

WORKHORSE
P R O D U C T S
Precision Screen Printing Equipment

Workhorse Products has over 30 years of manufacturing experience in the screen printing equipment industry. This impressive history stems from a commitment to quality, value, service and performance. Having thousands of machines in the field, both domestically and internationally, has solidified Workhorse as one of the top manufacturers of screen printing equipment in the world.

Quality and Value are no accident. We have an extensive array of engineering, manufacturing and production resources available. These resources, partnered with our dedicated staff, allow us to produce a product of unequalled quality. These resources also ensure that we provide the most sturdy, well-built equipment on the market with the latest technologies. Our products and accessories are engineered, designed, and built to last. In our vast, state of the art facility, we can make large production runs and stock large quantities of inventory. With these capabilities, we are able to offer our customers value priced products with prompt delivery.

Sales and Service teams here at Workhorse are among the most experienced in the field. They are capable of handling all your needs and understand that helping you build a successful business requires more than just providing high quality equipment. With lifetime technical support and a worldwide dealer network, we are here to help you succeed. Whether you are a new, existing, small, medium or high production business; we have the sales and service teams in place to help.

Performance and Longevity are driving forces that push our business forward. With a foundation of success to build on, we continually look for new opportunities to enhance or improve upon our products. This commitment to product development ensures top quality, performance, and customer satisfaction. Along with ongoing product research, we are able to create new and efficient services and methods to better serve our customers. As we improve current products, develop new products and enhance our customer and dealer services, we are no doubt poised to remain an industry leader.



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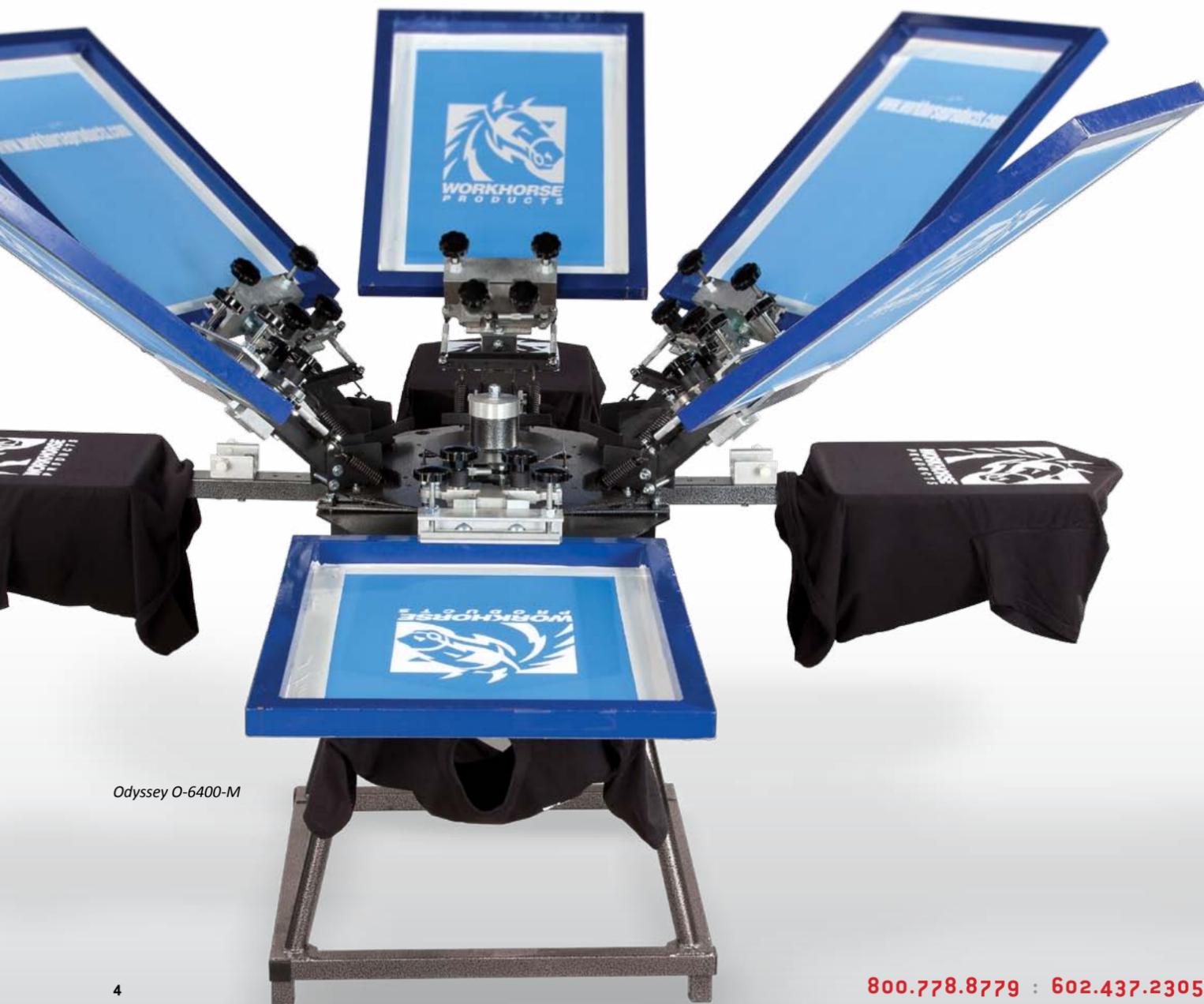
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MANUAL PRESSES

ODYSSEY SERIES

Odyssey manual printers are value priced industrial machines. While this is our "Entry Level" machine, it's unlike any other in its price range. The Odyssey line is ideal for startup operations such as Home Based Businesses, Sporting Good Retailers and Embroidery Companies that want to add a screen printing department. In addition to the rotary load style printers, Odyssey printers are available in economical and specialty table top models as well. With the optional cap, jacket, sign, coozie, sticker, and pocket attachments, this machine is the do it all answer for any small to medium screen printing business.



Odyssey O-6400-M

Odyssey Freestanding Printer Models

O-4400-M [4 colors-4 stations] part 10212
Expandable to 6 colors-6 stations. Max screen size: 32" (81cm)
Dimensions (Dia x Hgt): 98"(249cm) x 34-36"(86-91cm)

O-6400-M [6 colors-4 stations] part 10214
Expandable to 6 colors-6 stations. Max screen size: 23" (58cm)
Dimensions (Dia x Hgt): 98"(249cm) x 34-36"(86-91cm)

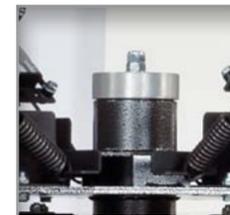
O-6600-0 [6 colors-6 stations] part 10213
Max screen size: 23" (58cm)
Dimensions (Dia x Hgt): 98"(249cm) x 34-36"(86-91cm)

Fine Thread Micro Registration



Easy to use X and Y micro registration knobs with nylon rod ends are included for tighter registration and precise designs.

Large Diameter Center Shaft



The center shaft with tapered bearings allows for a smooth, balanced operation with quality in every spin.

Easy Load Platens



Platen changes are lightening fast with the Workhorse easy load platen system.

Tool Free Off Contact



With over 1 inch of travel, you will always have the perfect off contact distance on any substrate.

Sturdy Tubular Steel Construction



Steel welded construction is designed to provide a solid machine with a lifetime of accuracy.

