The Magnus 400 platform is the new generation in Creo 4-page CTP devices. With a true 6-up drum size, the Magnus 400 platesetter allows you to image an extensive range of plate sizes, presenting new business opportunities. Exceptional imaging speeds, at up to 21 plates per hour, enable you to process jobs quickly with short lead times. The Magnus 400 platesetter also offers high-quality screening of up to 250 lpi and Staccato® 25 micron screening for superior imaging. Additionally, variable continuous resolution enables you to match the resolution to the job's requirements. Magnus 400 is characterized by advanced modularity and automation: you can choose from various loading, imaging, and speed options according to your printing needs. The semi-automatic device includes ContinuousLoad for faster production, and has a very small footprint. It is easily upgradeable to full automation with a single or multi-cassette unit for increased productivity and reduced labor costs.

Magnus 400 Quantum: SQUAREspot imaging and ultra-precise registration
The Magnus 400 Quantum platesetter is the top-of-the-line 4-page CTP device. With the full automation option, you'll have a powerful and highly productive platesetter. The Magnus 400 Quantum delivers impressive throughput at up to 28 plates per hour and features SQUAREspot® imaging technology. SQUAREspot combined with Staccato 20 or 10 micron screening allows you to produce photorealistic prints to differentiate your business.

Reduce costs and environmental damage with chemistry-free and processless plates
The Magnus 400 family supports conventional thermal plates, as well as chemistry-free and processless plates. These alternative plates significantly reduce costs by eliminating expensive chemicals and processors, remove time-consuming steps and conserve valuable floor space. They also help reduce the negative impact of plate processing on the environment.
Magnus 400/Magnus 400 Quantum
superior speed and automation in 4-page CTP

Magnus 400/Magnus 400 Quantum Product Specifications

<table>
<thead>
<tr>
<th>General Specifications</th>
<th>Magnus 400</th>
<th>Magnus 400 Quantum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Technology</td>
<td>830 nm thermal imaging platesetter, semi or fully automatic, external drum</td>
<td></td>
</tr>
</tbody>
</table>
| Load/unload systems    | • ContinuousLoad: Semi-automated; as one plate is imaged, another is placed on standby for automatic loading as soon as the drum unloads.  
                           • Single-cassette option: Fully automated; unit holds up to 50 plates with slip sheets (plates of same size and thickness). Functions are identical to multi-cassette.  
                           • Multi-cassette option: Fully automated; unit holds up to 150 plates in three cassettes, each cassette containing at least 50 plates of the same size and thickness. The required cassette is automatically selected according to the job definition. The MCU automatically loads and unloads plates, and removes slip sheets. Slip sheets can be removed from the storage bin while the platesetter is running. Empty cassettes can be reloaded while the platesetter is running. |
| Punch option           | Inline punch (available with loading cassette) accurately punches plates for most commercial presses. Can be configured with up to 6 punches for single, double, and triple holes, ensuring precise image-to-punch and plate-to-plate registration. More than 300 punch heads are available. |
| Performance            | Throughput at 2400 dpi, for plate size 724 x 680 mm (28.5 x 26.8 in.)  
                           | S speed: 16 plates per hr  
                           | F speed: 21 plates per hr  
                           | V speed: 28 plates per hr |
| Repeatability          | ±5 microns (over two consecutive exposures on the same plate) |
| Accuracy               | ±20 microns (at a resolution of 100 dpmm/2540 dpi) |
| Workflow connectivity  | Creo Prinergy® Evo  
                           | Creo PS/M  
                           | Creo Brisque®  
                           | Creo Prinergy  
                           | Creo Evo Workstation  
                           | Connection to third-party workflows (via 1-bit TIFF workflow)  
                           | Creo Prinergy Evo  
                           | Creo Brisque  
                           | Creo Prinergy  
                           | Creo Evo Workstation  
                           | Connection to third-party workflows (via 1-bit TIFF workflow) |
| Imaging Specifications | Resolution: Continuous variable 80 to 120 dpmm/2024 to 3048 dpi  
                           | 47.2 and 94.4 dpmm (1200 and 2400 dpi) or 50 and 100 dpmm (1270 and 2540 dpi) |
|                        | Screening: 250 lpi max linescreen  
                           | Optional: Staccato 25 series  
                           | 450 lpi max linescreen  
                           | Staccato 20 series  
                           | Optional: Staccato 10 series |
|                        | Image area around the drum circumference: 664 mm (26.14 in. max.)  
                           | Image area along the drum axis: 750 mm (29.5 in. max.) |

