



DESCO

Pail & Bucket Printers



printing systems for the
container and closure industries

World Leading Printing Solutions

Desco Machine Company is an innovator of high quality, cost efficient printing systems for the pail and bucket industries. We have been manufacturing industry leading solutions since 1985, and now, as a division of Apex Machine Company, an ISO9001:2008 certified company; we are offering significant developments and technical advances for our product range.

Many applications are unique in the pail/bucket industry, and we start by analyzing each customer's specific printing requirements. We then provide a detailed, comprehensive equipment recommendation, with the result being the most cost effective integration of printing features and accessories available at the most competitive price possible.

Once your system is built, tested, and delivered, our commitment to ensuring your Desco system produces superior quality printing with outstanding results on a 24/7 basis has just begun.

Modern Manufacturing



Desco Machine Company is dedicated to Manufacturing Excellence. We are staffed with experienced industry professionals who are leaders in their fields, which enables us to achieve and maintain that excellence. Our engineering team utilizes the latest design software and works with each customer to provide machinery that meets expectations now and, as production requirements increase, enables growth in the future. Our manufacturing facility contains state-of-the-art equipment, and with our skilled and experienced personnel, we can ensure superior quality and timely delivery of your printing machine.

We provide the printing machines, associated handling equipment, spare parts, printing plates, inks, blankets, and print consumables...the complete package. Our laboratory is available for special sampling and ink testing trials, and our graphics department offers full service design and plate-making, including laser plates, using the very latest technologies.

Exceptional Service

Desco knows that our customers expect and require superior service. We provide up to date project reports while your equipment is being designed and manufactured, and our ability to pinpoint the status of machinery moving through production illustrates our ability to keep our customers informed.

You can be assured that our customer care does not stop after you receive your Desco printing system. We work with you every step of the way to ensure your printing machine has the long trouble-free life typically associated with our equipment. Long after your system arrives on your floor, our technicians will ensure that your printing machine/s are inspected, serviced, and adjusted.

One of the many benefits of our relationship with Apex Machine Company is that we can now offer a larger worldwide presence for both sales and service. We now have technicians worldwide that travel extensively installing and servicing our machinery.

Desco is committed to providing the highest quality printing equipment, consumable products, and most importantly, superior service to our customers.

Our goal is to develop a long-term relationship with each and every Desco system owner to forge a partnership and ensure that your company is completely satisfied with their investment – **now and in the future.**



Our range of Pail & Bucket Printers

Desco Pail Printers are designed to provide high-speed continuous production. Desco's renowned high quality of construction, combined with industry leading dry offset printing heads, has always offered the ultimate in high quality and reliability for the production of all types of artwork onto buckets, pails and similar shaped containers.

Models are available to suit all levels of production requirements and every machine is available with a range of options that cannot be matched by any other other manufacturer. Every machine is offered with a variety of different product handling solutions to suit individual requirements for automated feeding, nesting, de-nesting, stacking, etc.

Whatever your requirements, whether for round, oval, square or rectangular pails, Desco has the best solutions available anywhere. Our machines are customized to meet your specifications to provide a perfect fit for your production needs.

The most effective combination of pail printer & accessories for your application can only be determined by analysis of your specific pail printing requirements. Based on our global experience of over 300 machine installations, we can supply the right solutions.



