



large-format printing

application guide

part 1

technology overview



CATALYST

Howtek Scanmaster 7500 Pro

Technology	Drum Scanner
Max Original Size	18"x24"
Optical/Interpolated dpi	5,000/20,000
Color Modes	CMYK, Greyscale, RGB

Original Types:

35mm
120 film
Film Positives/Negatives
Photos/Reflective

Appropriate usage when:

Ultra-high resolution scanning is needed
Archiving of Artwork
Jumbo Enlargements
Film Originals are supplied
High color fidelity is needed

Oce CS 4052 Large-Format Scanner

Technology	Flatbed CCD Scanner
Max Original Size	50" Width x Any Length
Optical/Interpolated dpi	800/2,400
Color Modes	Greyscale, RGB

Original Types:

Artist Canvas
Presentation Boards
Full Sized Posters
Photos
Blueprints/Renderings

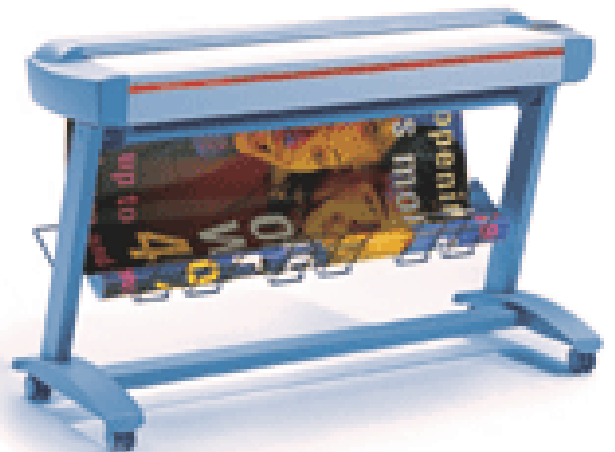
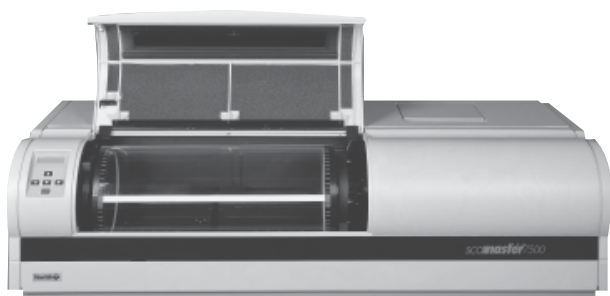
Appropriate usage when:

Oversized Original scanning is needed
Archiving of Artwork
Jumbo Enlargements
Copying Blueprints
Mounted Originals are supplied

1 PrePress

Scan Quality	●	●	●	●	●
Speed	●	●	●	●	○
Original Size	●	●	●	○	○
Turn-around time	●	●	○	○	○
Cost	●	●	●	●	○

Scan Quality	●	●	●	●	○
Speed	●	●	●	●	●
Original Size	●	●	●	●	●
Turn-around time	●	●	●	●	●
Cost	●	●	●	○	○



Gerber Edge FX

Technology	Thermal Resin Transfer
Max Width	11.8"
Max Speed	290 ft ² /hr.
Max dpi	300x600
Color Model	CMYK, Spot, Metallics

Rated Durability:

Outdoor (w/ lamination)	5-7 years
Outdoor	3-5 years
Indoor	Indefinite

Printing Applications

Dimensional Signs
 Booth Headers
 Car & Truck Graphics
 OSHA Approved Signs
 Tradeshow Graphics
 Service Vehicle ID
 Magnetic Signs
 Taxis & Buses
 Reflective Signs
 Boat Lettering
 Lexan®-Based Control Panels using Sequential Numbering
 Directional Signs & Maps
 Emergency Vehicle ID Marking
 Screen Film Positives
 Real Estate Signs
 Floor Graphics
 Variable Data Helmet Graphics
 Bumper Stickers

Matan Sprinter

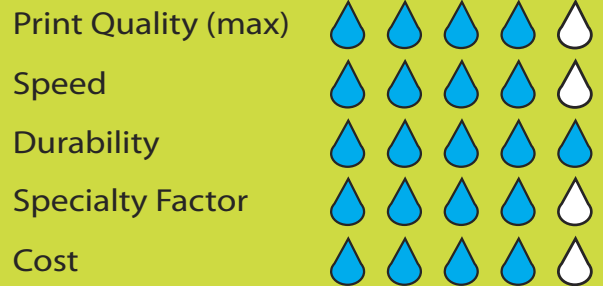
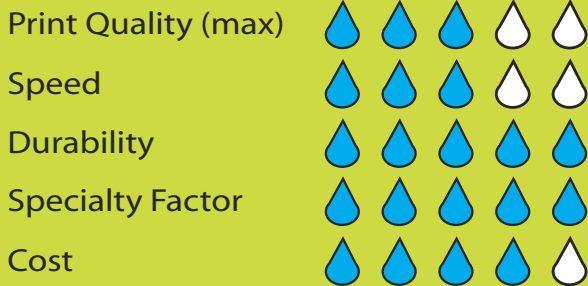
Technology	Thermal Resin Transfer
Max Width	35.5"
Max Speed	584 ft ² /hr.
Max dpi	400x400
Color Model	CMYK, Spot, Metallics

