



CAPEX
CORPORATION



Specialty Printing Inks
and Supplies

Experts In Our Specialty

We do not profess to be experts in all phases of product printing, nor will we give you the false impression that we are! We do believe, however, that our concentration in a relatively narrow field for over 110 years has given us a unique position and a professional knowledge base that is rarely challenged. Certainly, we do know "something" and consider ourselves to be "experts" in our specialized field. We also are prepared to learn continually by accepting new challenges and thereby increase our knowledge base.

The Printing, Marking, and Decorating of 3-Dimensional objects is our expertise. Getting proper ink adhesion to plastics and other non-porous substrates is a part of that expertise as well.



Note: Optimal printing does not occur by chance. It is a result of using a matched printing "system" that includes a printer, blankets, rollers, inks and cleaners.

Choose the one who knows the complete "system".

Conventional & UV Curing Inks

Capex Corporation, a part of the Apex Machine Group, is a specialty ink blender of both conventional and ultraviolet curing printing inks. Our goal is to be your continuous source of the best printing inks, coatings, cleaners and supplies for your APEX, DESCO or other make printing systems. Your highly specialized applications require equally specialized printing inks for optimal printing and production.

Capex has an ongoing program of research and development to determine the very best printing inks for each application. We listen to your individual requirements and apply our expertise to fulfill your printing needs.

Capex offers a wide range of printing inks, cleaners, and supplies designed specifically for printing, marking and decorating systems and any 3-dimensional products.

Each printing process and product substrate dictates the kind of ink. Our paste inks are generally used in Dry Offset, Letterflex, Letterpress, and Rotary Letterpress printers. Our liquid inks are generally used in Rotogravure, Rotogravure Offset, Rotoscreen, and Flexography.

Use our cleaners on your printers as well as throughout your facilities. Capex handcleaner is world famous for its safe cleaning power. Supplies and kits are numerous, so please note the following catalog of information.



We welcome the challenges of unusual ink applications.

10 Reasons Why You Should Purchase CAPEX Ink and Supplies!

1. Capex offers superior quality and consistency.
2. Capex inks offer superior drying and adhesion characteristics.
3. Capex offers quick, courteous response and delivery.
4. Capex offers competitive pricing.
5. Capex formulations are on the FDA Drug Master File.
6. Capex formulations meet the current worldwide medical requirements: 21 CFR, En71, CONEG, ANSI, etc.
7. For your ISO compliance:
 - a. Capex certifies batches for quality, consistency and compliance.
 - b. Capex offers barcoded and batched label references.
 - c. Capex is following GMP and ISO 9001 requirements.
8. Capex assures optimal printing on all Apex and Desco printing systems.
9. Capex offers R & D expertise and assistance for new products.
10. Capex offers 24 hour a day assistance.
11. Capex can offer custom packaging solutions.



Ink Question Check List

Answers to the following questions will help us better understand your specific printing and ink requirements.

1. What substrate are you printing on?
2. What is the end use of the product?
3. What is the make and model of your printing press? How many do you have?
4. What is the press speed, answer in pieces per minute or feet per minute?
5. What is the curing method? (i.e. UV, infrared, or other)
6. Do you overprint with varnish, lacquer or clear coat?
7. What are your specific adhesion requirements?
8. What is your average monthly ink consumption?
9. Do you mix your own PMS color matches or do you prefer to buy them pre-mixed?
10. Are you having a problem with your current ink supplier or inks? If so, who is the supplier and what is the ink?
11. Would you like a Capex sample? If so, what color?
12. How would like your inks packaged?



Choose the one who offers the complete "service".