Standard Benefits offered on all Desco Pail Printers

Feature	Benefit
Welded Steel Machine Base & Blanket Tower	Rigid integrated structure prevents any flexing or movement of the print carriage assemblies to ensure flawless print accuracy.
Positive Timing throughout the Machine	As a helical gear driven machine, there are less wear and tear related issues which are typically associated with timing belts and chains.
Flame Treating System (adjustable flame length 6-12 inches)	Provides ideal levels of pre-print surface tension in the substrate material to ensure a receptive surface and optimum ink adhesion.
Adjustments for Print Angle, Print Height & Print Pressure	Print system is easily and quickly adaptable for different sizes of container, reduces downtime.
Accurate Registration Printing in up to 4, 6 or 8 Colors depending on machine type	High quality printing without variation from product to product.
All Printing in One Pass – Line, Halftone, Full Process or any combination	All colors are transferred to the product in a single rotation of the offset blanket drum, thus guaranteeing registration and quality.
Large Diameter Form Roll to Eliminate Ghosting	Prevents inconsistencies in inking densities caused by the inadequate ink transfer ability of smaller diameter form rolls, ensures better overall print quality.
Anti-Backlash Plate Cylinder Gearing	Eliminates any gear marking or inconsistencies in print due to imperfect gear adjustments, providing a higher printing quality.
Micro Axial & Radial Plate Cylinder Adjustments	Allows fast and precise adjustments for registration between colors when setting up new artworks, reduces downtime.
Swing-Away Ink Roll Sections	Provides easy access for operators for plate mounting and for cleaning, saving time and effort.
Variable Speed Ink Fountain Roll Drive Motor	Ensures totally consistent ink transfer every time the dance roller operates to add ink to the print head distribution rolls, provides better quality printing.
Swing Control Panel	Allows the operator to monitor and control the machine from different positions as required, saving time and effort.
Full Electronic Control & Systems Monitor through PLC with Diagnostic Display	Provides operators and technicians with all the necessary information and controls to run and service the machine successfully.
Heavy Duty Index Cam	Provides precise indexing, stability during the printing operation and the durability required for 24/7 operation for years to come.
Safety Shielding & Guarding	Prevents accidents – meets statutory requirements.

... and we have a great selection of Options & Ancillary Equipment - see pages 6 and 7.

DSP-4-UVM



DSP-4 Four Color Pail Printers

The DSP-4 is our most economical and simplest to operate and will provide consistently superior quality on your pails for a very low investment for many years. Our goal is to print no more than four colors on your pails. The ability to add automation at a later date, the DSP-4 is the ideal system that will meet your requirements.

DSP-6 Six Color Pail Printers

The DSP-6 is our mid-range pail printing system and is capable of printing in up to six colors on pails of varying sizes.

The DSP-6 will provide you with consistent service on a day-to-day basis for many years, and since all our systems are built with a "building block" concept, it can be automated in various ways, either when initially purchased, or at any time in the future.

These automation options can increase production efficiency, lower labor costs, and meet your specific production requirements.



DSP-6-UVM

Specifications

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Fle
near
quality

Item
Maximum
On Mandre
No. of Man
Printer weig
Diameter /
Pail Height
Printing He
Pail Sizes
Operating S
Power Req



st system to
quality printing
y years. If your
r pails and have
DSP-4 is an



DSP-8
with UV Tunnel

NEW!
machines
available with
Maxpex®
silkscreen
y offset print

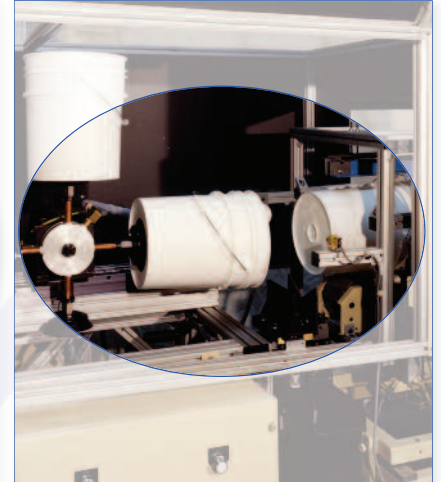
DSP-8 Eight Color Pail Printers

The DSP-8 is capable of printing in up to eight colors, including half-tones, fine line, full process or any combination required. It is modular in design and many different features and types of automation can be incorporated in the system to meet your production demands, either now or at a later date. The DSP-8 is our top of the range “work horse” and will continually provide superior quality trouble-free decorating of your pails for many years. It is sure to become the busiest and highest producing machine in your facility.

	DSP-4	DSP-4-UVM	DSP-6	DSP-6-UVM	DSP-8	DSP-8-UVM
Colors	4	4	6	6	8	8
UV Drying	No	Yes	No	Yes	No	Yes
Drums	4	6	4	6	4	6
Weight	5,000 lbs (2,268 kg)	7,500 lbs (3,400 kg)	15,000 lbs (6,800 kg)	18,000 lbs (8,160 kg)	18,000 lbs (8,160 kg)	27,000 lbs (12,250 kg)
Part Taper	Diameter: 14" (350mm) max. • Part Taper: 15° max.					
	18" (460mm) max.					
Height & Length	Height: 12" (304mm) max. • Length: Magnetic Plate Drum: 37.5" (952mm) - max. or Pin Bar Plate: 34.5" (876mm) - max.					
	From 1 to 6 Gallon (3.785 to 25 litre) Pails - solutions available for Round, Oval, Square and Rectangular					
Speed	Depending on size of containers and on ancillary feeding equipment selected.					
Requirements	All standards catered for based on Customer's Requirements					



