

Agfa Palladio



Agfa Palladio is a 4-up (B2) flatbed platesetter that brings you a winning combination of automation, reliability, and quality — all in an extremely affordable solution. Now you can eliminate the time-consuming steps required to make plates from film output. Agfa Palladio lets you provide the faster turnaround times you need to compete against quick printers and digital printers. And its wide range of automation features frees up your staff to do high-value work. With Agfa Palladio, you can increase efficiency and keep your presses rolling.

Agfa Palladio: Automated, fast, reliable, and affordable
 Palladio outputs a full-format plate every three minutes, providing the steady stream of plates that keeps your business productive and profitable. Violet-laser imaging raises throughput and lowers the cost of ownership. And for quality, consistency, and convenience, Agfa Palladio outputs industry-leading Agfa Lithostar Ultra-V plates. If you have 4-up presses, the right platesetter is here — Agfa Palladio.



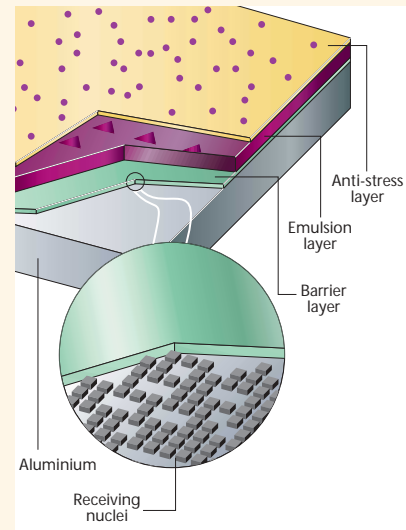
Agfa Lithostar Ultra-V digital plates: The ideal plate for Agfa Palladio

Agfa serves as a single, reliable partner that can provide all the elements you need to succeed with computer-to-plate imaging — including a wide range of platesetters, digital plates, processors, workflow solutions, proofing devices, scanners, and more. Of particular importance is our ability to create the optimum plate for Agfa Palladio. After all, high-quality, convenient plates are the lifeblood of your printing operation.

As the world's leading manufacturer of digital plates, Agfa offers the widest range of plate types and technologies in the world. The ultrasensitive Lithostar Ultra-V — a high-speed aluminum plate based on Agfa's proven silver-halide technology — is the ideal match for the violet-laser imaging of Agfa Palladio. It provides the right run lengths and level of quality for the wide range of 4-color applications that you produce — including brochures, documentation, and more.

The leading violet-laser imaging plate

Lithostar Ultra-V is a high-sensitivity plate designed for ideal imaging with the shorter wavelength (410 nm) of a violet laser. The result is the hardest dot possible, excellent contrast and edge sharpness, fastest exposure times, and ideal performance on press. For convenience, Lithostar Ultra-V can be handled safely in near-daylight conditions with yellow safelights. With Lithostar Ultra-V, Agfa provides a digital plate that achieves optimal results with Agfa Palladio — and lets you keep your ongoing cost of ownership low.



Agfa Lithostar Ultra-V features an HCl-grained and anodized aluminum substrate that provides the solid foundation for exceptional performance. Graining improves adhesion with the image layer, while anodizing improves durability and prevents scratching. Agfa Lithostar Ultra-V incorporates improved electrochemical graining and anodizing that enables the plate to deliver the hard dots and imaging sharpness necessary for high-resolution platesetting.

Agfa Lithostar Ultra-V's coating layer includes silver-halide particles evenly distributed and suspended in a gelatin layer. During exposure, the laser exposes and fogs the non-imaged areas, which are removed during development. In the image areas, the silver migrates downward through the emulsion and adheres to the aluminum substrate. In the final wash stage, any remaining traces of gelatin are washed away from the image area. Agfa Lithostar Ultra-V requires less washing, and any non-imaged silver is safely washed away and recovered for reuse.



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To stay profitable, your printing operation needs to take on more jobs and complete them as quickly as possible. So how do you expand? You could bring in new personnel—and add them to your payroll, along with the workspace they need. Or you could make Agfa Palladio the center of your prepress environment—raising the efficiency of your entire operation and driving your current presses to new levels of productivity. If you want to increase the number of job jackets you process every day, without adding personnel, then Agfa Palladio is right for you.

Agfa Palladio keeps the jobs flowing via a series of productivity-enhancing features, rock-solid reliability, and unequaled automation. It achieves the fast speeds that let you create more plates in less time — doing more jobs per shift. And it provides a level of speed at a level of quality appropriate for the wide range of applications today's printers produce.