Basic Ink Types

Series	Description of Ink
22	Conventional dry paste ink for coated products, wood and metals.
43	Medium dry conventional paste ink for plastics, longer press life than 14 Series and more gloss.
46	Fast dry conventional paste ink for plastics and metals. Designed for high speed printing processes with convection or IR drying.
54-55	Viscous Piezo Inkjet compatible ink with extremely fast cure rates from polymerization upon exposure to LED or UV light.
71	Liquid solvent based ink for plastics designed specifically for Rotogravure offset presses.
76	Liquid solvent based ink for plastics designed specifically for the medical industry and for Rotogravure offset presses.
77	Liquid solvent based ink for plastics designed for Tampo style pad printing.
78	UV cure paste ink dry-offset with good results for a variety of metals.
79	This series of inks is LED and UV-curing. Letterflex with good results for a variety of metals. Extremely fast cure rates from polymerization.
84	UV cure paste for dry offset applications. High pigment content with consistent viscosity offer great results on a variety of plastics. Adhesion is excellent on polycarbonate, polystyrene and some metals.
84-80	UV cure paste dry-offset ink for a variety of difficult plastics and metals. This ink offers specialty characteristics for special plastics (ie: PP, PE), usually if the 94 series is marginally successful.
84-96	UV cure paste dry offset ink for difficult substrates, especially where chemical, tape, and scratch resistance are critical.
85	UV cure paste ink for dry-offset or letterflex, etc, print methods. Higher pigment load and overprintable.
85-97	UV cure paste ink for dry-offset or letterflex, etc, print methods. Higher pigment load and overprintable - for difficult substrates.
85-83	UV cure paste ink for dry-offset, letterflex, letterpress print methods. High pigment and overprintable content with creamy texture for smooth coverage on moderately fast printing systems.
90	UV cure liquid ink for UV Flexographic applications and nonporous substrates.
91	UV cure liquid ink for FlexApex applications and difficult plastics and metals. Excellent results on high speed automated systems.
92	UV cure liquid ink for FlexApex applications on plastics and metals. Excellent results on slower speed automated systems.
93	UV cure liquid ink for FlexApex applications on plastics and metals. Excellent results on slower speed automated systems. This version is overprintable.

Notes: This is only a basic summary of Capex's most popular inks with descriptions for popular usage. Many specialty ink series and clear coats fill in the blanks.

Each series has its own thinner, and when changing series, the print rollers must be cleaned and conditioned thoroughly with the corresponding thinner. Proper conditioning is necessary for optimal printing results. Always test a small amount of ink to determine best results, as results may vary according to machine. All inks exhibit minimum 6-month shelf life. Metallic UV inks are generally offered in 2-part formulations to maximize shelf life.

Printer's Kit

This basic kit is the perfect complement for operator the essential tools and accessories in your area like new.

ITEM #	Description
WU-PLUNGER	One Safety Can Plunger
WU-TANK	One Safety Wash-up Tank
RAGS-CAN	One Capex Safety Rag Can
CGLOVES	100 Capex Disposable Gloves
APRONS	Two Capex Aprons
RAGS	10 lbs. Capex Lint Free Rags
TAPE	One roll Capex Duct Tape
T- WRENCH	One set Looped T-Wrench
N- DRIVER	One Hollow Shaft Driver
O- WRENCH79	One 2-Sided Open End Wrench
O- WRENCH19	One 2-Sided Open End Wrench
L- WRENCH	One Set Long Arm Wrench
HcI	One Case of 1 lb. (1/2 Gallon) HcI
INK BRUSH / SPATULA	One ink Spatula and Ink Brush
WUI	One 1-gallon Can of Wash-up Ink
ALCOHOL	One 1-gallon Can of Denatured Alcohol
SERIES #	One ¼ lb. Tube of Ink
SERIES #	One Pint Container of Ink (selected)



Capex Cleaning Solutions

Cleaner	Description of Cleaner
WASH UP # 4	Our most popular cleaning solution. This proprietary blend of chemicals provides superior cleaning characteristics easily cutting through dried ink wet ink, oil, grease, grime, etc.. Ideal for general clean up of the printing system, for cleaning specialty parts like ink fountain assemblies or for wiping rollers and blankets clean. Normally will not swell, leave a residue or adversely affect elastomers. Powerful enough to prepare metal for painting.
WASH UP # 7	Our good all purpose cleaning solution. This water soluble, biodegradable solution cuts through inks, oils, grease, grime, etc.. Not designed to be used on elastomers, as swelling results. Designed for removing Capex Gravure Protect # 1 from Rotogravure cylinders. Good for general use around factory and household environments in varying concentrations.
WASH UP #'s 8 THRU 12	Our superior all purpose cleaning solutions. Special formulation are all natural and generally considered to be non-hazardous. This water soluble, biodegradable solution cuts through wet or dry inks, oil, grease, grime, etc.. Designed to provide excellent cleaning of printing systems, especially for items such as ink fountains, rollers and blankets. Solution will not swell or adversely affect elastomers when used properly. Comparable with the WASH UP # 4 in strength but slower in
HAND CLEANER	Our wonderful Hand Cleaner cleans and protects hands. 100 % natural, HCl is generally considered safe and biodegradable. Our special formulation is designed to remove wet and dry inks, oils, grease, grime, etc.. It is especially effective for removing UV inks from hands. HCl protects and restores oils to hands and has a pleasant citrus aroma.

