Fast imaging in 8-up formats

:Galileo VE, VS, & VXT

High-performance visible-light systems

The :Galileo family of digital plate manufacturing systems offer proven quality, speed and reliability. Printing operations around the world have already chosen :Galileo. With :Galileo violet-laser systems you can add new technical innovations to your operation and increase your productivity.
With the :Galileo violet-imaging family, you can select an 8-up format in a fully automatic or semi-automatic configuration to match the way you prefer to work. No matter which :Galileo system you choose, you get Agfa's smart technology, workflow expertise, and state-of-the-art support.

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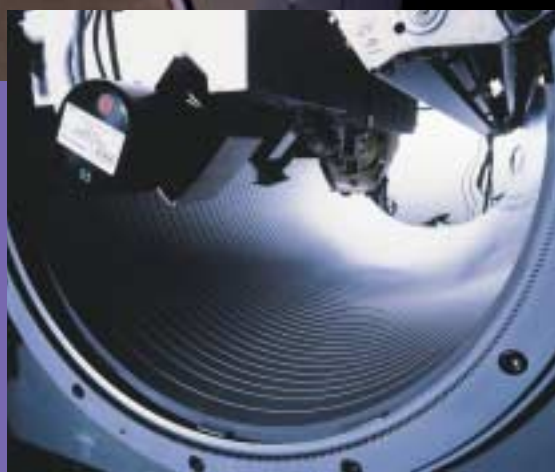
:Galileo VE, VS & VXT



:Galileo VE, VS and VXT

The :Galileo family delivers the powerful benefits of violet imaging – fast imaging speeds and high reliability. The result is an efficient computer-to-plate environment that creates a steady flow of high-quality plates. With :Galileo, Agfa was the first to integrate this state-of-the-art imaging technology into a complete computer-to-plate solution that keeps productivity high throughout your operation.

Violet laser enables faster imaging

:Galileo utilizes the highly reliable violet laser diode, operating a frequency of 410nm. This shorter wavelength enables faster imaging speeds because it uses a smaller spin mirror. Smaller mirrors equal faster spinning, yielding exceptional imaging speeds. :Galileo VE and VS chart a fast 37,500 rpm, while :Galileo VXT reaches even higher speeds at 55,000 rpm. And :Galileo's proven :IntelliTrackTM slide mechanism provides smooth motion for extremely precise imaging.

The most advanced internal drum design in the world

All :Galileo violet-laser systems are based on Agfa's advanced internal drum design, which we spent more than 1.5 million engineering man-hours perfecting during the last decade. With this field-proven design at :Galileo's core, you can be assured of the ultimate in precision — and excellent results every plate, every shift, year after year. :Galileo's unique, heavyweight drum weighs more than 1,500 lb. (681 kg) for maximum stability even in busy production environments. The drum's generous format — up to 44.5 x 32.29" (1130 x 820 mm) enables fully-imposed 8-up plate production. For lock-tight plate hold-down throughout the imaging process, we combine our patented vacuum technology with a new drum surface of variable-depth grooves.

Designed for high reliability

The violet laser diode used in :Galileo is an extremely reliable, long-life laser source similar to lasers used in today's advanced electronic components, such as the Blu-Ray new high-capacity optical disc. Agfa partnered with leaders in this field to leverage this reliable technology for the graphic arts.

The violet laser is small, simple, and modular, enabling quick replacement if necessary. The violet laser diode is directly modulated, enabling the system to turn it on and off more quickly. And since it uses less power, the laser generates less heat and can be cooled by air, without any supplementary cooling system.
The result of Agfa's simple, elegant design is a system that provides reliable, accurate imaging — all the time. Plus, we performed comprehensive quality and reliability testing on the violet laser and overall imaging system, ensuring excellent performance and reliability.