Smart design

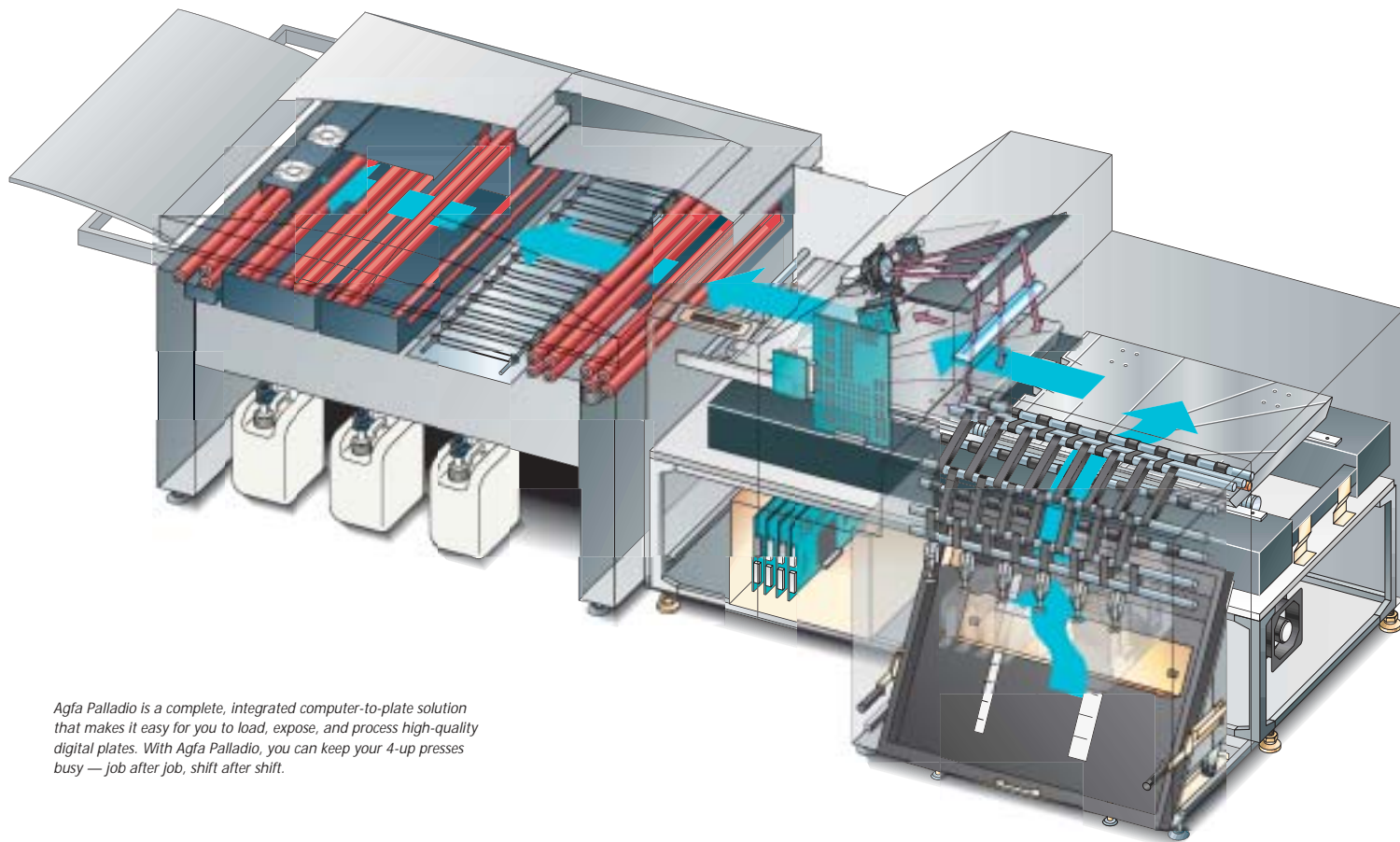
Agfa Palladio is designed to achieve exceptional reliability, automation, and quality — the kind that today's printers need to stay competitive.

• High-speed flatbed imaging

Agfa Palladio is designed to produce plates quickly and to eliminate delays in the prepress process. Its proven flatbed design is the right approach for exceptional reliability in a 4-up format. A high-speed flatbed transport system keeps the plates moving quickly and accurately through the entire exposure process. This flatbed design — plus other speed-enhancing features — enables Agfa Palladio to output an extremely efficient twenty plates an hour.