Ink Packaging

Our ink packing selection is extensive and priced for whether you are a small business, mid-size company or large corporation, chances are we have exactly what you need.

Metal Tube: ¼ lb (113 g).
 Plastic Cartridges: 1/3-lb (150 g), 12 oz (340 g), 20 oz (567 g)
 Plastic Jars: ¼ lb (113 g), 16 oz (454g)
 Containers: 1 kg (2.2 lb)
 Jugs: 8 lb (3.6 kg)

We also offer cartons.



Photopolymer Platemakers

Capex Corporation is a supplier of the easiest to operate plate making systems in the world. These user friendly systems have everything needed for the production of high quality, inexpensive printing plates for a broad range of printing processes.

Capex Plate Makers have an exposure unit, washout tank, and a drying oven with two drying racks. The complete plate making process can be controlled through an easy to use PLC interface, which stores processing times to help users produce consistent, high quality printing plates every time.

The Benefits are:

- Quick – press ready plates in about 15 minutes
- Safe – no harmful solvents or hazardous waste
- Simple – very easy to use and maintain
- Cost Effective – nothing costs you more than downtime!

When you have a Capex Plate Maker you will never have to wait for printing plates again!

To produce a photo-polymer plate, a previously prepared negative is used with the photo-polymer material and placed in the exposure unit. The negative is held in place by a vacuum and a cover sheet. UV lamps expose the image onto the plate material. The exposed plate material is then separated from the negative and placed onto the plate support in the washout tank. A motor agitates the plate support causing the plate to come in contact with a brush. This action removes any unexposed photo-polymer which is dissolved by the water. The remaining material is the image to be printed.

The plate is then placed into the dryer where any remaining water is removed and final hardening of the plate takes place. Finally the plate is exposed for a second time to finish the surface. The entire process takes less than 15 minutes.

Models are available for plate sizes up to a maximum of 19.6" x 29.9" (500mm x 760mm).



Capex Photopolymer Plates

Standard Plate Materials

Item #	Description	Thickness	Sheet Size		Pack Qty
T8-M	Film Back	.033"	8.27" x 11.69"	(210mm x 297mm) A4	20 sheets
T8-MB	Metal Back	.033"	8.27" x 11.69"	(210mm x 297mm) A4	20 sheets
T8-S	Film Back	.060"	8.27" x 11.69"	(210mm x 297mm) A4	20 sheets
T12-M	Film Back	.033"	11.69" x 16.54"	(297mm x 420mm) A3	10 Sheets
T12-MB	Metal Back	.033"	11.69" x 16.54"	(297mm x 420mm) A3	10 Sheets
T14-M	Film Back	.033"	16.54" x 23.29"	(420mm x 592mm) A2	10 Sheets
T14-MB	Film Back	.033"	16.54" x 23.29"	(420mm x 592mm) A2	10 Sheets
DMST037S1	Film Back	.037"	FlexApex 8.5" x 11.75"	(215.9mm x 298.5mm)	20 Sheets
DMST037S1P*	Film Back	.037"	FlexApex 9" x 12"	(228.6mm x 304.8mm)	20 Sheets
DMST037S2P*	Film Back	.037"	FlexApex 3.54" x 3.35"	(90mm x 85mm)	20 Pcs
DMST037S3P*	Film Back	.037"	FlexApex 3.35" x 2.31"	(85mm x 58.7mm)	20 Pcs
DMST037A1	Film Back	.037"	FlexApex 16.5" x 23.38"	(420mm x 594mm) A2	20 Sheets
DMST037A1P*	Film Back	.037"	FlexApex 16.5" x 23.38"	(420mm x 594mm) A2	20 Sheets

P* = Pre-Exposed

Capex Cleaning Supplies



Capex Handcleaner

This special waterless handcleaner offers exceptional cleaning capacity. In particular, it easily cleans all of Capex's inks, quickly and safely and without drying out your delicate hands. Our citrus based handcleaner is non-hazardous and with a neutral pH value. Just wipe on and wipe or wash off. Smells like light scent of oranges. Best ink handcleaner you can find! Two standard sizes are offered: 1 lb (450 gr) cans and 4½ lb (2 kg) cans (large can needs a dispenser). **Capex Item #: HCl, HC4.5, DISPENSER**