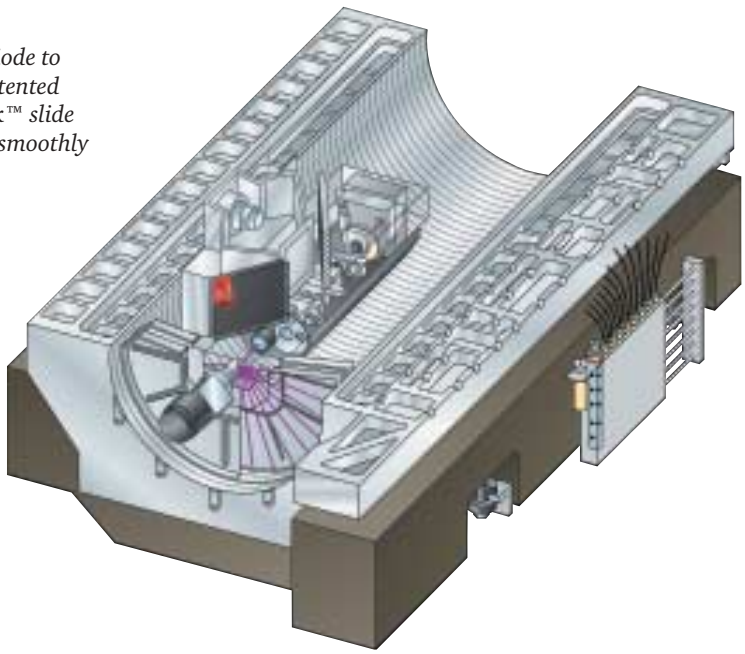
The convenience of violet laser imaging

:Galileo violet-laser systems let you handle plates in yellow room lighting or in daylight with the :PlateManager, enabling you to perform platesetting in a more convenient, multi-use room. This approach to imaging lets you integrate platesetting more smoothly into your operation. With :Galileo you get a more simple approach to computer-to-plate, one that saves time and makes life easier for your prepress operators.

Accurate plate placement

:Galileo features a patented 3-point registration system that automatically locates plates for accurate plate-to-plate image registration. Our innovative solution allows you to adjust the registration stop pins to match your current (and future) notching and bending systems. Advanced edge detection technology uses an electronic sensor to precisely locatethe outer edge of the plate throughout the process — resulting in superior consistency and image accuracy.

:Galileo uses an efficient violet laser diode to image plates held securely by Agfa's patented internal drum design. Our :IntelliTrack™ slide mechanism moves the imaging system smoothly across the entire length of the drum.



:Galileo PlateManager

Loading the :Galileo PlateManager is a very simple and easy task.

Choose the level of automation you need

The fully automated :Galileo plate production system includes a :Galileo violet-laser platesetter, :PlateManager, and an integrated on-line processor. This configuration operates in any daylight environment.

With the semi-automatic solution, the :Galileo platesetter and an integrated on-line processor keep the plates flowing smoothly to your press. It's an ideal solution for operations that have lower plate throughput demands. This configuration operates in a user-friendly yellow safelight environment.

Efficient plate management

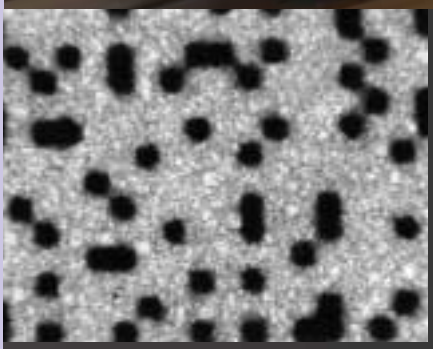
:Galileo PlateManager — part of the fully automatic :Galileo configuration — is designed specifically to simplify the time-consuming process of handling plates and preparing them for imaging. Automating this traditionally manual task also reduces the potential for damaging the plates. Plus, :Galileo automatically removes slipsheets outside the system to eliminate dust. With :PlateManager, you can choose up to four bins, enabling up to 400 plates of four different sizes or thicknesses online and ready to image.

High-quality screening

High-speed stochastic screening

:Galileo users can choose from :Agfa Balanced Screening, :CristalRaster and the newest :Sublima XM screening — world-class screening solutions that provide exceptional resolution and accuracy. With :CristalRaster, :Galileo fulfills the true promise of stochastic screening by directly imaging to the plate, without interim steps that compromise quality.

