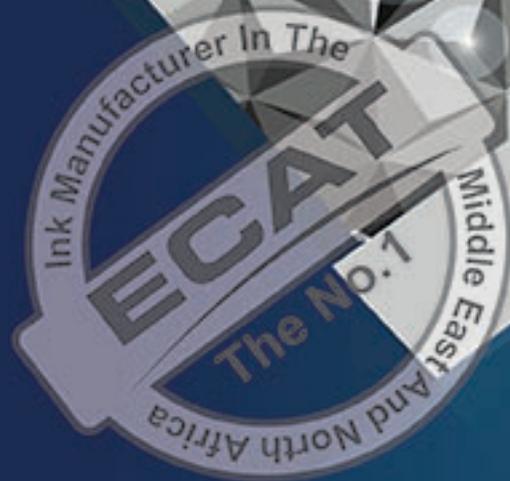




ECAT

ECAT for Paints and Inks (PRIMOCAT) S.A.E.



SINO CORRUGATED 2017

ECAT... the Top of mind brand when it comes to the manufacturing and technical support of the Water based Flexographic ink in the Middle East and North Africa.

The story started since 1993 as a dream to have every brand name or trade mark in Egypt to be printed by environmental friendly ink.

Working hard among the Top producing ink manufacturers wasn't an easy task. Particularly they succeeded to capture more than 60 % of the Egyptian market. The company extended its success to 33 other countries around the world.

ECAT holds the concept that our clients aren't only our customers, but we are their brand partners.

Our Team slogan towards our client is: I make the best button you want because I understand your passion to be the best suit maker.

The key competitive advantage of ECAT is its responsiveness.

We understand what it does mean for a flexography industry to have a patch defect.

So we are equipped by a highly qualified technical support Team 7/24 to support our appreciated client's operation. We look forward to drive the printed world in a environmental green manner globally. We don't claim that we are the oldest Flexographic ink company.

But we strongly claim that we are your reliable partner.

Share us our interest.



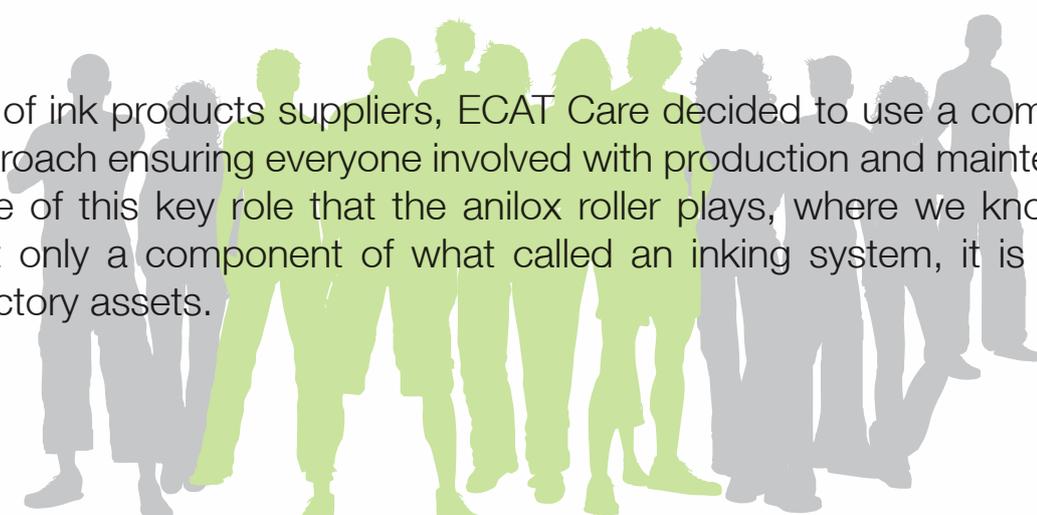
Who we are

ECAT is an independent manufacturer that is leading the Egyptian market in water based flexographic ink and Varnishes for over 20 years (Previously promoted as WAFA Chemical).

Also, the company has significant market presence within Africa, Middle East and some European countries.

Our factory is located at El-Sadat industrial city and was recently expanded and moved to a wider area of 11000 m² and is equipped to produce extremely refined pigments (5 microns and less) and updated equipment laboratories for quality control of both raw material and finished products .

In 2013 ECAT had launched **ECAT care** Co. after 7 years of offering dedicated reliable technical support services for its clients. After lots of research and development ECAT Care team found that companies who adopt the flexography printing technique often face Anilox problems that result in a very poor printing results.



Unlike most of ink products suppliers, ECAT Care decided to use a completely different approach ensuring everyone involved with production and maintenance is fully aware of this key role that the anilox roller plays, where we know that anilox is not only a component of what called an inking system, it is one of important factory assets.

