i∙Image™ CTS

Computer-to-Screen Imaging System

M&R

FEATURES

- **Does away with costly film positives**
- **Produces image areas up to 48 x 61 cm (19" x 24") or 48 x 79 cm (19" x 31")**
- **Fully electric design eliminates the need for pressurized air**

M&R's i-Image CTS Computer-to-Screen (CTS) Imaging System uses specially-formulated i-Pak water-based UV-blocking ink and advanced high-resolution inkjet technology to generate opaque images on emulsion-coated screens. CTS images are superior to traditional film positives, delivering greater detail and smoother halftone transitions. And since i-Image CTS generates the image directly to the screen, there's no need for vacuum hold-down during the exposure process. This, coupled with the fact that light doesn't have to penetrate layers of film and glass, can reduce exposure time up to two-thirds. i-Image CTS also eliminates the need for costly film positives, as well as the space and labor required to store and retrieve them. Because the image information is digital, it's easy to store and quick to retrieve. Since i-Image CTS is electrically operated, there's no need to locate it near pneumatic lines.

The i-Image CTS System includes computer, monitor, and M&R's i-Block RIP software. By providing complete control of print parameters, including the ability to print individual channels (1-8) or full composites, i-Block RIP ensures high-quality images at production-level speed. i-Block provides full image scaling and positioning, has presets for common applications, and can be user-customized for specific art types and various mesh counts. Two i-Image CTS models are available. i-Image CTS 36 accepts most static and retensionable screen frames in sizes up to 66 x 91 cm (26" x 36") and is capable of producing image areas up to 48 x 61 cm (19" x 24"). i-Image CTS 43 accepts most static and retensionable screen frames in sizes up to 66 x 109 cm (26" x 43") and is capable of producing image areas up to 48 x 79 cm (19" x 31"). i-Image CTS employs an adjustable pusher frame that fits the most common screen sizes.

Because it reduces screen-processing steps, minimizes screen handling, and produces greater image accuracy, i-Image CTS is able to deliver fast, accurate, and cost-effective screen imaging. Screens for multi-color jobs are quickly generated in perfect registration. Coupled with the appropriately-sized Tri-Loc pallet, which quickly and accurately registers the screens on the press, the entire process—from screen imaging to the first finished print—is dramatically shortened, with registration time reduced up to 95%. In fact, the combination of i-Image CTS and Tri-Loc results in the fastest, most accurate way to generate and register screens. Ruggedly designed, affordably priced, and backed by the world's largest network of service and support, i-Image CTS is the ideal addition to any screen-printing operation.

SPECIFICATIONS

	i-Image CTS 36	i-Image CTS 43
Electrical Requirements [1]	110 V, 1 ph, 9.5 A, 50/60 Hz, 0.32 kW 230 V 1 ph, 4.5 A, 50/60 Hz, 0.32 kW	110 V, 1 ph, 9.5 A, 50/60 Hz, 0.32 kW 230 V 1 ph, 4.5 A, 50/60 Hz, 0.32 kW
Maximum Frame Profile	5 x 5 cm (2" x 2")	5 x 5 cm (2" x 2")
Maximum Frame Size	66 x 91 cm (26" x 36")	66 x 109 cm (26" x 43")
Maximum Image Area	48 x 61 cm (19" x 24")	48 x 79 cm (19" x 31")
Overall Size (H x W x L)	168 x 160 x 203 cm (66" x 63" x 80")	185 x 160 x 234 cm (73" x 63" x 92")
Shipping Weight	567 kg (1250 lb)	608 kg (1340 lb)

[1] If incoming voltage differs from the voltage(s) listed in this brochure, calculate amperage accordingly.
Other electrical configurations are available: Contact The M&R Companies for details.

MIDWEST
Sign & Screen Printing Supply Co.

i·Screen™ CTS

Computer-to-Screen Imaging System

FEATURES

- **Does away with costly film positives**
- **Produces image areas up to 64 x 93 cm (25" x 36.5")**
- **Vertically-oriented design saves floor space**

M&R's i-Screen CTS Computer-to-Screen (CTS) Imaging System uses specially-formulated i-Pak water-based UV-blocking ink and advanced high-resolution inkjet technology to generate opaque images on emulsion-coated screens. CTS images are superior to traditional film positives, delivering greater detail and smoother halftone transitions. And since i-Screen CTS generates the image directly to the screen, there's no need for vacuum hold-down during the exposure process. This, coupled with the fact that light doesn't have to penetrate layers of film and glass, can reduce exposure time up to two-thirds. i-Screen CTS also eliminates the need for costly film positives, as well as the space and labor required to store and retrieve them. Because the image information is digital, it's easy to store and quick to retrieve.

The i-Screen CTS System includes computer, monitor, and M&R's i-Block RIP software. By providing complete control of print parameters, including the ability to print individual channels (1-8) or full composites, i-Block RIP ensures high-quality images at production-level speed. i-Block provides full image scaling and positioning, has presets for common applications, and can be user-customized for specific art types and various mesh counts. i-Screen CTS accepts most static and retensionable screen frames in sizes up to 79 x 109 cm (31" x 43") and is capable of producing image areas up to 64 x 93 cm (25" x 36.5"). And i-Screen CTS's compact design enables it to fit into most screen rooms.

Because it reduces screen-processing steps, minimizes screen handling, and produces greater image accuracy, i-Screen CTS is able to deliver fast, accurate, and cost-effective screen imaging. Screens for multi-color jobs are quickly generated in perfect registration. Coupled with the appropriately-sized Tri-Loc pallet, which quickly and accurately registers the screens on the press, the entire process—from screen imaging to the first finished print—is dramatically shortened, with registration time reduced up to 95%. In fact, the combination of i-Screen CTS and Tri-Loc results in the fastest, most accurate way to generate and register screens. Ruggedly designed, compact in size, affordably priced, and backed by the world's largest network of service and support, i-Screen CTS is the ideal addition to any screen-printing operation.

SPECIFICATIONS

	i-Screen CTS
Air @ 6,2 bar (90 psi)	142 l/min (5 cfm)
Electrical Requirements [1]	208/230 V, 1 ph, 9 A, 50/60 Hz, 2 kW
Maximum Frame Profile	5 x 5 cm (2" x 2")
Maximum Frame Size	79 x 109 cm (31" x 43")
Maximum Image Area	64 x 93 cm (25" x 36.5")
Overall Size (H x W x D)	203 x 213 x 64 cm (80" x 84" x 25")
Shipping Weight	476 kg (1050 lb)

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