:Galileo provides consistently high-quality screening over the full plate, and even allows users to mix screening technologies on a single signature. :Galileo's predictable, spot geometry enables the best possible results with stochastic screening in a platesetting environment. Or with :Sublima XM screening you get contone like reproduction at low resolutions.

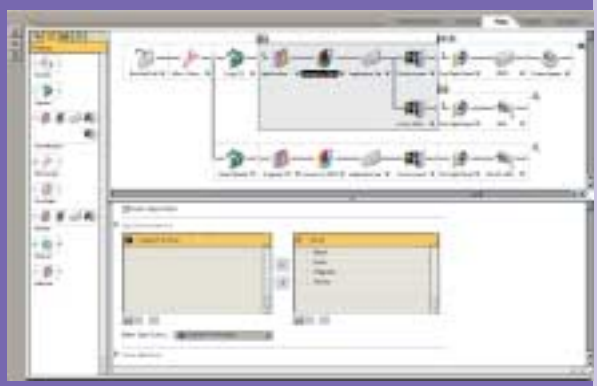


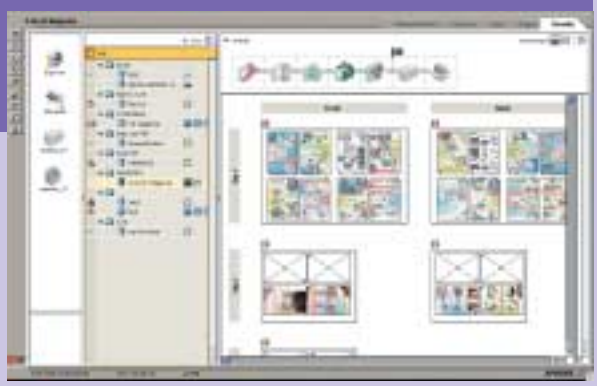
:ApogeeX streamlines your workflow

ApogeeX – Agfa's complete, integrated digital workflow solution helps you redefine and streamline your prepress workflow. It uses the latest workflow technologies and standards – including PDF and the emerging Job Definition Format (JDF) – to enable your business to succeed. :Apogeex maximizes the efficiency of your :Galileo system and all your other output devices by managing your all-digital workflow.

