PlateRite Ultima 16000N (main unit) specifications

	PlateRite Ultima 16000N-Z	PlateRite Ultima 16000N-S	PlateRite Ultima 16000N-E
Model name	PT-R16000NII		
Recording system	External drum		
Light source	1,024 channel laser diode	512 channel laser diode	
Plate size	Maximum 1,470 x 1,180 mm (57.8" x 46.4"); Minimum 650 x 550 mm (25.6" x 21.7")*1		
Imaging size	Maximum 1,470 x 1,172 mm [57.8" x 46.1"] (Leading edge gripper margin: 3 mm [0.12"]*1; Trailing edge gripper margin: 5 mm [0.20"])		
Plate type	Thermal aluminum plate		
Plate thickness	0.2 to 0.4 mm (7.9 to 15.7 mil)*1*2		
Resolutions	1,200*3, 2,400, 2,438, 2,540 dpi		
Repeatability*4	±5 µm		
Productivity*5	42 plates/hr at 2,400 dpi (1,448 x 1,143 mm/57.0" x 45.0" plates) 46 plates/hr at 2,400 dpi (1,030 x 800 mm/40.5" x 31.4" plates)	29 plates/hr at 2,400 dpi (1,448 x 1,143 mm/57.0" x 45.0" plates) 37 plates/hr at 2,400 dpi (1,030 x 800 mm/40.5" x 31.4" plates)	17 plates/hr at 2,400 dpi (1,448 x 1,143 mm/57.0" x 45.0" plates) 20 plates/hr at 2,400 dpi (1,030 x 800 mm/40.5" x 31.4" plates)
Press punch systems	Installation of up to 10 units		
Interface	Gigabit Ethernet		
Dimensions (W x D x H)	Main unit: 2,740 x 1,772 x 1,511 mm (107.9" x 69.8" x 59.5")		
Weight	Main unit: 1,640 kg (3,608 lb)		
Power requirements	Main unit: Single phase 200 to 240 V, 5 kW, 25 A Chiller unit*6: Single phase 200 to 240 V, 0.7 kW (0.6 kW), 4 A (3 A) Blower unit: Single phase 200 to 240 V, 1 kW, 10 A		
Environment	Recommended: Temperature 21 to 25°C (69.8 to 77°F); Relative humidity 50 to 70% Required: Temperature 18 to 26°C (64.4 to 78.7°F); Relative humidity 40 to 70%		
Options	Press punch systems (SCREEN, Heidelberg, Heidelberg & Bacher, Protocol and Komori), small size option, upgrade to S model*7, air filter unit (AF-190), signal tower unit		

*1. A minimum plate size of 450 x 370 mm and thickness of 0.15 mm (with leading edge gripper margin of 4 mm) are offered as an option. Plates wider than 590 mm and narrower than 610 mm cannot be used.
*2. With a plate thickness of 0.4 mm, only plate sizes of 900 x 770 mm and above can be used.
*3. 1,200 dpi uses doubled 2,400 dpi dots.
*4. Over four consecutive exposures on one plate at 23°C (73.4°F) and 60% relative humidity.
*5. Productivity may vary depending on the sensitivity of the plates used.
*6. The specification of the chiller depends to the region.
*7. Only for the PlateRite Ultima 16000N-E.

Manual plate loading table specifications

Plate transportation	Manual loading, manual unloading (requires interleaf paper removal)
Dimensions (W x D x H)	2,740 x 3,130 x 1,511 mm (107.9" x 123.3" x 59.5")
Total weight	Approx. 1,800 kg [3,960 lb]
Power requirements	Supplied by main unit

Semi-automatic specifications (AT-M16000NII)

Plate transportation	Manual loading (requires interleaf paper removal), automatic unloading
Dimensions (W x D x H)	3,735 x 4,010 x 1,511 mm (147.1" x 157.9" x 59.5")
Total weight	Approx. 2,000 kg [4,400 lb]
Power requirements	Supplied by main unit