Odyssey Benchtop Printer Models

The Odyssey bench model printers have a compact tabletop design with an economical price point. This makes them great for start up shops or as a second press to print short run jobs. These presses are light weight and very easy to travel with. Take any of the Odyssey bench model presses to your next event for on-site screen printing.

O-4100B [4 colors-1 station] part 10211

The O-4100B is our most popular table top press. This bench model press gives you 4 color capability at a budget price. This is the least expensive way to get into multiple-color printing. Great for on-site printing at raceways, sporting events, trade shows, concerts, fairs and any other place that people gather.

Max screen size: 32" (81cm)
Dimensions (L x W x H): 52"(132cm) x 33"(84cm) x 10"(25cm)



O-1100B [1 color-1 station] part 10210

This machine is ideal for printing single color jobs on shirts, sleeves, tote bags, name drops, tagless labels, etc. without interrupting your large production machines. Add a cap, jacket or vacuum attachment and convert this machine into a dedicated special purpose printer.

Dimensions (L x W x H): 43"(109cm) x 18"(46cm) x 10"(25cm)



O-GP11 [1 color-1 station] part 10209

Diversify your business by printing coroplast yard signs, heat transfers, bumper stickers, window decals, other signs and more. Simply depress the footswitch and the powerful vacuum pump holds any flat stock securely without the use of spray adhesive.

Dimensions (L x W x H): 43"(109cm) x 20"(51cm) x 10"(25cm)



Manual Printing Accessories

Screen printing is a versatile process, your business should be as well. Our wide variety of attachments allow you to print: infant wear, youth wear, all over prints, jackets, hats, sleeves, shorts and much, much more.

Please call to get the right tool for the job.



MANUAL PRESSES

MACH SERIES

THE PROFESSIONALS CHOICE! This press was designed for the printer who makes his or her living behind a squeegee. Light enough for ease of use day in and day out, but solidly welded to provide a rigid platform for life. The Mach printers are ideal for growing and high volume shops producing sophisticated designs. The large diameter, full length center shaft combined with print station support struts maximize rigidity. The precision machined cast aluminum print heads and center wheel provide the tightest registration. With the optional cap, jacket, sign, coozie, sticker and pocket attachments, this machine is the do it all answer for any shop. Combined with the tool free X, Y, and Z micro registration, this machine is the best of all worlds. Mach printers also come in a variety of sizes to fit your printing needs.

Manual Printing Accessories

Screen printing is a versatile process, your business should be as well. Our wide variety of attachments allow you to print: infant wear, youth wear, all over prints, jackets, hats, sleeves, shorts and much, much more. Please call to get the right tool for the job.

Mach Manual Printer Models

- M-44-M** [4 colors-4 stations] part 10005
Expandable to 6 colors-4 stations. Max screen size: 32" (81cm)
Dimensions (Dia x Hgt): 103"(262cm) x 34-36"(86-91cm)
- M-64-O** [6 colors-4 stations] part 10011
Max screen size: 23" (58cm)
Dimensions (Dia x Hgt): 103"(262cm) x 34-36"(86-91cm)
- M-66-M** [6 colors-6 stations] part 10007
Expandable to 8 colors-6 stations. Max screen size: 26" (66cm)
Dimensions (Dia x Hgt): 111"(282cm) x 34-36"(86-91cm)
- M-86-O** [8 colors-6 stations] part 10010
Max screen size: 21" (53cm)
Dimensions (Dia x Hgt): 111"(282cm) x 34-36"(86-91cm)
- M-88-O** [8 colors-8 stations] part 10009
Max screen size: 26" (66cm)
Dimensions (Dia x Hgt): 130"(330cm) x 34-36"(86-91cm)
- M-108-O** [10 colors-8 stations] part 10012
Max screen size: 23" (58cm)
Dimensions (Dia x Hgt): 130"(330cm) x 34-36"(86-91cm)



Mach M-88-O

Mach All-Heads-Down Manual Printer Models

The Mach All-Heads-Down printers include all of the same features as the standard press with the additional ability to print with All-Heads-Down. All-Heads-Down printing permits multiple operators to print simultaneously. The obvious use would be to put six operators on one machine and produce high volumes of garments. This type of printing works well in companies with extremely low labor costs. This press is also popular in educational institutions that provide hands-on instruction enabling multiple students to print at the same time.

A more common use for All-Heads-Down Printing would be two operators with a flash cure between them, printing a two color job at speeds rivaling a single color print.

Mach Heads-Down Manual Printer Models

- M-44-A** [4 colors-4 stations] part 10004
Max screen size: 32" (81cm)
Dimensions (Dia x Hgt): 96"(244cm) x 34-36"(86-91cm)
- M-66-A** [6 colors-6 stations] part 10006
Max screen size: 26" (66cm)
Dimensions (Dia x Hgt): 105"(267cm) x 34-36"(86-91cm)
- M-88-A** [8 colors-8 stations] part 10008
Max screen size: 26" (66cm)
Dimensions (Dia x Hgt): 130"(330cm) x 34-36"(86-91cm)



Mach W-66-A

Advanced Print Head Design



All print heads are precision machined cast aluminum with tool free, dial-in off contact. Built with large diameter registration knobs that provide super responsive X,Y & Z micro registration and screen angle adjust.

Solid Construction



Welded structural steel construction is the key to a lifetime of tight registration. Our large diameter center shaft with tapered bearings give unmatched stability and accuracy.

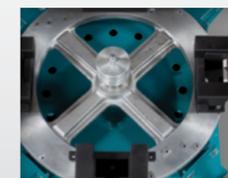
Side Clamp Option



For our customers who prefer a side clamp press, we can accommodate your preference.



Print arm struts ensure that platens remain square and stable while maximizing strength.



The light weight, precision machined, single cast aluminum center wheel provides the tightest registration with smooth quick turns.

AUTOMATIC PRESSES - PNEUMATIC

FREEDOM SERIES

The Freedom is the epitome of simple as it relates to screen printing. It's simple to set up, simple to operate, and simple to maintain. That said, The Freedom does not limit you to simple designs or small jobs. This machine turns any manual press operator into a mass producing printer. Freedom's fast indexing speed, simple to use controls and precise micro registration ensure that setups are as fast and easy as with your manual press. Add our patented FlashBack to the Freedom and Workhorse has re-written the book on affordable high production while keeping it simple. Automating your manual shop gives you freedom from: long hours at the press, aching elbows and wrists, late deliveries, high labor costs, and the list goes on.



Freedom FRD-68
(shown with optional FlashBack Flash Unit on station 2)

800.778.8779 : 602.437.2305

Freedom Automatic Pneumatic Printer

FRD-68 [6 colors-8 stations] part CAA-5000B
 Max print area: 16 x 18" (41 x 46cm). With every other head (Landscape positioning) 30 x 18" (76 x 46cm).
 Dimensions (Dia): 10'5" (3.2m).
 Production capacity: Up to 400-500 (30-40 Doz.) per hour
POWER REQUIREMENTS: Electric: 110V, 50-60Hz, 10 Amps Air: 110psi (7.6bar), 22cfm (623 l/m)

workhorseproducts.com

Front and Rear Micro Registration



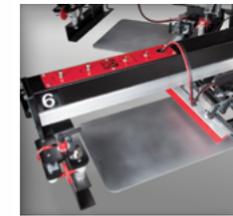
Super-responsive front and rear micro registration comes standard. Precision grid patterns provide excellent control and visibility of screen position.

