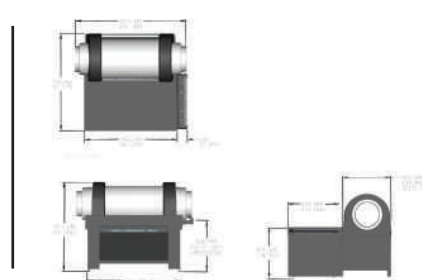
## Nautilus Specifications

<b>Plate Sizes</b>	Maximum: 950mm x 1170mm (37.4" x 46.06") Minimum: 510mm x 400mm (20.08" x 15.75")
<b>Plate Thickness</b>	0.15mm to 0.3mm (0.006" to 0.012")
<b>Media Types</b>	Violet-sensitive photopolymer and silver halide metal plates. See media specifications for safe-light information.
<b>Recording Source</b>	175 mw violet laser diode (405 nm)
<b>Resolutions</b>	Five resolutions from 1200 to 2540 dpi Resolutions include: 1200, 1270, 1800, 2400, and 2540dpi
<b>Maximum Line Screen</b>	Over 200 lpi with AM. Over 350lpi equivalent with DMS. Media dependent
<b>Repeatability</b>	0.025mm (0.001") typical May vary according to media type and processing conditions
<b>Processing</b>	Manual transfer (with M version) or Online Configuration (with SA and FA version) Plate transported automatically into the processor or COU.
<b>Environmental</b>	M/SA - Power: 100 - 240 Volts; 6A Max; 50/60Hz, single phase FA - 100 - 240 Volts; 10A Max; 50/60Hz, single phase, Compressed Air: 80psi (6.2 bar)
<b>Interface</b>	USB 2.0 High Speed. 3 meter host cable provided.
<b>Operating Conditions</b>	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.
<b>Weight</b>	SA - 500 kg (1100 lbs.) FA - 909 kg (2000 lbs.)
<b>Footprint</b>	M - Width: 201.1cm (79.2") Length: 154.5cm (61") Height: 147.6cm (58.1") SA - Width: 201.1cm (79.2") Length: 172cm (67.7") Height: 147.6cm (58.1") FA - Width: 201.1cm (79.2") Length: 292.5cm (115.2") Height: 147.6cm (58.1")
<b>Plate Cassette Capacity (FA)</b>	100 plates 0.3mm (0.012") gauge including slipsheets

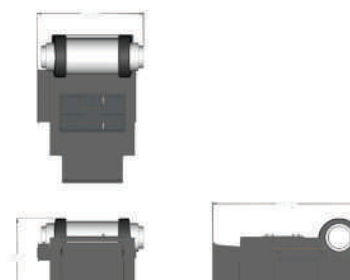
Nautilus  
Manual (M)



Nautilus  
Semi-Auto (SA)



Nautilus  
Full-Auto (FA)



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