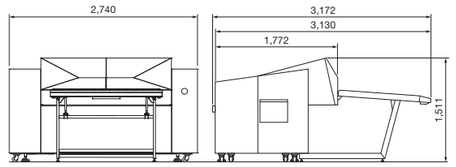
Full-automatic specifications (MA-L16000NII + AT-M16000NII)

Plate transportation	Fully-automatic (automatic interleaf paper removal)	
Cassette capacity	75 plates (for 0.3 mm thickness)	
No. of cassettes	3 cassettes	6 cassettes (3 cassettes each on both sides)
Dimensions (W x D x H)	6,293 x 3,995 x 1,715 mm (247.8" x 157.3 x 67.6")	6,293 x 5,520 x 1,715 mm (247.8" x 217.4" x 67.6")
Total weight	Approx. 3,100 kg [6,820 lb] (not including plates)	Approx. 3,600 kg [7,920 lb] (not including plates)
Power requirements	Supplied by main unit	

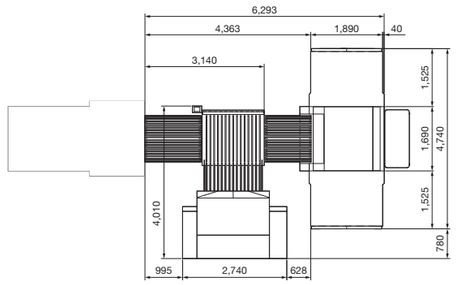
Full-automatic specifications (SA-L24000SKID + AT-M16000NII)

Plate transportation	Fully-automatic (automatic interleaf paper removal)
Pallet capacity	600 plates (for 0.3 mm thickness)
Dimensions (W x D x H)	6,745 x 4,225 x 1,760 mm (265.6" x 166.3" x 69.3")
Total weight	Approx. 2,700 kg [5,940 lb] (not inlcuding pallet and plates)
Power requirements	Separate supply: Single phase 200 to 240 V, 2 kW, 10 A

Space requirements (units: mm)



Manual plate loading table specification



Full-automatic specification (MA-L16000NII with 6 cassettes + AT-M16000NII)
The size of the automatic processor varies with the plates used.

One of the specifications listed above must be selected for the PlateRite Ultima 16000N series.

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PlateRite Ultima 16000N-Z/S/E

Multi-Format Thermal Plate Recorders

High-performance CtP system
featuring industry-leading productivity,
operability and energy efficiency

PlateRite Ultima 16000N-Z/S/E

High-performance CtP system featuring
industry-leading productivity, operability and energy efficiency

High Productivity
Up to **42** plates per hour
For Z model

Automation
Maximizes operating ratios

Ecology
Approx. **53**% less power use during operation

Support
Boosts operational stability

High Productivity — Industry-leading productivity enables faster turnaround

High-speed output of 42 plates per hour

Use of the latest GLV-equipped imaging heads creates significant improvements in the optical system, producing more uniform distribution of illumination. A high-precision auto-focus mechanism also allows the output of our proprietary Spekta 2 hybrid screening and Randot X 20 (20 µm) FM screening.*

The Z model is equipped with a 1,024 channel imaging head that enables the production of an impressive 42 plates per hour. The S and E models also feature 512 channel heads, with respective throughputs of up to 29 and 17 plates per hour.

* For supported plate types

Flexibility to handle a wide range of plates

A single system is able to handle plates with from four to 16 A4 pages. When fitted with the small size option, the same system can process plates right down to 450 x 370 mm (17.8" x 14.6").

System throughputs

	1,448 × 1,143	1,030 × 800
PlateRite Ultima 16000N-Z (1024 Channel)	42	46
PlateRite Ultima 16000N-S (512 Channel)	29	37
PlateRite Ultima 16000N-E (512 Channel)	17	20

• Productivity may vary depending on the sensitivity of the plates used.
• Productivity was measured during output at 2,400 dpi, with the unit connected to an MA-L multi-cassette plate autoloader.

