IMAF S.p.A., established in 1961, soon became the leading company in the production of chemicals for pre-printing and printing, especially damping solutions and solvent mixtures for cleaning of printing presses. In the years it became also an important reference point for users for the sale of all consumption products for pre-printing and printing.

It is equipped with an extremely advanced automatic plant for the production of solvent mixtures destined to cleaning of printing presses, rubber blankets and films.

A modern and well equipped workshop is also present, which has been manufacturing for over 30 years exposure frames and processing machines for treatment of offset plates, cooling units to handle damping solutions and special equipment for water treatment and recycling.

IMAF production meets with the favour of many photolithographic workshops, photoengravers, photocomposers, printing shops, lithographic shops and publishing houses - both on sheet fed and web press machines - directly serviced from the headquarters in Peschiera Borromeo or from a wide network of authorized dealers, covering the whole national territory as well as 70 countries in the different continents, focusing on Europe, Asia and North Africa.
CONTENTS

PHOTOGRAPHIC DEVELOPERS 3
Photographic developers ........................................................................................................... 3
Photographic fixers ..................................................................................................................... 3
Cleaning products ..................................................................................................................... 3

PRE-SENSITIZED PLATES 4
Plates ........................................................................................................................................ 4
Cleaning of plates processing machines .................................................................................. 4

PLATES DEVELOPERS AND CORRECTORS 5
Plates developers ...................................................................................................................... 5
Correctors .................................................................................................................................. 6

GUMS AND AUXILIARY PRODUCTS 7

PLATES CLEANERS 8

WASHERS 9
Products for commercial, low environmental impact web-offset ......................................................... 9
Newspaper web-offset with low environmental impact ................................................................... 9
Standard products ........................................................................................................................ 9
Specific products, volatile organic and aromatic compounds free, for automatic blanket washers .................................................................................................................................................. 10
Conventional products for automatic and manual washing systems – aromatic free ................. 10
Conventional products for automatic and manual washing systems ........................................... 10
For quick colour changes .......................................................................................................... 11
For U.V. inks and varnishes ....................................................................................................... 14
For rotogravure cleaning ........................................................................................................... 14
For film, polyester and slides cleaning ........................................................................................ 14
Emulsions for plates washing machines ..................................................................................... 14

BLANKETS REGENERATIVE AGENTS AND SPECIAL PRODUCTS 15
Blankets regenerative agents ....................................................................................................... 15
Special and various products ...................................................................................................... 15

CLEANING OF ROLLERS AND WETTING SYSTEMS 16

FOUNTAIN SOLUTIONS 17
Web - offset presses for dailies .................................................................................................... 17
Web offset commercial machines ............................................................................................... 18
Sheet fed presses .......................................................................................................................... 18
For reverse osmosis waters ......................................................................................................... 19
For small offset presses .............................................................................................................. 19
Isopropyl alcohol substitutes .................................................................................................... 19
Auxiliary products for dampling ............................................................................................... 20
Auxiliary products for water recycling systems .......................................................................... 20
Auxiliary products to clean printing machines and printing room ......................................... 20

VARIOUS PRODUCTS FOR PRINTING 21
Blankets kinyo and perfect dot, underblankets, calibrated boards .................................................. 21
Overprinting inks and varnishes .................................................................................................. 21
Special products ........................................................................................................................ 21

FILTERING SYSTEMS 22

REVERSE OSMOSIS SYSTEM FOR WATER TREATMENT IN PRINTING PROCESSES 23

COOLING SYSTEMS 24
COMPOS A11 CONC. 1+2
Photo-developer for treatment of RAPID ACCESS and LINE films. CONCENTRATION 1+2.
High-contrast universal photographic developer, suitable for automatic processing machines and for manual use (tray). In automatic processing machines product is used also as replenisher, in the same dilution used in the tank of the machine. It allows to obtain high density black with no fog and halos. Suitable for contact and reprocamera works. Very good results with photocomposition films, exposed by laser or diode image setters.
Especially developed for AGFA, FUJI and IMAF films.

GRAPHIC 34 CONC. 1+3
Photo developer for treatment of RAPID ACCESS and LINE films. CONCENTRATION 1+3.
UNIVERSAL and ECONOMICAL high-contrast photographic developer, concentration 1+3, suitable for automatic processing machines and for manual use (tray). In automatic processing machine, the product can act also as replenisher in the same dilution used in the machine tank. Formulated for use at high temperatures, high density black with no fog and halos is obtained. Suitable for all kinds of Line and/or Rapid-Access materials.
Product especially studied for AGFA, FUJI and IMAF films.