On-Head Print Controls



Independent print and flood speed with front and rear pneumatic screen clamp switches. Select independent print and flood speeds for ultimate control.

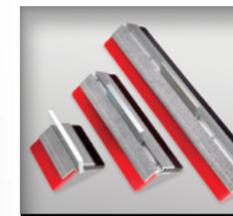
Maintenance Free



Fast and easy print heads with 100% pneumatic controls, mechanical stroke-length adjustments and all access control panel, eliminates the maintenance associated with automatic machines.



Our quick release floating squeegee and flood assembly provide a consistent pressure and ink deposit throughout the image area. The quick release center pin is faster and easier to use when setting up and tearing down jobs.



Our single piece design minimizes cleaning and set-up efforts. The precision "v" squeegee design also helps with uneven platens while providing trouble free operation and fewer moving parts.

FlashBack Compatible



The patented FlashBack is the only system on the market that allows you to print, flash, and cool all at one station. This means a six color printer can truly print six colors. (see page 21)

All-Access Control Panel



The control panel is easy to learn and operate. It can be rotated to any print station. This flexibility gives you complete control of the entire machine from anywhere on the press.



Foot pedal #1 operates the machine in manual mode. This helps first time users with the transition into automation. Foot pedal #2 is used for the missed shirt feature to help minimize waste.

Micro-Processor Control



Sample Print Mode, Missed Shirt Feature, Begin/End Production, Adjustable Print/Flood/Index Delay, Foot-Pedal or Automatic Mode, Single/Double Print Stroke, Registration Head Lamp with Production Counter and Emergency Stop.

Freedom Series Accessories

Screen printing is a versatile process, your business should be as well. Our wide variety of attachments allow you to print: infant wear, youth wear, oversized prints, sleeves, shorts and much, much more.

Please call to get the right tool for the job.



AUTOMATIC PRESSES - PNEUMATIC

JAVELIN PRO SERIES

The Javelin Pro offers durable construction, user-friendly set-up, an advanced controller, and with high index speeds, it is the workhorse of automatic printers. Combined with our patented FlashBack, our presses are the only machines in the industry that can print and flash on all print heads without sacrificing a color. Javelin's print heads and drive systems are smooth and dependable, enabling you to take on even the most demanding jobs! The Javelin Pro is available in 6, 8, and 10 color models.

Touch Screen Control



- ▶ Advanced control system allows the Javelin to run at much higher production rates.
- ▶ Double index allows you to print two jobs simultaneously. This also permits for oversized images printed on every other station.
- ▶ Touch Screen for logical interface with operator.
- ▶ Rapid multiple print strokes with table up.
- ▶ Increased number of strokes. Up to nine per color.
- ▶ Compact control, all timers moved inside screen.
- ▶ Full diagnostic and testing from touch screen control.
- ▶ On the fly timer and stroke changes.
- ▶ Real-Time production and count data.

Javelin Series Accessories

Screen printing is a versatile process, your business should be as well. Our wide variety of attachments allow you to print: infant wear, youth wear, oversized prints, sleeves, shorts and much, much more.

Please call to get the right tool for the job.

FlashBack Compatible



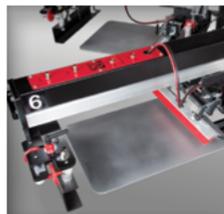
The patented FlashBack is the only system on the market that allows you to print, flash, and cool all at one station. This means a six color printer can truly print six colors. (see page 21)

On-Head Print Controls



Independent print and flood speed with front and rear pneumatic screen clamp switches. Select independent print and flood speeds for ultimate control.

Maintenance Free



Fast and easy print heads with 100% pneumatic controls, mechanical stroke-length adjustments and all access control panel, eliminates the maintenance associated with automatic machines.



Our quick release floating "V" squeegee / flood assembly provides consistent pressure and ink deposits. The "V" squeegees are self-leveling and more forgiving if it's been awhile since you leveled your platens. With quick release center pins, the "V" squeegees are faster and easier to use and tear down, while providing trouble free operations.

Front and Rear Micro Registration



Super-responsive front and rear micro registration comes standard. Precision grid patterns provide excellent control and visibility of screen position.



Javelin Pro JAV-810 (shown with optional Radiant Flash Unit on station 7)

Javelin Automatic Pneumatic Printer Models

JAV-48 [4 colors-8 stations] part CA-0055A

Max print area: 16 x 18" (41 x 46cm).
With every other head (Landscape positioning) 30 x 18" (76 x 46cm).
Dimensions (Dia): 10'5" (3.2m).
Production capacity: Up to 600-700 (50-60 Doz.) per hour
POWER REQUIREMENTS: Electric: 110V, 50-60Hz, 10 Amps Air: 110psi (7.6bar), 22cfm (623 l/m)

JAV-68 [6 colors-8 stations] part CA-5000A

Max print area: 16 x 18" (41 x 46cm).
With every other head (Landscape positioning) 30 x 18" (76 x 46cm).
Dimensions (Dia): 10'5" (3.2m).
Production capacity: Up to 600-700 (50-60 Doz.) per hour
POWER REQUIREMENTS: Electric: 110V, 50-60Hz, 10 Amps Air: 110psi (7.6bar), 22cfm (623 l/m)

JAV-610 [6 colors-10 stations] part CA-0808

Max print area: 16 x 18" (41 x 46cm).
With every other head (Landscape positioning) 30 x 18" (76 x 46cm).
Dimensions (Dia): 13'5" (4m).
Production capacity: Up to 600-700 (50-60 Doz.) per hour
POWER REQUIREMENTS: Electric: 110V, 50-60Hz, 10 Amps Air: 110psi (7.6bar), 22cfm (623 l/m)

JAV-810 [8 colors-10 stations] part CA-5000C

Max print area: 16 x 18" (41 x 46cm).
With every other head (Landscape positioning) 30 x 18" (76 x 46cm).
Dimensions (Dia): 13'5" (4m).
Production capacity: Up to 600-700 (50-60 Doz.) per hour
POWER REQUIREMENTS: Electric: 110V, 50-60Hz, 10 Amps Air: 110psi (7.6bar), 30cfm (850 l/m)

JAV-812 [8 colors-12 stations] part CA-1007A

Max print area: 16 x 18" (41 x 46cm).
With every other head (Landscape positioning) 30 x 18" (76 x 46cm).
Dimensions (Dia): 14'5" (4.4m).
Production capacity: Up to 600-700 (50-60 Doz.) per hour
POWER REQUIREMENTS: Electric: 110V, 50-60Hz, 10 Amps Air: 110psi (7.6bar), 30cfm (850 l/m)

JAV-1012 [10 colors-12 stations] part CA-1009A

Max print area: 16 x 18" (41 x 46cm).
With every other head (Landscape positioning) 30 x 18" (76 x 46cm).
Dimensions (Dia): 14'5" (4.4m).
Production capacity: Up to 600-700 (50-60 Doz.) per hour
POWER REQUIREMENTS: Electric: 110V, 50-60Hz, 10 Amps Air: 110psi (7.6bar), 30cfm (850 l/m)

AUTOMATIC PRESSES - SERVO/ELECTRIC

FALCON "M" SERIES

The Falcon "M" Series automatic press with servo driven indexer and A/C print heads, is the convergence of high production at an affordable price. These machines are built to withstand the rigors of a multi-shift printing operation and capable of printing 900-1,000 garments per hour. The Falcon "M" delivers with the quality and speed that your business demands. It's quick, economical and the easy-to-use functions, make the Falcon "M" the production answer.



