

## The New Mileca™ M4 Digital Printer

### The next generation in tried-and-true digital printing technology from Gretag.

The new Gretag Mileca M4 Digital Printer combines industry-leading speed, outstanding print quality, productivity, reliability, and compatibility, with Gretag know-how and expertise in the Portrait/Social lab market to produce the most effective line of digital printers available today.

With the new Mileca M4 Digital Printer, you can easily integrate other photo applications to create unique and sophisticated digital imaging solutions for your business. The Mileca M4 is the ideal output device to quickly and easily produce a wide variety of products including Wedding Portraiture, Senior Portraits and Composites, Youth and Team Sports, Package Prints, Internet Imaging Services, Business Cards, Greeting Cards, and Invitations.

### Mileca M4

The new Mileca M4 Digital Printer features a new Optical Marking System, a more powerful computer with more than 4 GHz of processing power, and a new flat-panel CRT display screen for increased reliability, efficiency, and productivity in lab operations.



- **New Optical Marking System**

The Mileca M4 Digital Printer incorporates an Optical Marking System that eliminates maintenance associated with traditional "mark & punch" systems commonly found in the industry. This change improves overall reliability in the printing process. Utilizing the printer's existing printer software, it automatically marks where each print in the run is to be cut. Optical Marking is also available as an upgrade to users of existing Mileca HSP Digital Printers.

- **Increased Processing Power**

To further improve productivity in print output, the new Mileca M4 Digital Printer is outfitted with a more powerful computer having more than 4 GHz of processing power. This feature results in

increased efficiencies in the overall printing operation within the lab.

- **New Flat Panel Screen**

The new flat screen CRT display conveniently fits on the printer cabinet making use more convenient and accessible.

### Outstanding Print Quality

Gretag's Mileca M4 Digital Printer produces high quality prints up to 12-inches wide and in virtually unlimited length, with up to 500 ppi of continuous-tone resolution. The Fiber-Optic technology employed uses standard RA-4 photographic paper guaranteeing consistent, crisp prints.

### Uninterrupted Production

High-speed continuous roll-to-roll operation allows you to focus on what really matters in your lab...uninterrupted production of quality prints.

### System Compatibility

The Mileca M4 Digital Printer is designed to integrate seamlessly with traditional roll-to-roll printing equipment. Finished output can be handled alongside work from optical printers making the transition to digital output simple.

To facilitate this compatibility, the optical cut-mark sensor systems sold through Gretag are compatible with both punch-hole and optical front-mark cutting systems. An optional punching system is available for the Mileca M4.

### Network Compatibility

The Mileca M4 Digital Printer offers direct Ethernet connection, up to 1000baseTX, directly to your computer network through the included CREW High-Speed Task Server Computer. File reading, image rendering/resizing, color management, and exposure occur simultaneously for multiple batches of images. The result is maximized productivity of your system.

### Open-Architecture Software Compatibility

The Mileca M4 is driven by Gretag's CREW Software System - a set of flexible workflow applications that are compatible with almost any front-end digital production system. The CREW System provides several different interfaces that can be used to automatically print from systems like Kodak DP2™, Timestone Software™, Express Digital™, Graphx™, Imageware Systems™, Silverlab Software™, DPI OZE™, and others.