IMAFIX 890 CONC. 1+3
Concentrated product 1 + 3 for fixing all types of films (Rapid Access & Lith) and film setting papers. Suitable for manual use (tray) and in automatic processing machines.

FILM WASH
Especially developed for cleaning of films, colour slides, screens and magnetic tapes. It immediately eliminates any kind of dirt, such as grease, fingerprints, glue or adhesive tapes residues. It leaves no halos or residues. It contains antistatic additives, which avoid statical electricity and rubbing of films during cleaning operations.
Free from aromatic and chlorinated compounds.
PRE-SENSITIZED PLATES

PLATES

SATURNIA PL
Positive electro-grained green coloured plates suitable in every situation; grain structure with medium-high depth with excellent water retention, even if variously additived. The sensitized layer offers high developability, quick ink acceptance, remarkable resistance to common machine chemicals.
Available thicknesses: 0,15 – 0,30 mm.

ATHENA HS
Positive electro-grained and anodised plate for high runs, with high exposure speed and excellent developability. Wide latitude exposure, high resistance to alcohol damping. Suitable to CtCP. Excellent dot reproduction and high printing quality. Visible image at white and yellow light after exposure.
Available thicknesses: 0,15 – 0,30 – 0,40 mm.

THERMAL ONE
Thermal plates for CtP with excellent chemical-mechanical characteristics. Photopolymer assures very good developability and quick start-up in printing machine.
Available thicknesses: 0,15 – 0,30 – 0,40 mm.

TAROS BLU
Positive blue coloured plate, suitable in every situation. Grain structure with medium-high depth with excellent water retention, even if variously additived. The sensitized layer offers high developability, quick ink acceptance, remarkable resistance to common machine chemicals.
Available thicknesses: 0,15 – 0,20 – 0,25 – 0,30 – 0,40 – 0,50 mm.

CLEANING OF PLATES PROCESSING MACHINES

SOLVINE 400
Its formulation allows to remove chalky build-up on rollers and in tanks of automatic plates developing machines for offset plates.
Ready-to-use.

SOLVINE CTP
Cleaning product for plates processor rollers. Water soluble, it cleans thoroughly rollers from residues left from plates. After application, wash well with water.
Product is an alkaline concentrate, specifically designed to remove diazoic and/or polymer layer residues that form in tanks, rollers, pipes and brushes of automatic CtP plates processor. Any residue that may be left by the product in the developing tank are completely harmless.

SLP ROLLER CLEAN
Product to clean plates processors rollers. Water soluble, it cleans thoroughly rollers from residues left by plates.
After the application, wash off well with water.
**DIAZODEVELOP PS 75**
Ready-to-use developer for positive analogue plates, at controlled action; excellent results are obtained. High resistance to oxidation. Especially recommended for use in plate processing machines. It allows aluminium to be kept extremely clean, thereby ensuring perfect graphical reproduction. Contains substances which prevent formation of chalky build-up and crusting in plate processing machines, keeping rollers and tanks cleaner.

**DIAZOREP PR 100**
Specially designed replenisher for use in plate processing machines, together with developer Diazodevelop PS 75. It ensures excellent replenishment and prolonged use of developing bath, while its effectiveness remains unchanged.

**DIAZODEVELOP P 475**
Concentrated controlled action developer and replenisher agent for pre-sensitized positive analogue traditional plates, allowing quick and thorough development. 1 liter of product must be diluted in 4 liters of water (1+4). In the machine, as replenisher, dilute 1+2.

**DIAZODEVELOP P 975**
Concentrated and controlled action developer and replenisher for pre-sensitized positive analogue traditional plates allowing quick and thorough development. 1 liter of product must be diluted in 9 liters of water (1+9). In the machine, as replenisher, 1+4.

**THERM DEVELOPER GP-10**
Ready-to-use mono component at controlled action developer for positive analogue traditional and CTcP plates. Especially recommended for use in plate processing machines, where it is used both in developer tank and in replenishment. It allows aluminium to be kept extremely clean, thereby ensuring perfect graphical reproduction. Contains substances which prevent formation of chalky build-up and crusting in plate processing machines, keeping rollers and tanks cleaner. Use of this product enables you to eliminate the possibility of over-replenishment. Thanks to its components, it allows to develop high quantity of plates.