More than **60%** from the Egyptian market

ECAT Around The World

As any great entity, ECAT had planned from day one to release toward the world through competitive product. Today ECAT extended it's succeeded to more than 27 countries around the world.

Where we have a distribution network in this countries to deliver the product on time.



Egypt 1993
Cairo / Elsadat City
+20224472846 / 7



U.A.E 2005
Hamiriah free zone, Sharjah
0097165261018



Sudan 2011
Industrial zone, Khartoum
00249120866626



Jordan2017
the Mwaqar industrial city
00962792314950



Water based Flexographic inks

Our Water Based Inks Cover a wide range of application

Typical Applications	Additional Range of Applications	Special Application & Requirements
<ul style="list-style-type: none"> • Post – print corrugates board 	<ul style="list-style-type: none"> • Coated & uncoated Paper 	<ul style="list-style-type: none"> • Heat Resistant Inks
<ul style="list-style-type: none"> • Pre – print corrugates board 	<ul style="list-style-type: none"> i. Envelops ii. Bags iii. Labels iv. Food pouches 	<ul style="list-style-type: none"> • Water Resistance Inks
<ul style="list-style-type: none"> • Cement Sacks 	<ul style="list-style-type: none"> • Flexible packaging film 	<ul style="list-style-type: none"> • Inks For Non-absorbent Surfaces
	<ul style="list-style-type: none"> • Industrial sacks 	<ul style="list-style-type: none"> • Water Based Inks For polyolefin Surface (PP)
	<ul style="list-style-type: none"> • Paper carrier bags 	<ul style="list-style-type: none"> • Metallic Inks (Gold – Silver)
	<ul style="list-style-type: none"> • Tissue paper & Napkins 	
	<ul style="list-style-type: none"> • Note book lining 	



Color Concentrates

We produce high pigment quality color concentrates, covering the most color indexes for the pigments used in manufacturing water based flexographic inks , enable our clients to be free to adjust their own custom formulations.

Varnishes

Post print varnish

- Opaque varnish

Suitable for all recycle paper (low quality of surface treatment) .

- Clear varnish

Suitable for virgin paper (high grade of seizing)

Designed for fine screen print applications.

Preprint varnish

Special formula has been designed for preprint application

With high heat resistance up to 180° C.

All of varnish types suitable for all kind of metering ink system (rubber roll & chambered Dr. blade)

Water based Over Print Varnishes

We produce high quality water based over print varnishes for graphic arts applications to be used as over print coating layer.

Over The years we were able to develop water based ink formulations that can print on wide range of surfaces and films some are extremely challenging.



Dispensing system

For our customers who consume extensive amounts of ink and require wide range of colors, we offer our most up-to-date ink factory that can be installed at customer at customer facility and can be smoothly operated by any of his employees after a very brief training.

The entire System (Hardware – Software) has produced by ECAT team.

With few buttons to push, the dispensing system along with our high quality color concentrates, varnishes and additives, user can produce high quality ink at his preferred color, quantity and convenient time. With the basic 9 colors pigments up to 5000 colors can be produced.

The system is fully controlled by a computer program that is extremely reliable, accurate and totally user friendly.

In a nutshell it provides you with quality ink at an extreme accuracy and substantial cost saving all at your fingertips and affordable price.



Dispensing system

Why dispensing system

• Quality

- Freshly produced ink.
- Exact match to required colors and production environment.
- Flawless production – just in time delivery – 24 hours supply.
- Consistent ink quality.

• Convenience

- No more purchase orders, follow up or documentation.
- No more stock management and handling.
- No more rework- Formulas are stored on computer with all details even the batch quality.
- System maintenance is available.
- Software can be in Arabic or English interface.
- Better employee safety and environmental working conditions.
- One batch can be as low as 200: 20.

• Cost effectiveness.

- Save supplier production cost .
- From an economical 9 basic color ingredients you can produce up to 5000 ink colors.
- Production of the exact needed ink quantity no waste.
- Using waste ink by re-use of the returned inks.
- Low cost of system maintenance, non-expensive spare parts.



Printing Services & Consultantcy

Anilox Roller.

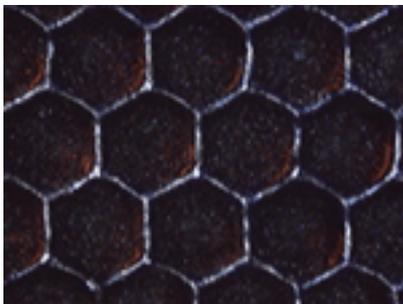
We have solo agency in Egypt for Cheshire the manufacture in England.

For many years the industry standard cell configuration has been 60 degrees. Due to new laser technology improved cell shapes have now been produced. The maxflo has evolved to offer many advantages with ink lay down and improved print quality.