Falcon FM-1012

Falcon "M" Automatic Servo/Electric Printer Models

FM-810 [8 colors-10 stations] part 75-MF0810

Max print area: 18x20" (46x51cm)

Dimensions (Dia): 14' (4.3m)

Production capacity: Up to 900-1,000 (80-85 Doz.) per hour

POWER REQUIREMENTS: Electric: 208-240V, 1 Phase 50-60Hz, 39 Amps Air: 110psi (7.6bar), 17cfm (481 l/m)

FM-1012 [10 colors-12 stations] part 75-MF1012

Max print area: 20 x 21" (51 x 53cm)

Dimensions (Dia): 15'6" (4.7m)

Production capacity: Up to 900-1,000 (80-85 Doz.) per hour

POWER REQUIREMENTS: Electric: 208-240V, 1 Phase 50-60Hz, 39 Amps Air: 110psi (7.6bar), 17cfm (481 l/m)

Plug N Go Flashing



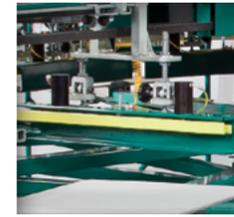
The print head is pre-wired to accept our exclusive "Plug N Go" Flash. The press will self detect the flashes location.

Pin Registration Compatible



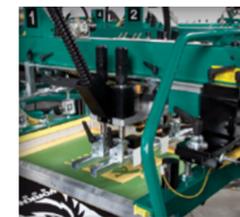
Our screen holder system is designed to work with the most common pre-registration systems on the market.

Yellow Bar Pneumatic Lockdowns



By using a full length bar instead of cylinder feet, the Falcon is able to secure many different styles of static and retentionable frames.

Fully Adjustable Screen Holders



If you have ever taken a screen to press and realized the image had been burned in the wrong place, you will see the benefit to this feature. Being able to use nearly any screen that hits the press is priceless.

Pneumatic Clamps



Pneumatic locking cylinders for the squeegee, floodbar, and screen. This standard feature promotes quick set up and tear down times.

Reversible Print Direction



Seams and pockets will no longer be obstacles. With the ability to print toward the center or away, squeegee shadow is a thing of the past.

Central Off-Contact Adjustments



Resetting screens to shift from t-shirt to fleece can have substantial costs in labor and time. With our central off contact, the change-over can take place in seconds.

Smooth, Reliable Servo-Indexer



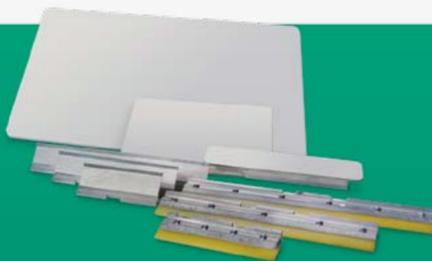
High speed servo-glide for increased production. All parameters adjustable from the control panel. Pre-Sets for up to 4 platen sizes for quick change over.



Falcon "M" Accessories

Screen printing is a versatile process, your business should be as well. Our wide variety of attachments allow you to print: infant wear, youth wear, oversized prints, all over prints, sleeves, shorts and much, much more. Our quick release platens, squeegees, and floodbars use an industry standard system for compatibility with other common machines.

Please call to get the right tool for the job.



AUTOMATIC PRESSES - SERVO/ELECTRIC

FALCON "E" SERIES

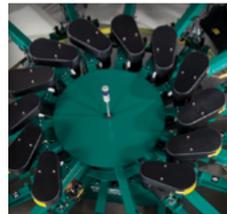
The Falcon "E" Series automatic press is designed for the highest production facilities. These presses can be found running around the clock in every corner of the textile world. On the surface, they may appear to be just a large format (20 x 28") printing machine. Dig deeper and you will find the Falcon "E" has the built-in ability to be an all-over printer as well. We call this ability duplexing. Duplexing allows the operator to set up jumbo (30 x 40") sized images on every other head, giving you two machines in one. In standard configuration, the Falcon "E" with servo index and electric heads, like the Falcon "M", will comfortably produce profitable numbers for any large volume operation.

Plug N Go Flashing



The print head is pre-wired to accept our exclusive "Plug N Go" Flash. The press will self detect the flashes location.

Textile Motors & Precision Linear Guide Rails



Every Falcon printhead runs on a precision ground linear rail driven by high torque textile motors for years of consistent performance.

Reversible Print Direction



Seams and pockets will no longer be obstacles. With the ability to print toward the center or away, squeegee shadow is a thing of the past.

Duplex Capability



Our 14 station through 18 station machines now come standard with a 40" stroke on every other head. The benefit of printing longer than a yardstick on your every day machine allows Falcon owners to compete in many more markets.