**THERM DEVELOPER 830 and 830/A**
Ready-to-use mono-component self-cleaning developer for traditional and CIP thermal plates. Used both in developer tank and in replenishment. It allows aluminium to be kept extremely clean, thereby ensuring perfect graphical reproduction. It contains substances which prevent formation of chalky build-up and crusting in plate processing machines, keeping clean rollers and tanks. Use of this product enables you to eliminate the possibility of over-replenishment. Thanks to its components, it is able to develop high quantity of plates.

**THERM DEVELOPER 830 RIGENERATORE**
Replenisher for THERM DEVELOPER 830. Concentrated replenisher, it allows to reduce replenishment rates, keeping unaltered bath characteristics.

**THERM DEVELOPER PM/A**
Developer for thermal CIP plates. Excellent developing results. It maintains clean plates processor from encrustations, ensuring components protection. High stability. The product is ready-to-use and it can be used both as developer and as replenisher.

**THERM DEVELOPER PM RIGENERATORE**
Replenisher for THERM DEVELOPER PM. Concentrated replenisher, it allows to reduce replenishment rates, keeping unaltered bath characteristics.
**TECNO – THERM**


**THERMA ONE PLUS DEVELOPER**

Ready-to-use and mono-component developer for thermal CtP plates. Excellent developing results. It maintains clean plates processors from encrustations. High stability.

**THERM DEVELOPER IMX**

Developer for thermal CtP plates. Excellent developing results. It maintains clean plates processors from encrustations. High stability. It can be used both as developer and as replenisher.

**NEGA 910**

Ready-to-use product for CtP Violet and photopolymer plates. Solubilization of its not hardened coating is easy and it does not need any strong mechanical action.

**NEGAREP 910**

Ready-to-use replenisher to be used in combination with developer NEGA 910.

**NEGA 2000**

Ready-to-use developer for presensitized negative offset plates. Its formulation allows a quick and full development in short times. The solubilization of the not hardened coating is easy and does not need any strong mechanical action.

**CORRECTORS**

**CORRETTORE FP**

Gel for correction for all pre-sensitized positive plates. Select product, with very low toxicity. The excellent paintability allows a better product spreading, assuring a perfect correction also in difficult areas.

**CORRETTORE P90**

Universal paste product for pre-sensitized positive plates. Their particular solvents makes it effective also on inked and gummed plates.

**OFFSET PEN**

With these corrector pens, available with fine, ultra-fine tip and large spatula, you can remove not required printing areas from the surface of positive plates, after exposing and developing. Liquid contained in the pen deeply penetrates up to the grain porousness, acting at same time as emulsion solvent and making hydrophilic the aluminium.

**CORRETTORE N**

Liquid gel for negative plates, very active in treated areas.
GUMS AND AUXILIARY PRODUCTS

OFFSET SINTETIC GUM
Gum for offset plates for manual spreading, ready-to-use and water-soluble.

GOMMAMATIC
A special solution made of chemically pure synthetic gum with constant composition. Recommended for automatic plates processors, to be diluted 1:1 with water.

GOMMA SOLVENTE 940 CTP
Emulsion to clean and gum offset plates to be kept in storage. Suitable for CtP and CtcP plates. Useful in machines stand-stills. It can also be used as cleaner for plates, improving, in start-up, ink acceptance.

TP 3001
Solution that protects pre-sensitized plates against oxidation during thermo-hardening process in oven.

TECNOGUM
Syntetic finisher gum for offset plate. Studied for use in plates processor, with high protection characteristics against oxidation. It contains the latest developed preserving anti-mould substances and pH stabilizers to prevent bad smell.

NEO GUM
Finisher gum for use in plates processor, with high protection characteristics against oxidation. It contains the latest developed and efficient preservation, anti-mould substances and pH stabilizers to prevent bad smell. Recommended for CtP and CtcP plates.
PLATES CLEANERS

ACTIVAL
Slightly abrasive, highly active emulsion, used to remove oxidation from non-printing zones and to regenerate printing zones of pre-sensitized plates. Highly active.