The maxflo still has a 60° angle but with a distinct advantage : By stretching the cell shape the laser no longer focuses at the base of the cell, which in the past had created the conical effect.

Now combination print jobs can be done with one anilox roll, achieving outstanding colour densities in the solid areas and sharp and cleaner vignettes. Increased colour strength can now be achieved using finer anilox roll cell counts to maximize print quality and improve ink mileage.

The cleaning characteristics of maxflo are superior to conventional engravings as there are no deep or narrow cell bottoms to trap ink or coatings which make the cleaning easier and faster. The results have been amazing improving spot colors, reverse text and tone work.



Hexagonal engraving °60



Maxflo engraving

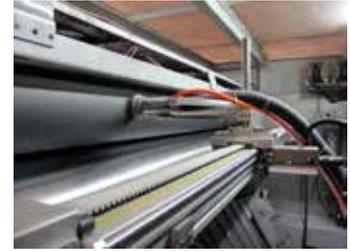


Printing Services & Consultantcy

Anilox Cleaning Services (Dr. Anilox)

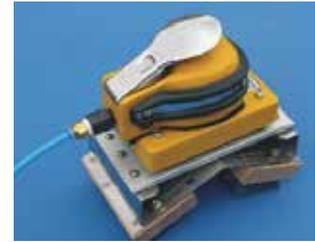
1- Blast air anilox cleaning

Our cleaning media : A relatively new technique used to clean Anilox rollers. A natural, inorganic compound. Its crystalline structure makes it a very effective yet mild cleaning agent. our cleaning media reaches the bottom of each cell without causing damage to the cells or cell walls.



2- Viber plus anilox cleaning

Just spray the roller with ECAT care cleaner and set the tool on the roll. Then turn on the air valve and watch the agitation break loose the dried in ink. It is helpful to periodically dip the brush into a pail of hot water.



3- Cells depth measuring system

The Capatch is a cell volume tester for anilox and gravure full coating rolls. In the printing industry, regularly testing the volume of your anilox or full coating gravure roll is crucial for preventing production losses. Wear, "doctoring".



360
Degree **Services**



Printing Services & Consultantcy

Doctor blade from Radobla Italy



Doctor Blades Steel R1

Thickness: from 0,08 to 0,50 mm

Height: from 5 mm to 90 mm

High carbon steel micro structured suitable for Rotogravure and Flexo printing



Stainless steel Doctor Blades

Thickness: from 0,10 mm to 0,30 mm

Height: from 5 mm to 90 mm

High Quality Stainless Steel, very suitable with water based ink & UV ink

Plastic Racle/Doctor Blades

Thickness: from 0,20 mm to 1,1mm

Height: da 5 mm a 100 mm

Available Materials: Polyester.

Plastic Doctor Blades

Thickness: from 0,80 mm to 2,5 mm

Height: from 5 mm to 2,5 mm

Available Materials: Polyethylene

Diaphragm ink pumps from Changjiang

Diaphragm Pump for Printing Ink Circulation

one way and double way

suitable for all kind of inks.

available sizes :0.5 inch - 1 inch

designed to be used for each of flexogravure and rotogravure printing machine





Printing Services & Consultantcy

Anilox Cleaning tools and cleaners

American Cleaners from Apex

spray anilox cleaner for ceramic anilox and chrome anilox, American made by apex easy for use within 10 minutes for water base ink and solvent base ink.

Indian cleaners from Huper

Deep anilox cleaner as a paste which we can use periodically to clean difficult stains or dried inks.

Anilox cleaning brush

•Stainless Steel Brush:-

Designed to clean ceramic anilox rolls, each bristle is precision refined to .003” diameter to reach into cells and break up dried ink.

•Brass Brush:-

Designed for cleaning chrome cylinders. For use in gravure or flexo.

•Horse hair Plate Brush:-

Specifically for cleaning photopolymer and rubber plates to prevent damage.





Printing Services & Consultantcy

Photopolymer plate making machines

Photopolymer plate making machines are designed to produce the highest quality printing moulds out of flexo and water-wash plates.

Thanks to the innovative technology used in the production of the machines, the platemaking process is fast and clean. The resulting printing moulds are characterized by high resolution as well as excellent and efficient transfer of ink. They are also durable and abrasion-resistant.

These all-in-one photopolymer plate processors handle every step in the platemaking process inside one machine:

- exposure
- washout
- drying
- treatment.



Ecat Care Academy

Our exceptional training ensures that your team members fully understand how to get maximum performance and handle each of the key components that impact the performance of your presses or converting equipment. Training is offered both at your factory and outside your factory at times and places to suit your team. Everyone who attends our press optimization training program receives an individual training.

Our Training Courses

- Basic Program For Technicians.
- Advanced Program For Engineers & Supervisors.

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