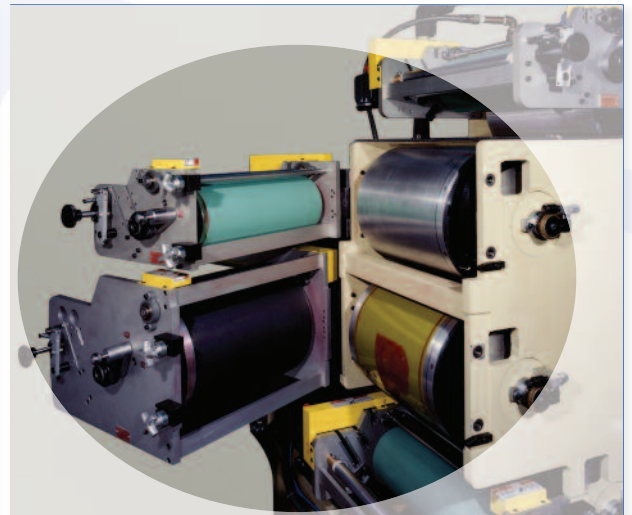
Horizontal Loader & De-nester with 90° Vertical Exit Conveyor



De-nest Unit with Auto Loader



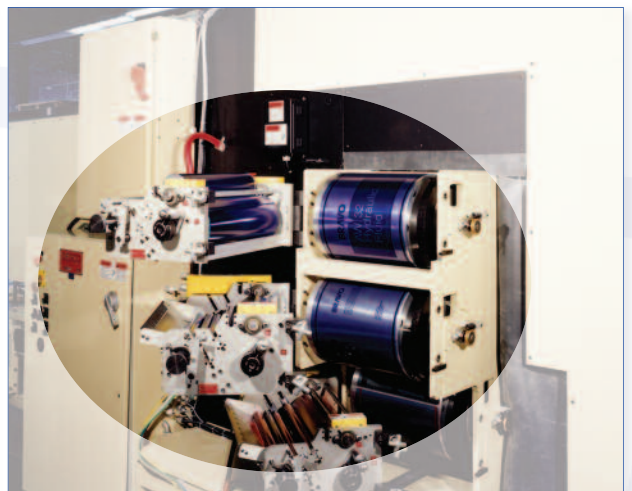
Horizontal Infeed with Vertical Exit Conveyor



Shadow Color Head and Magnetic Plate Cylinder



Vertical to Horizontal Infeed and Vertical Exit Conveyor



Swing Out Offset Color Heads

Flexapex® - near silkscreen quality offset print

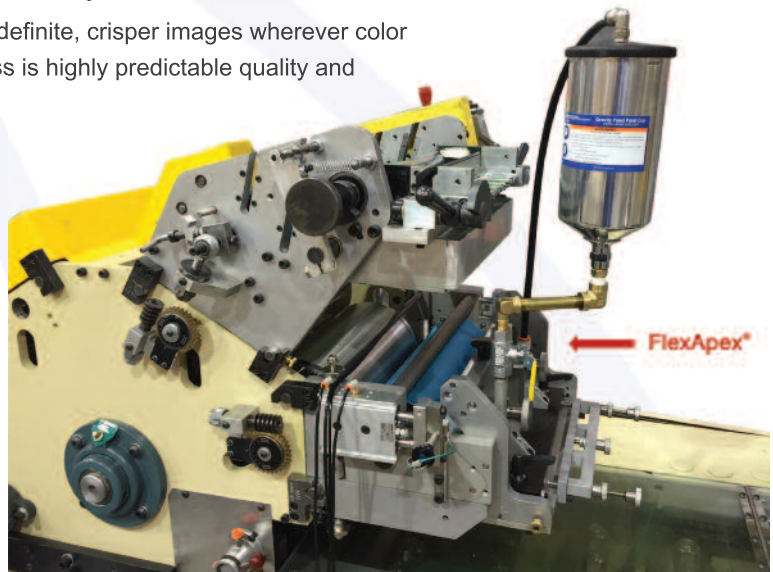
Flexapex® is the most exciting advance in offset printing technology in decades. It works by providing a combination of the benefits of flexographic and offset print technologies and it permits the laying down of up to 5 times the amount of ink that is possible with conventional dry offset printing, enabling the transfer of substantially heavier ink films.