Agfa Palladio makes it easy to bring computer-to-plate technology to your operation with a complete, turnkey solution that provides the highest levels of automation, consistency, and reliability.





Agfa Palladio is a complete, integrated computer-to-plate solution that makes it easy for you to load, expose, and process high-quality digital plates. With Agfa Palladio, you can keep your 4-up presses busy — job after job, shift after shift.

- **Violet laser enables faster imaging**

Agfa pioneered violet-laser imaging in computer-to-plate solutions. Now Agfa Palladio brings this innovative, fast imaging technology to a wider audience. Agfa Palladio images plates with a state-of-the-art violet laser diode operating at a frequency of 410 nm. The laser is extremely reliable, providing consistent laser energy over a very long life.

Full automation

Advanced automation capabilities are the hallmark of Agfa Palladio, which requires very little attention from your prepress staff.

- **“Hands-off” operation**

With Agfa Palladio, your presses will be very busy — but the system’s advanced automation capabilities require very little attention from your prepress staff. Just load it and start making plates. From loading to processing to unloading — Agfa Palladio makes the process of producing plates as streamlined and automated as possible. After all, much of the total cost of owning a computer-to-plate solution is the labor required to load, monitor, adjust, and unload the platesetter. The maximum automation of Agfa Palladio frees your staff to do more strategic work.

Since Agfa Palladio is a fully automated system, it eliminates the need for a full-time employee to make plates. Best of all, this high level of automation comes at a reasonable price — resulting in a low ongoing cost of ownership. So for about the price of a manual system, you can get Agfa Palladio — a fully automatic platesetter that reduces labor and plate costs while enabling you to create high-quality aluminum digital plates.

- **Automated plate loading and handling**

Agfa Palladio provides fully automated plate handling — simplifying the process. A special media cassette keeps 50 plates online and ready for imaging, making it easy for you to output long runs of multiple pages with minimal effort. An ergonomically designed cart makes it easy to move and position input cassettes. The cart docks easily and quickly with the engine, putting 50 plates at your fingertips. Compare this approach to manual systems, which require you to load plates one at a time.



Agfa Palladio’s special media cassette is extremely easy to load and use. With it, you can keep up to 50 plates online — bringing new efficiency to multiple-page jobs.

- **Smart cassettes streamline the process**

Agfa Palladio media cassettes feature unique ID codes that let users assign media parameters and press destinations. The system's cassette sensor automatically reads the ID code and recalls the appropriate preset data — saving operators the time and trouble of inputting this data each time they change cassettes. Users can preset parameters for a variety of printing presses and media sizes — including plate size, presence/absence of interleaf paper, grip/antigrip size, image centering, burn-out margins, and notch configuration.

- **Automatic slipsheet removal**

Agfa Palladio uses a loading sensor to automatically determine whether the top sheet in a cartridge is metal or paper. It then routes paper slipsheets to a disposal area for convenient removal at a later time, eliminating the potential for introducing humidity and debris into the imaging area. Automatic slipsheet removal saves time and reduces operator attention, keeping overall productivity high. Plates are automatically routed to the imaging table. These advanced automation features and more ensure that your platemaking operation will be simple, automated, and reliable.

- **Efficient online processing**

To complete the Agfa Palladio's automated approach to platemaking, Agfa also offers online processors. These high-quality online processors enable you to automate the plate production process all the way through development and output. Integrating seamlessly with the engine, the online processor makes platemaking a completely automated process.

- **An optional internal notching system**

Agfa Palladio offers an optional internal notching system that can notch plates for added repeatability and maximum convenience. Since Agfa Palladio plates are positioned flat on the table, notch units can be used for two different notch configurations. The system can automatically change between these two configurations as required.

High quality

With Agfa Palladio, you'll be ready for the wide range of jobs that your customers require — and able to meet even the toughest deadlines.

- **Right for your applications**

Agfa Palladio lets you create quality plates that are right for a wide range of applications. It can output plates at a range of resolutions — 1200, 2400, and 3000 dpi — giving you the flexibility to accept the wide variety of jobs that your customers produce. With this range of resolutions, as well as Agfa Palladio's inherent precision imaging, you can meet the needs of even the most demanding customers. Plus, Agfa's proven Agfa Balanced Screening technology brings reliable, accurate screening to every job.