Heavy-Duty Chopper Cylinders

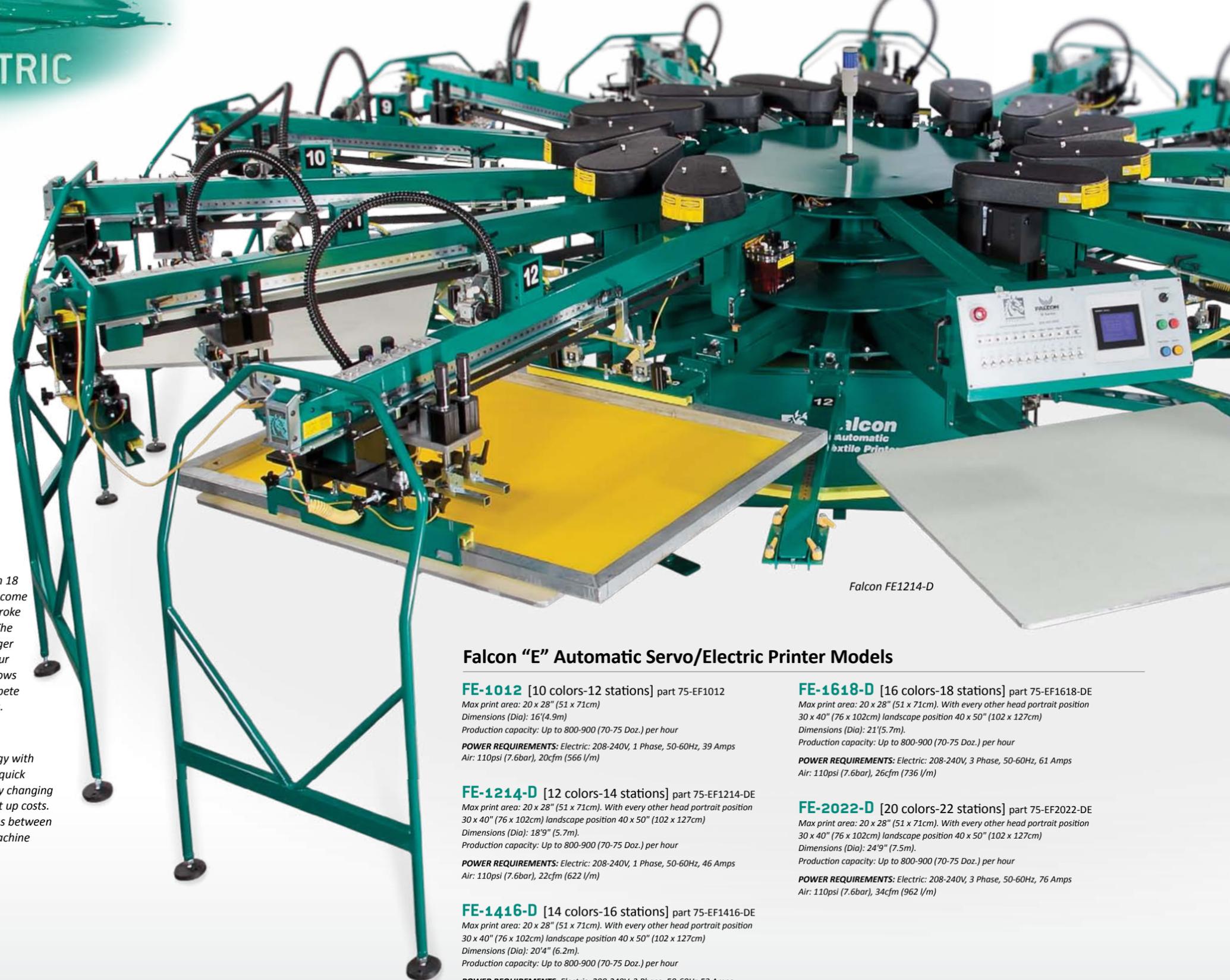


Whether you are pushing high density ink through an open mesh or white ink through a fine mesh, our heavy duty cylinders will provide the muscle to get the job done.

Quick Change Platens



Reduce time and energy with our industry standard quick release system. Quickly changing platens saves big in set up costs. Sharing a set of platens between machines and even machine brands is efficient.



Falcon FE1214-D

Falcon "E" Automatic Servo/Electric Printer Models

FE-1012 [10 colors-12 stations] part 75-EF1012

Max print area: 20 x 28" (51 x 71cm)

Dimensions (Dia): 16'(4.9m)

Production capacity: Up to 800-900 (70-75 Doz.) per hour

POWER REQUIREMENTS: Electric: 208-240V, 1 Phase, 50-60Hz, 39 Amps
Air: 110psi (7.6bar), 20cfm (566 l/m)

FE-1214-D [12 colors-14 stations] part 75-EF1214-DE

Max print area: 20 x 28" (51 x 71cm). With every other head portrait position

30 x 40" (76 x 102cm) landscape position 40 x 50" (102 x 127cm)

Dimensions (Dia): 18'9" (5.7m).

Production capacity: Up to 800-900 (70-75 Doz.) per hour

POWER REQUIREMENTS: Electric: 208-240V, 1 Phase, 50-60Hz, 46 Amps
Air: 110psi (7.6bar), 22cfm (622 l/m)

FE-1416-D [14 colors-16 stations] part 75-EF1416-DE

Max print area: 20 x 28" (51 x 71cm). With every other head portrait position

30 x 40" (76 x 102cm) landscape position 40 x 50" (102 x 127cm)

Dimensions (Dia): 20'4" (6.2m).

Production capacity: Up to 800-900 (70-75 Doz.) per hour

POWER REQUIREMENTS: Electric: 208-240V, 3 Phase, 50-60Hz, 53 Amps
Air: 110psi (7.6bar), 24cfm (679 l/m)

FE-1618-D [16 colors-18 stations] part 75-EF1618-DE

Max print area: 20 x 28" (51 x 71cm). With every other head portrait position

30 x 40" (76 x 102cm) landscape position 40 x 50" (102 x 127cm)

Dimensions (Dia): 21'(5.7m).

Production capacity: Up to 800-900 (70-75 Doz.) per hour

POWER REQUIREMENTS: Electric: 208-240V, 3 Phase, 50-60Hz, 61 Amps
Air: 110psi (7.6bar), 26cfm (736 l/m)

FE-2022-D [20 colors-22 stations] part 75-EF2022-DE

Max print area: 20 x 28" (51 x 71cm). With every other head portrait position

30 x 40" (76 x 102cm) landscape position 40 x 50" (102 x 127cm)

Dimensions (Dia): 24'9" (7.5m).

Production capacity: Up to 800-900 (70-75 Doz.) per hour

POWER REQUIREMENTS: Electric: 208-240V, 3 Phase, 50-60Hz, 76 Amps
Air: 110psi (7.6bar), 34cfm (962 l/m)

Falcon "E" Accessories

Screen printing is a versatile process, your business should be as well. Our wide variety of attachments allow you to print: infant wear, youth wear, oversized prints, all over prints, sleeves, shorts and much, much more. Our quick release platens, squeegees, and floodbars use an industry standard system for compatibility with other common machines. Please call to get the right tool for the job.

CONVEYOR DRYERS

POWERHOUSE QUARTZ DRYERS

Quartz technology makes the difference. Our claim to fame with the Powerhouse series is our true understanding of Infrared energy, its emission, and how it affects different materials. Our Quartz technology provides near instant-on capabilities for curing plastisols. With warm up times in seconds and not minutes, its no wonder shop owners look to us for higher productivity. The Powerhouse Series' 180 degree radiant pattern of emission means energy strikes from all angles, unlike standard panel dryers that only omit energy perpendicular to the panel. Simply put, the quartz technology in the Powerhouse Series provides a more uniform cure; even on shirts that are not perfectly flat. For waterbase and discharge printing, the Powerhouse Series incorporates a convection system of blowers and air knives to scrub the garments with hot air. The Powerhouse hybrid IR and Convection system allows us to cure more garments per hour in less space and at a lower price. Our digital control center uses state-of-the-art electronics and solid state components to accurately manage temperature and belt speed.

Features:

- ▶ Adjustable oven doors help to retain oven temperature.
- ▶ Removable oven hood provides easy access for regular cleaning.
- ▶ 4-point belt tracking makes it easy to setup your dryer and extends belt life.
- ▶ Optional add-on in feed and out feed facilitates garment loading and unloading.



PQ-5208 part 11272
 Production: 400-500 Pieces per Hour
 Belt Width: 52" (132cm)
 Dimensions (L x W x H): 96" (244cm) x 60" (158cm) x 32" (81cm)
 In Feed/Out Feed Dimensions: 24" (61cm)
 Optional 3' (.9m) In feed/Out feed Extension
 Oven Dimensions (L x W): 48" (122cm) x 60" (158cm)
POWER REQUIREMENTS:
 Electric: 220V, 1-phase, 50-60Hz, 10,897 Watts, 53amps
 (also available in 3-phase)

PQ-2608 part 11212
 Production: 200-300 Pieces per Hour
 Belt Width: 26" (66cm)
 Optional Side Cap Element Available
 Dimensions (L x W x H): 96" (244cm) x 41" (104cm) x 32" (81cm)
 In Feed/Out Feed Dimensions: 24" (61cm)
 Oven Dimensions: 48" (122cm)
POWER REQUIREMENTS:
 Electric: 220V, 1-phase, 50-60Hz, 8,400 Watts, 50amps
 (also available in 3-phase)