RAPIDEX N
Abrasive emulsion to clean plates and to remove persistent grease and oxidation. Recommended for stored and thermo-hardened plates.

PREPARECLEANER A 21
Emulsion to prepare offset printing plates. It cleans, degreases and prepares the offset plate. It is recommended for all presensitized plates, both traditional and CtP and CtoP ones.

ACTI U.V.
Emulsion to prepare and wash baked plates in offset printing with U.V. inks. It removes U.V. inks from printing areas. The newly developed formula allows to remove even persistent background fogs which may occur due to a not perfect preparation of the plate. Particularly suitable to re-activate stored plates before re-print.
WASHERS

PRODUCTS FOR COMMERCIAL, LOW ENVIRONMENTAL IMPACT WEB-OFFSET

PRINT WASH 660/45
FOGRA certified for KBA web presses.
Solvent emulsifiable in water, featuring soft smell, medium-low evaporation and excellent cleaning power. Being it emulsifiable, it eliminates at same time both ink fat residues and the hydrosoluble ones of paper. Free from aromatic and chlorinated compounds. It contains corrosion inhibitors. It does not damage rubbers and it does not attack the plates coating. Not flammable product according to laws in force. Suitable for automatic washing systems and for hand use.
Flash point > 61°C.

NATURSOL
Water-emulsifiable solvent mixture, faint odour, low volatility and good cleaning power. Contains corrosion inhibitors. Recommended for use in automatic washing systems.
Flash point > 100°C.

PRE WASH
Imbiber solvent for blanket washer. Emulsifiable in water, low evaporation, good cleaning power. Being it emulsifiable, it eliminates at same time both ink fat residues and the hydrosoluble ones of paper.
 Totally V.O.C. (Volatile Organic Components) free.
It does not damage rubber nor coating of analogue and digital plates.
 Not flammable product according to regulations in force.

PRINT WASH 660/45
FOGRA certified for KBA web presses.
Solvent emulsifiable in water, featuring soft smell, medium-low evaporation and excellent cleaning power. Being it emulsifiable, it eliminates at same time both ink fat residues and the hydrosoluble ones of paper. Free from aromatic and chlorinated hydrocarbons.
It contains corrosion inhibitors. It does not damage rubbers and it does not attack the plates coating. Not flammable product according to laws in force. Suitable for hand and automatic washing systems
Flash point > 61°C.

LITHOWASH PLUS and DAILY WASH
Solvent mixtures with medium evaporation, water emulsible, for use in washing of inking rollers and blankets; they can be used in automatic washing systems and manually.
Flash point 42°C.

SOLVENTE BTA
Solvent mixture with medium evaporation, for use in washing of inking rollers and blankets; slight odour and good active. Suitable for manual and automatic washing systems in medium-large format sheet fed machines. Its special formulation makes the product ideal for printing plates cleaning, without affecting emulsion. Non-emulsible product.
Flash point 42°C.
LITHONET EC and LITHONET M
Water-emulsible solvent mixture. Emulsibility speed enables it to eliminate both residue left by the ink and paper fibres, it reduces efficaciously the evaporation steam and total volume of used product. Suitable both for manual and automatic washing in medium size sheet fed machines.

Flash point > 40°C.

IMAWASH 500
Washing solvent for sheet printing presses. Water emulsifiable. very soft citrus smell, medium volatility, very good cleaning power. Chlorinated compounds free. Suitable to most offset plates. It avoids oxidation and NBR rubber swelling.

TECNOWASH
Water emulsifiable solvent, with soft smell and with excellent cleaning power. Thanks to its low volatility and to the reduced contents of V.O.C., its harmfulness for people and environment is very low. Being it emulsifiable, it eliminates at the same time both ink fat residues and the hydro soluble ones of paper. Free from aromatic or chlorinated components. It does not damage rubbers and plates coating. Not flammable product according to the regulations in force. Suitable for automatic washing but it can be also manually used.

Flash point > 61°C.

PRINT WASH 660/34
FOGRA certified for BALDWIN, MAN ROLAND, HEIDELBERG, & BAUER, KBA, sheet-fed. Solvent emulsifiable in water, featuring soft smell, medium-low evaporation and excellent cleaning power. Being it emulsifiable, it eliminates at the same time both ink fat residues and the hydro soluble ones of paper. Free from aromatic and chlorinated components. It contains corrosion inhibitors. It does not damage rubbers and it does not attack plates coating. Not flammable product according to laws in force. Suitable for hand use and automatic washing systems.