Flexapex® allows the printing of improved solids and more definite, crisper images wherever color density is needed. A further benefit of the Flexapex® process is highly predictable quality and density repeatability on re-runs.

FlexApex® technology has been developed by our parent Apex Machine Company and it is a technology already widely in use, with great success, in a number of industry fields including medical, automotive and other areas requiring great vibrancy and depth of color for markings, solids, etc.

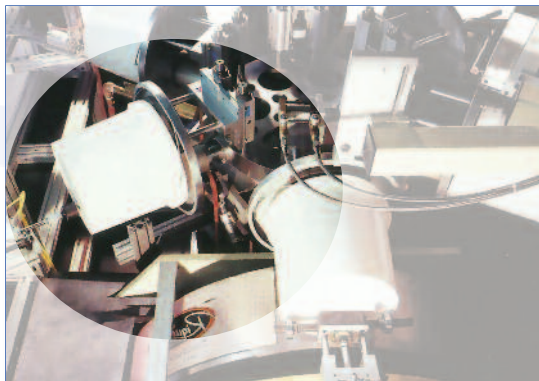
Flexapex® conversion print heads are now available as an option on all new machines and also as a retrofit for most existing Desco and similar machinery in the field.

For more information about Flexapex® technology and how it can transform your printing capability to set you apart from competitors, just call us.

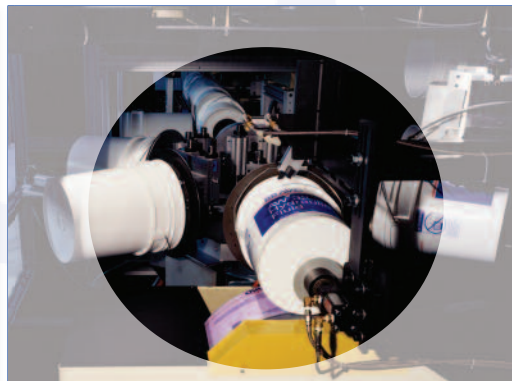


Options (all models)

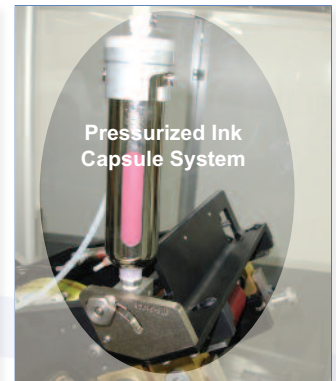
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|---|---|---|
| <ul style="list-style-type: none"> • Flexapex® Near Silkscreen Print Quality Color Heads • Automatic Feeding with Inventory System • DESCO Automatic Feeder System with Vacuum Pick-Off • Solid Mandrels – Quick Changeover • Adjustable Mandrel System – Adjusts to Variable Sidewall Thickness, 3 Gallon and up • Air/Vacuum Hold-On System • Pre-Orientation System, minimizes stress to handle lugs • Auto Inspection Station | <ul style="list-style-type: none"> • Orientator System, permits printing in register between handle lugs • Special Ink Roll System with 12-Inch Form Roll • Magnetic or Mechanical Handle Holders • Vacuum Destaticizer • Magnetic or Clamp Style Plate Cylinders • On/Off Form Roller & Plate Cylinder Control by PLC • Running Registration for quick print adjustment • No Pail No Print | <ul style="list-style-type: none"> • Ultraviolet or Infrared Curing Conveyor System • Automatic Restacker and Inventory System • Computerized Control System (CCS) • Computerized Product Sizing System, product height, taper & diameter • Clearcoat Station with second UV Dryer • Corona Treater • PICS Ink Distribution System - replaces normal ink fountain • Auto agitator for ink fount |
|---|---|---|



Expansion Mandrels



Pail Orientation & Handle Hold Down



PICS - Replaces Ink Fountain



DESCO

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