PQ-3011 part 11226
 Production: 400-500 Pieces per Hour
 Belt Width: 30" (76cm)
 Dimensions (L x W x H): 132" (336cm) x 41" (104cm) x 32" (81cm)
 In Feed/Out Feed Dimensions: 36" (91cm)
 Optional 3' (.9m) In feed/Out feed Extension
 Oven Dimensions: 60" (152cm)



POWER REQUIREMENTS:
 Electric: 220-240V, 1-phase, 50-60Hz, 12,000 Watts, 56amps
 (also available in 3-phase)



PQ-4013 part 11237
 Production: 600-800 Pieces per Hour
 Belt Width: 40" (102cm)
 Dimensions (L x W x H): 156" (397cm) x 50" (127cm) x 32" (81cm)
 In Feed/Out Feed Dimensions: 36" (91cm)
 Optional 3' (.9m) In feed/Out feed Extension
 Oven Dimensions: 84" (213cm)
POWER REQUIREMENTS:
 Electric: 220-240V, 3-phase, 50-60Hz, 18,000 Watts, 56amps
 (also available in 1-phase)

PQ-5217 part 11248
 Production: 1,000+ Pieces per Hour
 Belt Width: 52" (132cm)
 Dimensions (L x W x H): 204" (518cm) x 60" (158cm) x 32" (81cm)
 In Feed/Out Feed Dimensions: 60" (152cm)
 Optional 5' (1.5m) In feed/Out feed Extension
 Oven Dimensions: 84" (213cm)
POWER REQUIREMENTS:
 Electric: 220-240V, 3-phase, 50-60Hz, 30,600 Watts, 91amps



MERCURY COMPACT CONVEYOR DRYERS

These compact dryers allow you to produce professional, long lasting images even with a limited space or budget. The double wall construction and adjustable oven doors retain oven heat while the exhaust flange allows removal of fumes from your shop. These dryers handle a wide variety of imprints, caps, jackets, sweats, and transfers just to name a few.

Features:

- ▶ Adjustable belt speed and oven doors.
- ▶ Large heat panel.
- ▶ Double wall construction.
- ▶ Exhaust connection.

CD205-110 part 11208
POWER REQUIREMENTS: Electric: 115V, 1 Phase, 50-60Hz, 2,000 Watts, 17 Amps

CD205-220 part 11209
POWER REQUIREMENTS: Electric: 220V, 1 Phase, 50-60Hz, 3,000 Watts, 14 Amps

Production: Up to 72 Pieces per Hour
 Belt Width: 20" (51cm)
 Dimensions (L x W x H): 67" (170cm) x 30" (76cm) x 32" (81cm)
 In Feed/Out Feed Dimensions: 18" (46cm)/30" (76cm)
 Optional 3' (.9m) In feed/Out feed Extension
 Oven Dimensions: 30" (76cm) x 30" (76cm)



EXPOSURE UNITS

Workhorse Products has a full line of exposure units to fit any application. Whether you need a compact unit, or a high resolution, large-format unit, we've got the perfect solution. Throughout the entire line, there is one feature you can always count on—that is quality. At every level, you can be assured that you are getting the most for your money.

Photosharp Metal Halide Screen Exposure System

PhotoSharp's performance is simply unmatched. PhotoSharp offers the highest resolution, fastest exposure times, and longest lamp life. The small focused lamp reflector maximizes image resolution. The shuttered lamp system provides faster exposure times by eliminating the warm up time associated with instant start systems and extends the lamps life by reducing the number of lamp strikes. The dual-spectrum lamp is spectrally matched with both diazo and photopolymer sensitized emulsions for maximum speed and flexibility.

Features:

- ▶ 1000 watt metal halide light source.
- ▶ Dual-spectrum, shuttered light source.
- ▶ Small focused reflector.
- ▶ Integrated digital time control and auto-shutoff and auto-repeat functions.
- ▶ Extra large screen capacity.
- ▶ Durable hold down blanket with powerful vacuum for perfect contact between screen and artwork.
- ▶ Two-part cabinet for easy installation.

Dimensions (LxWxD): 40" (102cm) x 55" (140cm) x 40" (102cm)

P1KUV-110 part 11596
POWER REQUIREMENTS: Electric: 115V, 60Hz, 1,400 Watts, 12 Amps

P1KUV-EURO part 11595
POWER REQUIREMENTS: Electric: 230V, 50Hz, 1,400 Watts, 7 Amps



Point 1000 Halogen/UV Screen Exposure System

The Point 1000 provides high-resolution screens at an affordable price by bringing together the best of two different light sources. The 1,000 watt halogen point light source enables you to capture halftones and fine lines while the UV fluorescent lights help speed exposure. These features combined with a digital timer make the Point 1000 an ideal choice for screen printers seeking higher quality images and increased throughput.

Features:

- ▶ Halogen and UV fluorescent light source.
- ▶ Extra large screen capacity.
- ▶ Digital auto-shutoff timer with auto-repeat function.
- ▶ Durable hold down blanket with powerful vacuum for perfect contact between screen and artwork.
- ▶ Easy maintenance and cleaning.
- ▶ Two-part cabinet construction for easy installation.

P1KUV-110 part 11596
POWER REQUIREMENTS: Electric: 115V, 60Hz, 1,400 Watts, 12 Amps

P1KUV-EURO part 11595
POWER REQUIREMENTS: Electric: 230V, 50Hz, 1,400 Watts, 7 Amps
Dimensions (LxWxD): 40" (102cm) x 55" (140cm) x 40" (102cm)



Lumitron UV Fluorescent Exposure System

The Lumitron is a high end exposure system in a small package. This unit has high output UV fluorescent bulbs that offer balanced light distribution throughout. Using the same powerful vacuum as our best units, the Lumitron gives you perfect contact between your film positive and screen.

Features:

- ▶ UV fluorescent light source provides balanced light distribution.
- ▶ Large screen capacity.
- ▶ Compact design to fit into any shop.
- ▶ Digital auto-shutoff timer with auto-repeat function.
- ▶ Durable hold down blanket with powerful vacuum for perfect contact between screen and artwork.

LUMUV-110 part 11598
POWER REQUIREMENTS: Electric: 115V, 60Hz, 620 Watts, 6 Amps

LUMUV-EURO part 11599
POWER REQUIREMENTS: Electric: 230V, 50Hz, 620 Watts, 3 Amps

Dimensions (LxWxD): 41" (104cm) x 43" (109cm) x 8" (20cm)



Luminator UV Fluorescent Exposure System

The Luminator is an expandable exposure unit specially designed for the startup shop on a budget. This unit has high output UV fluorescent bulbs that offer balanced light distribution throughout. This system is compatible with direct emulsion or capillary films that allow versatility in your stencil systems. It comes standard with a 16 x 20" pressure pad to ensure even contact between your film positive and your screen.

Features:

- ▶ Large screen capacity.
- ▶ Compact design.
- ▶ Digital auto timer.
- ▶ 115 or 230 V



LURUV-110 part 11580
POWER REQUIREMENTS: Electric: 115V, 60Hz, 620 Watts, 6 Amps

LURUV-EURO part 11581
POWER REQUIREMENTS: Electric: 230V, 50Hz, 620 Watts, 3 Amps

Dimensions (LxWxD): 41" (104cm) x 43" (109cm) x 8" (20cm)

Luminator Upgrade Kit part 11582

Optional upgrades include a durable vacuum frame powered by a true vacuum pump. Gas lifters are also included to provide a smooth opening and closing of the lid. This upgrade allows you to expand the Luminator into out fully functioning Lumitron. The upgradable vacuum system provides perfect contact between the film positive and the screen. This greatly enhances edge definition and half tone dot resolution.