## Technical Specifications

Mileca M4 Specifications	
<b>Exposure System:</b>	Fiber-Optic Imaging Engine
<b>Maximum Print Speed:</b>	(Actual sustained speed for full 575-foot roll, SCR optical cut mark enabled, repeat printing) <ul style="list-style-type: none"> <li>▪ 1150 10" x 8" prints/hr. (250ppi, 2.6"/sec)</li> <li>▪ 722 12" x 8" prints/hr. (300ppi, 1.6"/sec)</li> <li>▪ 187 12" x 8" prints/hr. (500ppi, 0.6"/sec)</li> </ul>
<b>Media:</b>	Any standard RA-4 color negative paper; digital-type media not required except for initial setup.
<b>Paper Width:</b>	3-1/2, 4, 5, 6, 7, 8, 8 1/2, 10, 11, 12, 210mm, 297mm, 305mm
<b>Paper Finish:</b>	Glossy, matte, luster; all standard photographic surface types
<b>Roll Length:</b>	Up to 575-feet
<b>Power Source:</b>	90-132 VAC/180-264 VAC, 47-63Hz
<b>Power Consumption:</b>	500W maximum
<b>Resolution:</b>	<p><b>Spatial Resolution (continuous-tone)</b></p> <ul style="list-style-type: none"> <li>▪ 250 ppi standard, up to 10.1" wide imaging area</li> <li>▪ 300 ppi standard, up to 12.1" wide imaging area</li> <li>▪ 500 ppi optional, up to 12.1" wide imaging area</li> </ul> <p><b>Color Resolution (continuous-tone)</b></p> <ul style="list-style-type: none"> <li>▪ 24-bit input/ 48-bit output per pixel, 16.8 million colors addressable</li> <li>▪ 250 ppi mode equivalent to 3000-4000dpi</li> <li>▪ 300 ppi mode equivalent to 3600-4800dpi</li> <li>▪ 500 ppi mode equivalent to 6000-8000dpi</li> </ul>
<b>Data Interface:</b>	<ul style="list-style-type: none"> <li>▪ Printer - 10/100baseTX Ethernet</li> <li>▪ CREW Task Server Computer - 10/100baseTX Ethernet crossover connection to printer, 10/100/1000 baseTX Ethernet connection to client/image network.</li> </ul>
<b>Weight:</b>	420 lbs. (191 kg)
<b>Size:</b>	<ul style="list-style-type: none"> <li>▪ 49W x 32D x 53 1/2H inches (1245 x 813 x 1060mm) - <b>without canisters</b></li> <li>▪ 58W x 32D x 53 1/2H inches (1473 x 813 x 1359mm) - <b>with canisters</b></li> </ul>
<b>Warranty:</b>	<ul style="list-style-type: none"> <li>▪ Print Engine - <b>2 years</b></li> <li>▪ Parts (other than print engine) - 1 year</li> <li>▪ Labor - 6 months</li> </ul>

## Accessories

Mileca M4 Accessories	
<b>Included:</b>	<ul style="list-style-type: none"> <li>▪ 2 variable-width paper canisters (interchangeable supply/take-up)</li> <li>▪ Optical front-marking system for print cutting/sorting</li> <li>▪ CREW High-Speed Task Server computer system <ul style="list-style-type: none"> <li>- Dual 2.0GHz Intel Pentium4 Xeon processors, or faster</li> <li>- 1GB (1024MB) RDRAM ECC memory</li> <li>- Four 10,000rpm 18GB Ultra-160 SCSI hard drives, or larger</li> <li>- Windows 2000 Professional operating system</li> <li>- Dual Ethernet adapters (10/100baseTX to printer, 10/100/1000baseTX to image network)</li> <li>- 17-inch CRT Display</li> <li>- Crossover cable for connection to printer</li> </ul> </li> <li>▪ CREW Task Server Software</li> <li>▪ CREW Hotfolder Client Software</li> <li>▪ CREW Task Generator Software</li> </ul>
<b>Optional:</b>	<ul style="list-style-type: none"> <li>▪ Additional variable-width paper canisters</li> <li>▪ Optical cut-mark sensor upgrade kits for most major print-cutting systems</li> <li>▪ Optical cut-mark enabled St. Charles Research roll print cutter</li> <li>▪ "Mark &amp; Punch" system for traditional hole-punch cutting (factory order only)</li> <li>▪ 500ppi resolution upgrade (factory order only)</li> <li>▪ X-Rite Densitometer for paper calibration (891/892)</li> <li>▪ COB (Calibration-On-Board) System for on-site printer characterization and maintenance</li> <li>▪ Additional software packages <ul style="list-style-type: none"> <li>- Express Digital Wedding &amp; Portrait, Sports &amp; Event</li> <li>- Timestone NeoPack Professional, NeoPack+, NeoGroup, NeoComposite, CREW Printer Driver</li> <li>- Graphx RasterPlus, PackagePlus</li> <li>- Additional CREW modules (Hotfolder Client, Task Generator, Plug-In for Adobe Photoshop)</li> </ul> </li> </ul>

Specifications subject to change without notice.



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