:ApogeeX streamlines your workflow

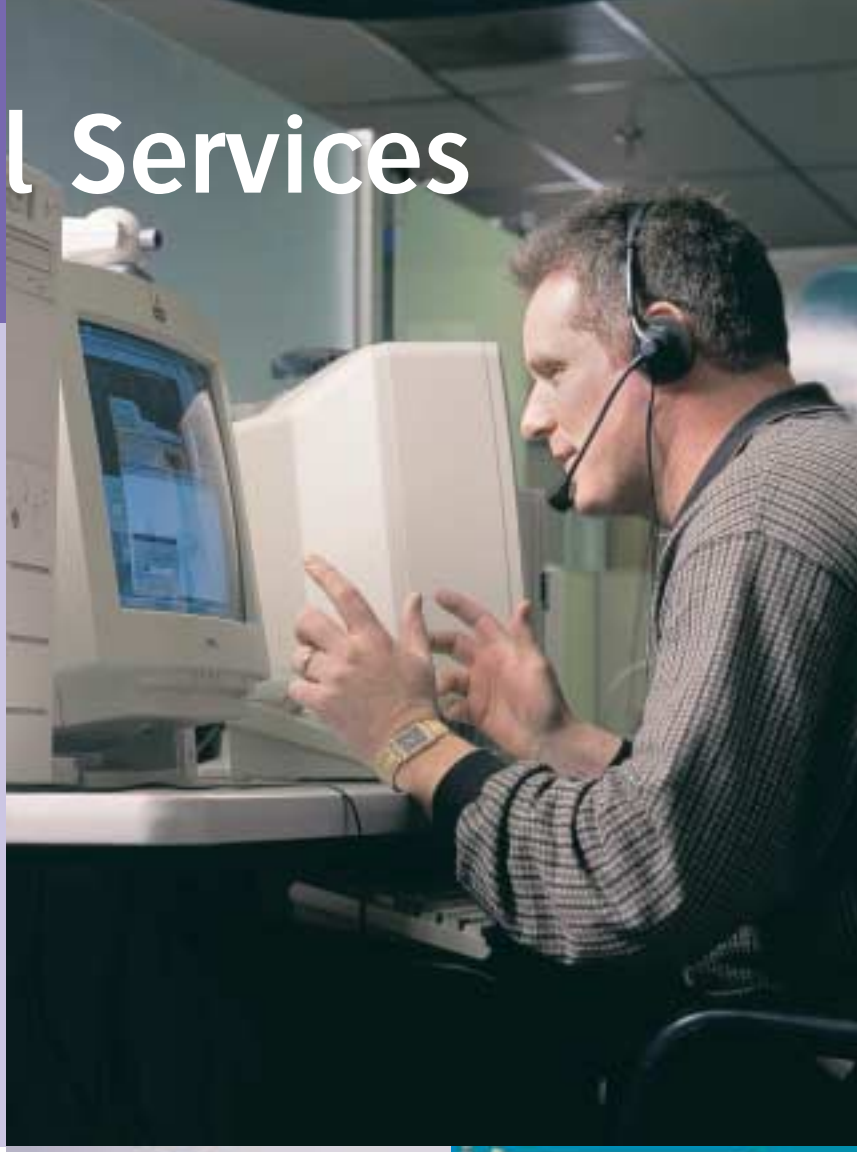
Computer-to-plate is more a process than a product. :ApogeeX, our PDF-based workflow system makes :Galileo a highly efficient component in your all-digital workflow. While other vendors are introducing initial solutions, Agfa continues to secure its reputation as the world's PDF workflow leader by refining and extending the capabilities of :ApogeeX workflow management software.





:ApogeeX enables you to create the most efficient, well-managed, all-digital workflow possible. Its open architecture ensures smooth integration with your existing design, prepress, printing and finishing hardware and software. With :ApogeeX you can build an efficient digital workflow that matches your specific needs and applications today, and that grows with your organisation in the future.

Agfa's Global Services



:Odyssey brings service technology into the 21st century

We combine our field-proven expertise and global reach with the most advanced service technology in the world. :Odyssey — our industry-leading remote diagnostic solution — allows our service technicians to perform a full range of diagnostics, upgrades, and other functions via a telecommunications link with you and your network. :Odyssey supports full-duplex audio and video transmission capabilities, using a portable video camera to provide visual troubleshooting capability. The result? Fast resolution of any issues that may arise with your :Galileo system — or any other aspect of your prepress operation. Only :Odyssey gives you the confidence that comes from constant access to expert service and support.

Agfa provides world-class support

The simple, proven design of the :Galileo family ensures a high degree of reliability from the start. But Agfa also offers the responsive support and expert service personnel necessary to maximize uptime. Every :Galileo system is backed by :Agfa Professional Support, our full line of service and support solutions — providing systems integration, workflow optimization, ongoing service, training, and much more. We bring you the largest service and support organization in the graphic arts industry — 2,000 trained and qualified technicians and consultants located around the world.