Rated Durability:

Outdoor (w/ lamination)	5-10 years
Outdoor	3-5 years
Indoor	Indefinite

Printing Applications

Dimensional Signs
 Booth Headers
 Car & Truck Graphics
 OSHA Approved Signs
 Tradeshow Graphics
 Service Vehicle ID
 Magnetic Signs
 Taxis & Buses
 Reflective Signs
 Boat Lettering
 Lexan®-Based Control Panels
 Directional Signs & Maps
 Emergency Vehicle ID Marking
 Screen Film Positives
 Real Estate Signs
 Floor Graphics
 Point-of-Purchase Displays
 Glass Decor
 High Volume Orders



¹ Actual print life varies depending on environmental conditions, and exposure to sunlight. Lamination or UV Clearcoating is required to secure longest print life.

Scitex Iris Giclee

Technology	Continuous Inkjet
Max Width	35.5"x47.5"
Max Speed	40 ft ² /hr.
Max dpi	1800x600
Color Model	CMYK Aqueous Archival

Rated Durability:	
Outdoor (w/ lamination)	2-3 years
Outdoor	1 year
Indoor ¹	35+ years

Printing Applications

Authentic "Giclee" Printing
 Fine Art Reproductions
 Photo Enlargements
 Canvas
 Archivable Rag Paper
 Film Positives
 Museum Replicas

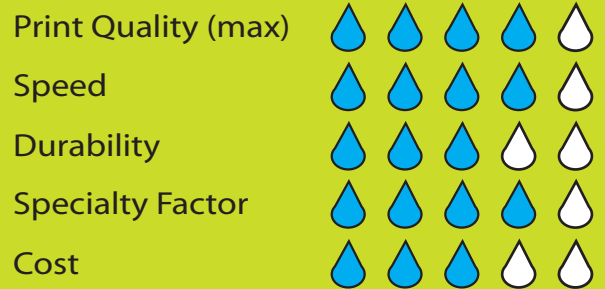
HP DesignJet 5000

Technology	Thermal Inkjet
Max Width	59.5"
Max Speed	350 ft ² /hr.
Max dpi	1200x600
Color Model	CMYKcm Aqueous UV

Rated Durability:	
Outdoor (w/ lamination)	up to 3 years
Outdoor	up to 1 year
Indoor ¹	5+ years

Printing Applications

Booth Headers
 Car & Truck Graphics
 Tradeshow Graphics
 Magnetic Signs
 Taxis & Buses
 Lexan®-Based Control Panels using Sequential Numbering
 Directional Signs & Maps
 Floor Graphics
 Point-of-Purchase Displays
 Banners
 Textiles
 Posters
 Presentation Boards
 Backlit Graphics
 Fine Art Papers & Canvas
 Custom Wall Paper
 Photo Enlargements



Mimaki JV3160SP

Technology	Piezo Inkjet
Max Width	63.0"
Max Speed	420ft ² /hr.
Max dpi	1440x1440
Color Model	CMYKcm Solvent

Rated Durability:	
Outdoor (w/ lamination)	up to 5 years
Outdoor	up to 2 year
Indoor ¹	7+ years

Printing Applications

Booth Headers
 Vehicle Graphic Wraps
 Tradeshow Graphics
 Magnetic Signs
 Taxis & Buses
 Set Decoration/Props
 Directional Signs & Maps
 Floor Graphics
 Point-of-Purchase Displays
 Banners
 Textiles
 Posters
 Presentation Boards
 Backlit Graphics
 Fine Art Papers & Canvas
 Custom Wall Paper
 Perforated Window Film

NUR Salsa Ultima 3200 & 1500

Technology	Piezo Drop-on-Demand
Max Width	130"
Max Speed	600ft ² /hr.
Max dpi	600
Color Model	CMYK 8 color Solvent

Rated Durability:	
Outdoor (w/ lamination)	up to 7 years
Outdoor	up to 3 year
Indoor ¹	10+ years

Printing Applications

Sporting Event Banners
 Vehicle/Fleet Graphic Wraps
 Tradeshow Graphics
 Magnetic Signs
 Taxis & Buses
 Building Murals
 Mesh Banners
 Floor Graphics
 Scenic Backdrops
 Banners
 Textiles
 Posters
 Set Decoration/Props
 Backlit Graphics
 Jumbo Fine Art Canvas
 Custom Wall Paper
 Perforated Window Film
 High Volume Orders



Seal Image 62 Plus Laminator

Technology	Thermal/Pressure
Max Lamination Size	63"
Max Mounting Size	.75"Hx61"Wx length

Services Available:

Thermal/Pressure Laminating
Dry Erase
Mounting
Thermal Barrier
Lexan/Textured Polycarbonate

Gerber Odessey Plotter

Technology	Servo Drag Knife
Max Cutting Width	52"
Max Cutting Speed	50in./sec.

Services Available:

Vinyl Lettering
Contour Cutting
Image Die Cutting
Prototyping

③ Finishing