1. Imaging speed and throughput is dependent on media sensitivity. All values are for media sensitivity of 130mj/cm². For PTP plates and other media-specific imaging times, please see your Creo representative.
2. Tested with Creo workflow and with MCU/SCU. For additional information about the test conditions please consult your Creo representative.
3. Specification for aluminum media with fixed thickness of 0.3 mm (12 mil) at 25°C (77°F)
4. Additional resolutions are available. Please consult your Creo representative.
## Magnus 400/Magnus 400 Quantum Product Specifications

<table>
<thead>
<tr>
<th>Media Specifications</th>
<th>Magnus 400</th>
<th>Magnus 400 Quantum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Media type</td>
<td>Thermal IR-sensitive aluminum plate, 830 nm</td>
<td></td>
</tr>
<tr>
<td>Media size: around drum</td>
<td>680 mm/26.77 in. max, 311 mm/12.25 in. min</td>
<td></td>
</tr>
<tr>
<td>Media size: along drum</td>
<td>750 mm/29.5 in. max, 228 mm/9.0 in. min</td>
<td></td>
</tr>
<tr>
<td>Plate thickness</td>
<td>0.15 to 0.3 mm (6 to 12 mil)</td>
<td></td>
</tr>
</tbody>
</table>

## Physical Specifications

### Operating environment
- **Temperature**: 20 to 30°C (68 to 86°F)
- **Humidity**: 50 to 60% relative humidity (non-condensing)

### Electrical requirements
- **Voltage and current**: 60 Hz system: 208 VAC (±10%) between 2 phases of 120 VAC each
  50 Hz system: 220 VAC (±10%) between phase and neutral
- **Power**: 25 A, 5 kW

### Standards conformance
- cTUVus for North America; CE for European countries

### Safety
- The Magnus 400 device is a class 1 laser product and fully complies with EN 60825-1 and US Federal Regulations 21 CFR 1040.10 and 1040.11 - CDRH
- European EMC Directive 89/336/EC as amended by 92/31/EC and 93/68/EC, EN55022: 1998, class A, EN61000-3-2: 1995, EN55024: 1998, EN61000-4-2, -4-3, -4-4, -4-5, -4-6, -4-8, -4-11, USA Federal Regulations FCC 47CFR part 15 subpart B class A

### Physical Characteristics
- **Size (H x W x D)**: 134 x 176 x 132 cm (53 x 69 x 52 in.)
- **Size (H x W x D) with loading cassette unit**: 134 x 176 x 254 cm (53 x 50 x 100 in.)
- **Weight**: 750 kg (1,650 lb)
- **Single/multiple cassette**: 650 kg (1,430 lb) without plates
Let’s Talk
Contact your Creo representative to find out more about Creo digital prepress solutions, and to select the 4-page CTP device and options that best serve your current and future business needs.

About Kodak
Graphic Communications Group (GCG)
The leading provider of graphic communications solutions worldwide, Kodak's Graphic Communications Group (GCG) offers image capture systems; professional color, copystand, and high-speed document scanning systems; inkjet printing and proofing systems; workflow and color management software; thermal imaging devices for film, plates, and proofs; high-quality proofing media, printing plates, and recording film; on-demand color and black-and-white printing systems; data storage products; and professional services. The GCG unites the rich technological heritage of five companies: Kodak Polychrome Graphics, NexPress, Kodak Versamark, Encad, and Creo. Creo joined the GCG in June 2005, when it became a wholly owned subsidiary of Kodak. With corporate headquarters located in Rochester, N.Y., Kodak (NYSE: EK) had sales of $13.5 billion in 2004 and is committed to a digitally oriented growth strategy.
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