Features:

- ▶ Easy to install.
- ▶ Long life neoprene.
- ▶ Durable lightweight design.
- ▶ 115 or 230 V



FLASH CURING UNITS

SUPER SECA FLASH CURING UNITS

The Super Seca is the most economical and functional flash curing unit in the industry. Keeping with the Workhorse tradition, the Super Seca is built to last with the dependability you need for your print shops needs.

Features:

- 10 year warranty.
- 360 degree head rotation.
- Adjustable height.
- Totally portable.
- Infrared heat panel.
- Energy reflectors for enhanced edge curing.
- Sturdy 5 leg base.
- 110V or 220V systems.



Super Seca SS16C (shown with optional SS-Auto-110V Auto Rotation Box and SS-Temp110V Temperature Control Box)



SS16C
part 11010-SS-1616-C
16 x 16", 110V



SS18C-110
part 11010-SS-1818-C
18 x 18", 110V

SS18C-220
part 11010-SS-1818-220-C
18 x 18", 220V



SS1824C
part 11010-SS-1824-C
18 x 24", 220V



SS24C
part 11010-SS-2424-C
24 x 24", 220V

Auto Rotation Box

Selectable auto and manual modes, the auto rotation box, moves your flash head to a safe home position between prints. Includes foot pedal control.



SS-Auto-110V
part 11010-SS-AUTO
110 Volt power

SS-Auto-220V
part 11010-SS-AUTO-220
220 Volt power

Temperature Control Box

This feature allows temperature reduction for scorch free flashing on all materials.



SS-Temp-110v
part 11010-SS-TEMP
110 Volt power

SS-Temp-220v
part 11010-SS-TEMP-220
220 Volt power

Heavy Duty Casters



Makes rolling the Super Seca from one work center to another easy.

SS-Caster
part 11010-SS-CASTERS
Set of 5

FLASHES FOR FREEDOM AND JAVELIN PRESSES

Features:

- **Intra-color flash modes:**
print once - flash one
print twice - flash once
print, flash, print
print, flash, print, flash
- **Inter-color flash mode:**
high-speed flashing with
instant cooling
- Adjustable shuttle-in/shuttle-out speeds.
- Quick flashing quartz elements.
- Quick-cooling turbo fans.
- Heat reflector.
- Adjustable height.
- Easy to move from head to head.

FlashBack

Our patented FlashBack when added to either press creates the most usable system in the industry. Print, flash and cool at any or all stations without losing a color.



FB1618
part CA-0016A
FlashBack Flash Curing Unit

RD1820
part CA-1820
Radiant Flash Unit



Radiant Flash

Our low cost, high production flash curing solution for those jobs where you can sacrifice a print head.

FALCON COMPATIBLE FLASH UNITS

All Falcon flash curing systems incorporate the use of high power quartz elements for the fastest flashing possible. These elements cycle on and off with the index of the machine. Thus, only heating and consuming power when needed.

Plug-N-Go Flash

This flash is designed to work exclusively with the Falcon line of presses. Simply plug this flash into any print head and the press will take over all flash controls.

PG2024
part 75-60-140
Plug-N-Go
(Also available in 20 x 32" size)



Universal Flash

This flash has all the features of the Plug-N-Go and uses a built in sensor and timer to control the flash. This machine can be used universally on most all printing presses.

UN2024
part 75-60-740
Universal Flash Unit
(Also available in 20 x 32" size)



Duplex Flash

All over prints demand an all over flash. This is the giant flash for the job. Clamping in just like a screen, installation takes only seconds.

DU3648
part 75-DF3648
Duplex Flash Unit
Large size of 36 x 48"



ACCESSORIES AND OTHER EQUIPMENT

CAPMAX CONVEX CAP PRINTERS

CapMax cap printing system is the ultimate cap printing system. It is capable of printing from simple to the most extreme designs on the widest variety of caps, including 6 panel caps. CapMax uses a curved platen and screen that follow the natural shape of the cap. CapMax is available in four configurations. The CPMX44 comes standard with both Cap and t-shirt platens making it a dual purpose cap and t-shirt printer. CapMax bench models include CPMX11, 1 color, 1 station: CPMX21, 2 colors, 1 station: CPMX41, 4 colors, 1 station. Each includes a 110 mesh screen(s), squeegee(s), and CP2 platen(s).

Features:

- ▶ Convex screen platen system.
- ▶ Large diameter center shaft with tapered bearings.
- ▶ Sturdy tubular steel construction.
- ▶ Adjustable contact and adjustable screen angle.
- ▶ Large diameter registration points.
- ▶ Expandable with additional print heads and stations.



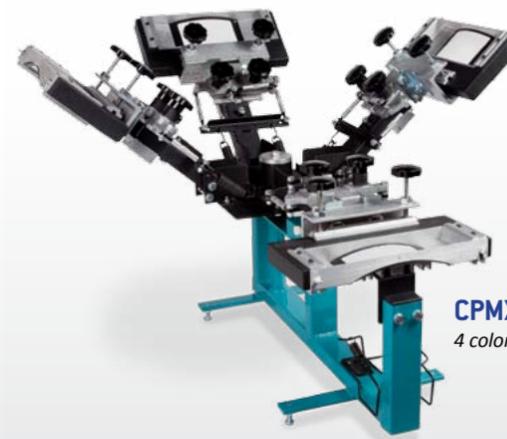
CPMX44 part 10202
4 colors-4 stations



CPMX11 part 10204
1 color-1 station



CPMX21 part 10203
2 colors-1 station



CPMX41 part 10201
4 colors-1 station

CAPMAX FLASH CURING UNITS

CapMax Flash Curing Units are a perfect match for the CapMax Printing Systems. The unique curved element design provides even and thorough flash curing on all types of caps. CapMax Flash is available as a free standing floor model or as a bench top slide model. The CapMax floor model compliments the CapMax 4 colors, 4 stations printer or manual presses outfitted with CapMax cap attachments. The CapMax Bench Model has sliding elements, perfect for CapMax bench model printers.



CAPMAX SCREENS

CapMax Screens come in a wide range of mesh counts. Choose lower mesh counts for simple, bold designs or for thicker ink deposits. Choose higher mesh counts for detailed designs, halftone designs or for thinner ink deposits.



CAPMAX PLATENS

A wide variety of quick change CapMax platens are available to provide the perfect fit for virtually every type and size of cap. CapMax printers come standard with a CP2 platen which fits twill, poplin, and nylon, caps. In addition you can get CP1 for low crown youth caps, CP3 or CP4 for summer mesh caps, or CP5 for visors. CP6 has a groove machined in the center enabling you to print right over the seam on low crown, 6-panel caps.



ACCESSORIES AND OTHER EQUIPMENT

ACCU-STRETCH

Printing at higher, uniform tensions provides faster production speeds, improved registrations, longer screen and squeegee life, more consistent ink deposits and lower ink usage. The patented Accu-Stretch provides these benefits while eliminating complicated stretching systems, training and expensive tools. Self-equalizing stretch clamps provide uniform tension while minimizing fabric waste by enabling you to stretch directly from the fabric bolt. The modular design enables Accu-Stretch to be expanded to virtually any size and width of fabric and frame materials. Choose from any one of nine Accu-Stretch systems and add any combination of five sizes of Accu-Stretch Modular Upgrades to create a stretching system for your exact needs.