Flash point > 61°C.

LITHOMATIC D 40
Water emulsifiable solvent mixture, featuring soft odour, average volatility, with good cleaning power. Being it emulsifiable, it eliminates at the same time both ink fat residues and the hydro soluble ones of paper. It contains corrosion inhibitors. Suitable for automatic and manual cleaning.

Flash point > 40°C.

LITHOMATIC D 50
Water emulsifiable solvent, featuring low odour, average volatility, aromatic solvents free but with very good cleaning power. Being it emulsifiable, it eliminates at the same time both ink fat residues and the hydro soluble ones of paper. It does not damage rubber nor coating of plates.

CONVENTIONAL PRODUCTS FOR AUTOMATIC AND MANUAL WASHING SYSTEMS – AROMATICS FREE

LITHOMATIC D 50
Washing solvent for sheet printing presses. Water emulsifiable, very soft citrus smell, medium volatility, very good cleaning power. Chlorinated compounds free. Suitable to most offset plates. It avoids oxidation and NBR rubber swelling.

Flash point > 40°C.

IMAWASH 500
Washing solvent for sheet printing presses. Water emulsifiable. very soft citrus smell, medium volatility, very good cleaning power. Chlorinated compounds free. Suitable to most offset plates. It avoids oxidation and NBR rubber swelling.

Flash point > 61°C.
**WASH A 28**
Solvent mixture with medium evaporation, highly effective in washing of inking rollers and blankets. Since it is highly active, it rapidly eliminates inks even when they are hardened; indispensable when moving from dark colour to a light one. Suitable for medium-large format sheet-fed machines. Water-emulsifiable.  
*Flash point 40°C.*

**VELO WASH**
Solvent mixture, faint colour, high volatility and good cleaning power. Given its high-speed evaporation, it is well suited to small offset work. It does not leave rims or residue; is not emulsifiable. Its special formulation makes it ideal for use in cleaning printing plates, without affecting emulsion. Recommended for manual washing.  
*Flash point 4°C.*

**SOLROL**
Degreasing solvent mixture, highly volatile, very active, featuring soft smell. Recommended for surface cleaning of chromed, ceramics, rubber and synthetic material wetting rollers. It leaves no halos or residues. It does not damage rubber; it attacks emulsion both of traditional and CtP plates.  
*Flash point < 1°C.*

**PRINT WASH 660**
FOGRA certified for Sheet-fed KBA, Man Roland, Heidelberg and Baldwin machines. Solvent emulsifiable in water, featuring soft smell, medium-low volatility. Vegetable oils contained in it give the product an excellent cleaning power. Being it emulsifiable, it eliminates at the same time both ink fat residues and the hydrosoluble paper ones. Free from aromatic or chlorinated components. It does not damage rubber and it does not attack plates coating. Not flammable product according to laws in force.

**VIX SOL**
Special gel mixture for quick colour changes; it completely eliminates ink residues both from inking rollers and blankets. Vix Sol penetrates rubber pores, dissolves dried and vitrified inks, without damaging the structure of the rollers or the blankets. It restores natural elasticity and solidity. It damages the emulsion of not baked presensitive plates.  
*Flash point 100°C.*

**VIX SOL PASTA**
Quick colour change paste for inking rollers. Paste is indispensable for colour change and it allows to pass from a strong colour up to a lighter one within short time. Paste penetrates the rubber pores, without damaging its structure. Use it every time that you require perfectly clean and efficient rubber rollers. Very active product, studied to eliminate completely ink residues from ink rollers. Typical smell and very good cleaning power.
## WASHING PRODUCTS

<table>
<thead>
<tr>
<th>PRODUCTS</th>
<th>CLASSIFICATION VBF</th>
<th>APPLICATIONS</th>
<th>INKS</th>
<th>GUMS</th>
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Note: "A" stands for alcohol, "B" for benzene, and "M" for miscellaneous solvents.
### FOuNSTAiON SOLUTiONS