:Galileo VE, VS, & VXT

Galileo Violet product specifications

	Galileo VE	Galileo VS	Galileo VXT
Imaging system	Violet laser diode (410 nm)	Violet laser diode (410 nm)	Violet laser diode (410 nm)
Spin motor	37,500 rpm	37,500 rpm	55,000 rpm
Minimum plate size	17.72 x 14.5” (450 x 368 mm)	17.72 x 14.5” (450 x 368 mm)	17.72 x 14.5” (450 x 368 mm)
Maximum plate size	44.5 x 32.29” (1130 x 820 mm)	44.5 x 32.29” (1130 x 820 mm)	44.5 x 32.29” (1130 x 820 mm)
Thicknesses supported	0.006 - 0.012” (0.152 mm - 0.305 mm)	0.006 - 0.012” (0.152 mm - 0.305 mm)	0.006 - 0.012” (0.152 mm - 0.305 mm)
Plates supported (metal)	:Lithostar Ultra Lap-V, N91v and other 410 nm plates	:Lithostar Ultra Lap-V, N91v and other 410 nm plates	:Lithostar Ultra Lap-V, N91v and other 410 nm plates
Fully automated plate handling	• Multi-stage pipeline for top performance • On-line plate processing • Multiple plate supply capability via :Galileo PlateManager • System provided with 1, 2, 3, or 4 plate bins, upgradeable to 4 in the field • Three different sized cassettes • Up to 400 plates on-line	• Multi-stage pipeline for top performance • On-line plate processing • Multiple plate supply capability via :Galileo PlateManager • System provided with 1, 2, 3, or 4 plate bins, upgradeable to 4 in the field • Three different sized cassettes • Up to 400 plates on-line	• Multi-stage pipeline for top performance • On-line plate processing • Multiple plate supply capability via :Galileo PlateManager • System provided with 1, 2, 3, or 4 plate bins, upgradeable to 4 in the field • Three different sized cassettes • Up to 400 plates on-line
Semi-automated plate handling	• Multi-stage pipeline for top performance • On-line plate processing • Manual plate input	• Multi-stage pipeline for top performance • On-line plate processing • Manual plate input	• Multi-stage pipeline for top performance • On-line plate processing • Manual plate input
Fully automated plate loading	Daylight-loading	Daylight-loading	Daylight-loading
Semi-automated plate loading	Yellow safelight-loading	Yellow safelight-loading	Yellow safelight-loading
Register system	• Accurate, adjustable 3-point registration system • Patented adjustable pin positioning • 2 electromechanical stop pins for gripper edge • 1 electronic sensor for edge detection	• Accurate, adjustable 3-point registration system • Patented adjustable pin positioning • 2 electromechanical stop pins for gripper edge • 1 electronic sensor for edge detection	• Accurate, adjustable 3-point registration system • Patented adjustable pin positioning • 2 electromechanical stop pins for gripper edge • 1 electronic sensor for edge detection
Screening technologies supported Depending on plate type	• :Sublima • :CristalRaster (21μ and above) • :Agfa Balanced Screening • Adobe Accurate Screens	• :Sublima • :CristalRaster (21μ and above) • :Agfa Balanced Screening • Adobe Accurate Screens	• :Sublima • :CristalRaster (21μ and above) • :Agfa Balanced Screening • Adobe Accurate Screens
Throughput specs *(plates per hour)* **1200 dpi**	16	25	30
1800 dpi	14	20	25
2400 dpi	12	17	22
	1030 x 820 mm plate (40.5 x 31.5”)	1030 x 820 mm plate (40.5 x 31.5”)	1030 x 820 mm plate (40.5 x 31.5”)
Dimensions (whd)			
(incl. :PlateManager)	55"x74"x82" (140x188x449 cm)	55"x74"x82" (140x188x449 cm)	55"x74"x82" (140x188x449 cm)
(excl. :PlateManager)	53"x53"x95" (135x135x241 cm)	53"x53"x95" (135x135x241 cm)	53"x53"x95" (135x135x241 cm)
Weight			
(incl. :PlateManager)	5500 lbs (2410 kg)	5500 lbs (2410 kg)	5500 lbs (2410 kg)
(excl. :PlateManager)	3300 lbs (1500 kg)	3300 lbs (1500 kg)	3300 lbs (1500 kg)

The smart choice for computer-to-plate solutions

Only Agfa offers the full range of visible-light and thermal platesetters, RIPs, plates, processors, screening technologies, and other prepress systems and consumables necessary for your success. When you choose Agfa, you eliminate fingerpointing among multiple vendors.

With Agfa, one company can take responsibility for the complete workflow and provide convenient upgrade paths when you need to expand. For complete, high-quality platesetting solutions that give you a choice, look to Agfa — the world leader in computer-to-plate technology and expertise.

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