AS-2436 part CA-0101A
Max length: 24" (61cm) Max width: 36" (91cm)
POWER REQUIREMENTS: AIR: 110 psi (7.6 bar), 1 cfm (28 l/m)

AS-2448 part CA-0102A
Max length: 24" (61cm) Max width: 48" (122cm)
POWER REQUIREMENTS: AIR: 110 psi (7.6 bar), 1 cfm (28 l/m)

AS-2460 part CA-0103A
Max length: 24" (61cm) Max width: 60" (142cm)
POWER REQUIREMENTS: AIR: 110 psi (7.6 bar), 1 cfm (28 l/m)

AS-3636 part CA-0107A
Max length: 36" (91cm) Max width: 36" (91cm)
POWER REQUIREMENTS: AIR: 110 psi (7.6 bar), 1 cfm (28 l/m)

AS-3648 part CA-0108A
Max length: 36" (91cm) Max width: 48" (122cm)
POWER REQUIREMENTS: AIR: 110 psi (7.6 bar), 1 cfm (28 l/m)

AS-3660 part CA-0109A
Max length: 36" (91cm) Max width: 60" (142cm)
POWER REQUIREMENTS: AIR: 110 psi (7.6 bar), 1 cfm (28 l/m)

Features:

- ▶ 9 sizes of complete Accu-Stretch systems.
- ▶ 5 sizes of Accu-Stretch upgrades.
- ▶ Adjustable down to 10 x 15" (24 x 38cm).
- ▶ Infinite independent warp and weft tension controls.
- ▶ Brace-bar pre-bows frames.
- ▶ Self-equalizing clamps for even tension.
- ▶ Compatible with all stretch and glue frames.
- ▶ Reliable pneumatic design.
- ▶ Easy-loading stretch-clamps.
- ▶ Gentle PVC coated locking bars.
- ▶ Stretch directly from fabric bolt.

AS-4848 part CA-0116A
Max length: 48" (122cm) Max width: 48" (122cm)
POWER REQUIREMENTS: AIR: 110 psi (7.6 bar), 1 cfm (28 l/m)

AS-4860 part CA-0117A
Max length: 48" (122cm) Max width: 60" (142cm)
POWER REQUIREMENTS: AIR: 110 psi (7.6 bar), 1 cfm (28 l/m)

AS-6060 part CA-0126A
Max length: 60" (142cm) Max width: 60" (142cm)
POWER REQUIREMENTS: AIR: 110 psi (7.6 bar), 1 cfm (28 l/m)



Single-wide wash sink

WSH-36 part 11506
Dimensions (HxWxD): 72" (182cm) x 36" (91cm) x 24" (61cm)



Double-wide wash sink

WSH-52 part 11507
Dimensions (HxWxD): 72" (182cm) x 52" (132cm) x 24" (61cm)

WASH-IT

Available in two sizes, the Wash-It is ideal for developing and reclaiming your screens. Designed to work at waist height, these sinks are ergonomically built for function and comfort.

Features:

- ▶ Large screen capacity.
- ▶ Multiple screen capacity.
- ▶ Solid, waterproof steel construction.
- ▶ Translucent back window.
- ▶ Adjustable screen racks.
- ▶ Easy and thorough drainage.

VACUPALLET

Make more money by printing heat transfers, bumper stickers, decals, signs and more. Simply depress the footswitch, and the powerful vacuum motor holds flat stock securely without the use of spray adhesive. Large Screen Capacity.



VP-1824 part 12513
Depth: 18" (46cm) Width: 24" (61cm)
Press not included.

GRIPPER

The Gripper is the answer for printing any two-ply garment where you must keep both the outer shell and inner lining from moving. It features a large 16 x 16" (41 x 41cm) print area to accommodate full sized designs.

The unique design of the Gripper frame pulls the image area taught for printing. The lock-lever system can be adjusted to firmly hold any material thickness from a running shorts to a quilted parka.



GR-1616 part 12011
Depth: 16" (41cm) Width: 16" (41cm)

SAMPLE SHOP PACKAGES

At Workhorse we are shop package experts. We have packages designed to meet any budget, space constraint or production need. In the following pages we have picked a few of the most commonly purchased manual and automatic shops. However, we offer many more packages and combinations than what you see listed here. Please visit our web page or call one of our shop set-up specialists for more information regarding additional packages and pricing.

Starter Pack #1



Luminator LURUV
See page 19

Odyssey O-1100B
See page 5

Super Seca SS16C
See page 20

Starter Pack #3



Lumitron LUMUV
See page 19

Odyssey O-4100B
See page 5

Super Seca SS18C
See page 20

Compact Dryer CD-205
See page 18

Optional Platens
Call for info

Starter Pack #4



Lumitron LUMUV
See page 19

Odyssey O-4400-M
See page 5

Super Seca SS18C
See page 20

Compact Dryer CD-205
See page 18

Wash-It WSH-36
See page 25

Optional Platens
Call for info

Pro Pack #1



Point 1000 P1KUV
See page 19

Mach M-44-M
See page 5

Super Seca SS18C
See page 20

Powerhouse Quartz PQ2608
See page 18

Wash-It WSH-36
See page 25

Optional Platens
Call for info

Pro Pack #2



Point 1000 P1KUV
See page 19

Mach M-66-M
See page 5

Super Seca SS1824C
See page 20

Powerhouse Quartz PQ2608
See page 18

Wash-It WSH-36
See page 25

Optional Platens
Call for info

Pro Pack #3



Photosharp PSHMH
See page 18

Mach M-88-O
See page 5

Super Seca SS1824C
See page 20

Powerhouse Quartz PQ3011
See page 17

Wash-It WSH-36
See page 25

Optional Platens
Call for info

Pneumatic Pack #1



Point 1000 P1KUV
See page 17

Freedom FRD-68*
See page 5

FlashBack FB1618
See page 20

Powerhouse Quartz PQ3011
See page 17

Wash-It WSH-52
See page 25

Optional Platens
Call for info

*Compressor and chiller not pictured

Pneumatic Pack #3



Photosharp PSHMH
See page 18

Javelin Pro JAV-810*
See page 11

FlashBack FB1618 Radiant Flash RD11820
See page 20

Powerhouse Quartz PQ4013
See page 17

Wash-It WSH-52
See page 25

Optional Platens
Call for info

*Compressor and chiller not pictured

Servo Electric Pack #2



Photosharp PSHMH
See page 18

Falcon FM-1012*
See page 12

Plug-N-Go PG2024
See page 20

Powerhouse Quartz PQ5217
See page 17

Wash-It WSH-52
See page 25

Optional Platens
Call for info

*Compressor and chiller not pictured

Servo Electric Pack #3



Photosharp PSHMH
See page 18

Falcon FE-1214-D*
See page 11

Plug-N-Go PG2024
See page 20

Powerhouse Quartz PQ5217
See page 17

Wash-It WSH-52
See page 25

Optional Platens
Call for info

*Compressor and chiller not pictured



WORKHORSE PRODUCTS

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