<table>
<thead>
<tr>
<th>COMMERCIAL NAME</th>
<th>PRINTING MACHINES</th>
<th>ADDITIVE DOSAGE %</th>
<th>IPA DOSAGE %</th>
<th>MAIN CHARACTERISTICS</th>
<th>CORROSION INHIBITORS</th>
<th>CERTIFICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>IMAQUA 78 A NRL</td>
<td>Sheet-fed Heatset</td>
<td>2 - 3</td>
<td>8-10</td>
<td>Universal fountain solution for sheet-fed offset printing presses. Suitable for traditional dampening systems with IPA. Economic product not buffered.</td>
<td>NO</td>
<td></td>
</tr>
<tr>
<td>FOUNTAIN 2000</td>
<td>X</td>
<td>2-3</td>
<td>0-10</td>
<td>Universal fountain solution for sheet-fed presses. Effective for soft and medium hardness water</td>
<td>NO</td>
<td></td>
</tr>
<tr>
<td>EXTRA FOUNT CIP</td>
<td>X</td>
<td>2-3</td>
<td>5-10</td>
<td>Universal fountain solution for sheet-fed presses. It allows quick and clean start ups.</td>
<td>NO</td>
<td></td>
</tr>
<tr>
<td>CHIARA FOUNT 36</td>
<td>X</td>
<td>2-3</td>
<td>5 - 8</td>
<td>Fountain solution for sheet-fed presses Recommended from small up to great size.</td>
<td>YES</td>
<td></td>
</tr>
<tr>
<td>CHIARA FOUNT PLUS</td>
<td>X</td>
<td>2-3</td>
<td>0-5</td>
<td>Universal fountain solution to reduce or to eliminate isopropyl alcohol in sheet-fed presses</td>
<td>YES</td>
<td></td>
</tr>
<tr>
<td>FOUNTAIN PU.</td>
<td></td>
<td>/</td>
<td>/</td>
<td>Ready-to-use fountain solution, containing IPA.</td>
<td>YES</td>
<td>FOGRA for Baldwin</td>
</tr>
<tr>
<td>GRAPH- FOUNT 6000</td>
<td>X</td>
<td>2-3</td>
<td>0-10</td>
<td>Universal fountain solution for heat-set web-fed presses without spray bars.</td>
<td>YES</td>
<td>FOGRA for Heidelberg, Man Roland and KBA</td>
</tr>
<tr>
<td>ROTOPLUS 7000</td>
<td>X</td>
<td>2-3</td>
<td>0-10</td>
<td>Fountain solution for heat-set web-fed presses suitable for all wetting systems.</td>
<td>YES</td>
<td></td>
</tr>
<tr>
<td>UNIFOUNT TTK 1500</td>
<td>X</td>
<td>2-3</td>
<td>0</td>
<td>Fountain solution for cold-set web-fed presses suitable for all wetting systems.</td>
<td>YES</td>
<td></td>
</tr>
<tr>
<td>UNIFOUNT TTK 4000</td>
<td>X</td>
<td>2-3</td>
<td>0</td>
<td>Fountain solution for cold-set web-fed presses It allows quick and clean start ups, even after long machine standstills. Suitable for wetting system both spray bar and turbo damping system.</td>
<td>YES</td>
<td></td>
</tr>
</tbody>
</table>

**FOuNSTAiON SOLUTiONS**

- **COMMERCIAL NAME**
- **PRINTING MACHINES**
- **ADDITIVE DOSAGE %**
- **IPA DOSAGE %**
- **MAIN CHARACTERISTICS**
- **CORROSION INHIBITORS**
- **CERTIFICATIONS**

**KEY**

- **CLASSIFICAZIONE VBF**
  - A I = Pint. < 21°C
  - A II = Pint. 21°C < T < 55°C
  - A III = Pint. > 55°C
  - N-VOC = VOC free

- **APPLICAZIONI**
  - HS = Commercial web offset
  - WCS = Dailies web offset
  - SF = Sheet fed offset

- **USO**
  - M = manual washing
  - A = washing with automatic devices

- **COMPONENT**
  - E = it does not contain chlorinated or aromatics components
  - A = it does not contain chlorinated hydrocarbons

- **KEY**
  - E = it does not contain chlorinated or aromatics components
  - A = it does not contain chlorinated hydrocarbons

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IMAFA Fountain Solutions are available in suitable formulations to different water types: soft, medium and very hard ones.
FOR U.V. INKS AND VARNISHES

UV WASH 2600
Product for U.V. inks cleaning, featuring good solvent power and medium volatility, perfectly suitable with rollers made of E.P.D.M. rubbers. Suitable to hand washing and for automatic blankets washers. It damages the emulsion of non-baked pre-sensitized positive plates.
Flash point 80°C.