Scrubs

These are special impregnated rags for cleanup. They offer excellent quick cleaning capacity for wiping inks off your hands or from around the printer. They even leave your hands smelling citrus fresh. Problems cleaning ink out of fingernails? Scrubs will do the job. Can be used to clean up spot areas of ink on metal and painted parts around the machine, but not areas where ink will be applied or reapplied (residue can cause problems). Non-hazardous and can be re-used by moistening with a little water. One bucket is commonly offered. **Capex Item # SCRUBS**



Rags

Capex offers our special lint-free rags. Yes, rags are everywhere, but what kind and how good are they? Are they really lint free? Our rags are soft, white, and lint-free (as lint-free as they get). Our rags are smooth and thin to allow best saturation of our cleaning solutions so that your wipe is a smooth wipe of cleaner. Our rags are soft so that the delicate elastomers on the printer rollers and blankets are not damaged when properly wiped. Offered in a standard 10 lb (4.5 kg) box. **Capex Item # RAGS**

Capex Specialty Supplies



Capex Dyne Pen Sets

What are Dyne pens? Capex Dyne pens are designed to help you determine the suitability of a nonporous substrate to receive an ink. For example, you are printing onto polypropylene and are experiencing problems. Why? These pens will help you understand where your polypropylene is coming from and where you need to go for the ink to adhere properly. They help troubleshoot treating systems and are used for quality control. Avoid messy solutions requiring a cotton swab leaving a mess and contamination potential. Our dyne pens are simple to use and the special one-way tips minimize any chance of contaminating the pen. Capex Dyne Pen Sets contain 7 pens, calibration plastics and instructions. **Capex Item # DYNE-PENS**



Plunger Can

This plunger can is a must for all printing operations. It is an excellent way to easily distribute Capex cleaning solutions onto the Capex rags for use around the printing system. Use one plunger for washup and one for alcohol. Use the washup to clean the rollers and blankets. Use the alcohol for cleaning the delicate photopolymer plates.

Capex Item # WU-PLUNGER



C-Blue Gloves

Any disposable glove is like another, right? No, our gloves are chemical resistant, surgical style, gloves that allow tactile feel while working with inks or cleaning solutions. No more worry about trying to use thick gloves with no feel. C-Blue is resistant to all Capex inks and cleaning solutions (gloves should be regularly changed when using Washup #4). Studies show that many people who are in frequent contact with solvents and/or inks (especially UV) show a likelihood to develop dry and cracked skin or allergic reactions. Two common sizes are offered: Medium and Large. Other sizes and thicknesses are available. Gloves are 100% nitrile. 50 and 100 per pack.

Capex Item # C-Blue, C-Blue+

Capex Tapes

Double Sticky Back Tape

This special paper tape offers exceptional tack and is specifically designed for plate and blanket mounting. Its high tack level, chemical resistance, and longevity make this tape an important component for any printing environment. Two common widths are offered: 2" (50mm) and 3" (75mm) wide x 36 yds (32.9m) (0.008" thick). Custom widths also available.

Capex Item #: TAPE-2, TAPE-3

Pad Cleaning Tape

This special film tape offers enough tack value to clean silicone blankets, yet it does not leave a residue that can commonly cause printing problems. Pad print inks and thinners are very aggressive, yet this tape offers excellent chemical resistance and longevity. This tape is an important component to any pad printing environment, especially for those that include automatic pad cleaning systems. Three common widths are offered: 2" (50mm), 3" (75mm), and 4" (100mm) wide x 36 yds (32.9m). Custom widths available.

Capex Item #: TAPE76-2, TAPE76-3, TAPE76-4



Chemical Resistant Tape

This special duct-tape style tape offers exceptional tack value, chemical resistance, and longevity. While this tape can be used in many areas of the printing environment, it is most commonly used in silkscreen and rotoscreen printing. By lining the inside or outside corners of the screens, operators easily eliminate ink leakage possibilities. This tape is an important component for any screen printing environment. One common width is offered: 2" (50mm) wide x 36 yds (32.9m). Custom sizes available.

Capex Item #: RTS1120



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