Automation — Autoloader systems boost press operating ratios

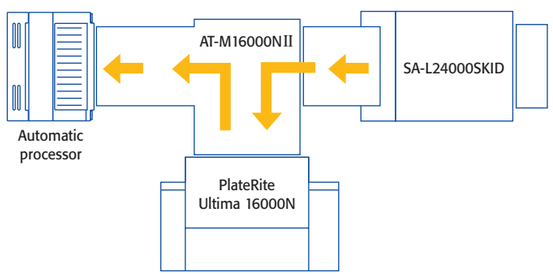
Skid and multi-cassette autoloaders

All 3 models are fully automated by connecting SA-L24000SKID or MA-L16000NII autoloader. The newly released skid loader, SA-L24000SKID, for the PlateRite Ultima 24000N is also available for the PlateRite Ultima 16000N series. Maximum 600 plates* can be mounted on a pallet and it can be set directly in the skid loader.

The multi-cassette autoloader, MA-L16000NII, has 3 cassettes for different plate sizes and can be upgraded to 6 cassettes as an option. Each cassette holds up to 75 plates and can supply maximum 450 plates* to the CtP.

Both autoloader systems greatly contributes to continuous operation, maximizing the efficiency of the whole printing process.

* For 0.3 mm thickness plates



Ecology — Energy-saving design dramatically reduces running costs

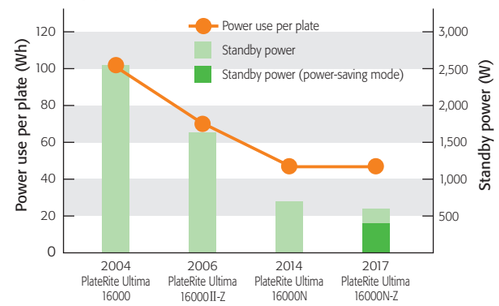
Gentle on the environment

We assess the environmental impact of all our products as a form of design review. The PlateRite Ultima 16000N series has been developed with the goals of minimizing energy use and environmental impact while maximizing safety.

- Energy use during operation is reduced by up to 53%.*
- A power-saving mode allows energy savings during idling.
- Energy use during standby is reduced by up to 84%.*
- All models are compatible with chemical-less plates from a range of manufacturers.
- The use of a registration punch-less system cuts running costs.

* A comparison of the PlateRite Ultima 16000 and PlateRite Ultima 16000N-Z when a plate insertion table is used. The test involved imaging high-sensitivity material of 1,470 x 1,165 mm (57.8" x 45.8"). As power consumption is also affected by the operating environment and other external factors, the above values cannot be guaranteed.

Trends in PlateRite Ultima 16000 series electricity consumption (SCREEN measurements)



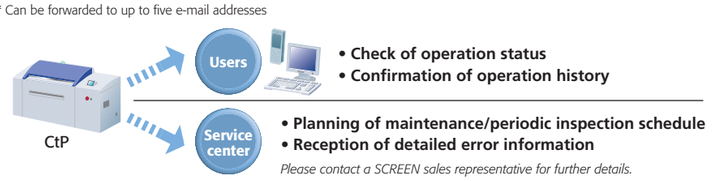
Support — Advanced support boosts system reliability

Remote monitoring function

Users can easily monitor and control their system from a remote location via Web browser or e-mail.* An external PC can also be effectively used as a substitute operation panel to manage CtP settings.

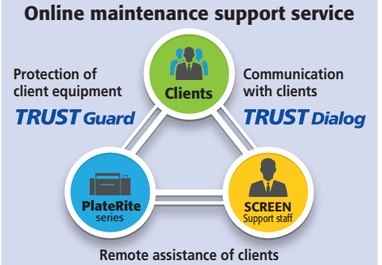
E-mails are automatically forwarded to a service center, providing an in-depth understanding of the operation status of the equipment. This information can be used during maintenance and periodic inspections to ensure the system remains in optimal condition at all times.

* Can be forwarded to up to five e-mail addresses



Please contact a SCREEN sales representative for further details.

TRUST Network Service
Online maintenance support service



• Support for TRUST Network Service is planned.
• Please refer to the catalogue for TRUST Network Service for detailed information.