- **Precise plate placement**

Quality imaging requires precise control over plates throughout the platemaking process. Agfa Palladio features a special plate placement system that ensures that every plate is in the correct position on the table right from the start. A vacuum securing system prevents subsequent movement. Agfa Palladio's flatbed design and accurate plate placement system combine to offer the precise imaging required for your most demanding jobs.

- **Smooth table movement during imaging**

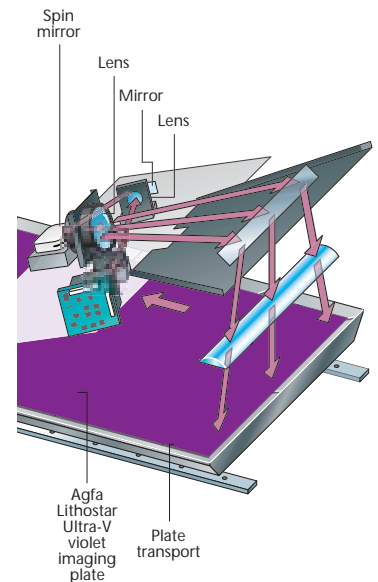
A precisely engineered transport system keeps Agfa Palladio's imaging table moving smoothly across the imaging area. Since the table moves only in one plane, its motion is extremely stable and regular. This motion ensures that the laser achieves extremely accurate imaging, providing high repeatability even at high resolutions.

- **A precision optical system**

Agfa Palladio's specially designed optical system allows uniform dot shape and placement across the imaged media. Thanks to Agfa Palladio's flatbed design, the optical system stays in one position, locked into place throughout the imaging process. The violet laser is focused both before and after reflection to ensure a consistent beam shape. And the 6-sided polygon mirror keeps imaging accurate at all resolutions.



In an era when you need to achieve maximum productivity to stay profitable, Agfa Palladio comes through with a wide range of productivity-enhancing features. For example, a high-speed flatbed transport system moves plates quickly and accurately throughout the exposure process — ensuring maximum efficiency.



Agfa Palladio features a reliable optical system that ensures the accuracy of every plate you output. A state-of-the-art violet laser brings you the convenience and speed of violet-laser imaging.

Agfa Palladio product specifications

	Specification
Laser:	Violet laser (410 nm)
Optics:	6-facet polygon mirror
Plate size:	280 x 450 mm to 635 x 754 mm (11 x 17.72" to 25 x 29.68")
Plate thickness:	0.15 to 0.3 mm (.006 to .012")
Imaging size:	Up to 550 x 745 mm (21.65 x 29.33")
Output resolutions:	1200, 2400, 3000 dpi
Plate:	Lithostar Ultra-V (litho-sensitive aluminum plate)
Imaging speed:	<ul style="list-style-type: none"> 7.4 mm/sec at 1200 dpi 7.4 mm/sec at 2400 dpi 4.8 mm/sec at 3000 dpi
Productivity:	<ul style="list-style-type: none"> 20 plates/hour at 1200 dpi 20 plates/hour at 2400 dpi 15 plates/hour at 3000 dpi
Plate loading:	<ul style="list-style-type: none"> Automatic loading (with interleaf paper removal) Manual loading
Cassette capacity:	50 plates
Interface:	16-bit SCSI-2
Options:	<ul style="list-style-type: none"> Extra supply cassette Punch units
Weight:	600 kg (approximate) (1323 lbs)
Power requirements:	Single phase 200 – 240V, 0.7 kW
Environment:	23°C (73°F), ±2°C, 50 – 70% relative humidity

Turn to Agfa for complete computer-to-plate solutions

Agfa Palladio is a strategic business solution that makes real sense for small to medium printers. But when you partner with Agfa, you get more than a platesetter. You benefit from Agfa's leadership in computer-to-plate systems, digital plates, digital workflow, digital proofing, screening technologies, and much more. Plus, you get the unequalled service and support of the Agfa Professional Support team, which does much more than keep your platesetter up and running all the time. Agfa Professional Support brings you a wide range of services and solutions aimed at maximizing your success with Agfa Palladio — from the remote diagnostics of Odyssey to the wide-ranging e-learning opportunities available via the Agfa Academy.

Agfa is the world's fastest-growing computer-to-plate solutions provider — and a single source for everything you need to succeed with computer-to-plate imaging. For more information about Agfa Palladio and our other computer-to-plate solutions, contact your local Agfa representative, or go to www.agfa.com.

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