SOLVA 40
Bivalent washing solvent for blankets and inking rollers cleaning, to be used on printing presses that use both traditional and U.V. inks, with bivalent mixture rollers. It quickly dissolves ink and cleans rollers and blankets, restoring them to their original state. It damages the emulsion of non-baked pre-sensitized positive plates.
Flash point 42°C.

FOR ROTOGRAPHURE CLEANING

PULL 80
Product for use in cleaning rotogravure work area floors.

FOR FILM, POLYESTER AND SLIDES CLEANING

FILM WASH
Highly evaporating solvent mixture for film and polyester cleaning. It immediately eliminates any kind of dirt, such as grease, glue or adhesive tapes residues. It leaves no halos or residues. It contains antistatic additives, which avoid statically electricity and rubbing of films during cleaning operations.
Flash point 4°C.

EMULSIONS FOR PLATES WASHING MACHINES

PLATE MATIC 60
Emulsion with excellent cleaning power, recommended for plate-washing machines to clean traditional inks. To be used with N.B.R. (traditional) rubber rollers only.
Flash point > 61°C.

PLATE MATIC UV
Emulsion with excellent cleaning power, recommended for Plate Washing machines for cleaning of traditional as well as U.V. inks. It damages the emulsion of presensitized not baked plates.
Flash point > 61°C.
BLANKETS REGENERATIVE AGENTS AND SPECIAL PRODUCTS

NOVOCAUCCIÙ
Solvent based quick-acting replenisher for rollers and blankets. It deeply cleans rubber and removes ink marks, stains and so on. It regenerates without swelling, allowing printing to be resumed immediately. Indispensable in colour changes. It damages the emulsion of non-baked analogue and digital plates.

Flash point 15°C.

RIGEN 24
Solvent based quick-acting replenisher for rollers and blankets. It deeply cleans gum and removes ink marks, stains and so on. It regenerates without swelling, allowing printing to be resumed immediately. It damages the emulsion of non-baked analogue and digital plates.

Flash point > 61°C.

RIGEN BG
Solvent based quick-acting replenisher for rollers and blankets. It deeply cleans gum and removes ink marks, stains and so on. Indispensable in colours changes.

ROLL RUBBER REGENERATIVE AGENT (R.R.R.A)
Solvent based quick-acting powerful replenisher for rollers and blankets. Deeply cleans rubber and removes ink marks, stains and so on. Causes slight momentary swelling in rubber. To be used weekly. It damages the emulsion of non-baked analogue and digital plates.

Flash point > 61°C.

ROLLER CONDITIONER
Rollers and blankets replenisher. It is a viscose emulsion, specially designed to restore printing rollers and blankets to their original state, by restoring original elasticity and porousness. The emulsion penetrates deeply, eliminating ink vitrification and residue.

Not flammable.

RIGENERATORE GR-4
Mixture consisting of environmentally low-impact solvents. Quickly effective and medium active. Highly volatile product, it allows to print immediately and properly after using it, because it does not swell rubber at all.

SPECIAL AND VARIOUS PRODUCTS

AQUAMATIC
Concentrated additive for water in automatic blankets washing systems. Product lowers water surface tension to help emulsification with solvent, thereby making it easier to clean the blankets. Prevents formation of algae and chalky build-up; contains powerful metal corrosion inhibitors.
CLEANING OF ROLLERS AND WETTING SYSTEMS

TERGIROL
Concentrated product to clean shrinkable covers on wetting rollers. It removes ink residues that stick to surface and cause veiling during printing. It can be used both manually and in older type roller-washing machines that use solvents. Surface-active agent, 70% biodegradable, foam-stopped.

CRB 10
A product to deeply clean rubber dampening rollers. It removes grease build-up from ink, leaving surface more elastic and water receptive, excellent also for chromed rollers.

It leaves no rim or residue.

SOLROL
Degreasing solvent mixture, highly volatile, very active, featuring soft smell. Recommended for surface cleaning of chromed, ceramics, rubber and synthetics material wetting rollers. It leaves no halos or residues. It does not damage rubber, it attacks emulsion both of traditional and CtP plates.

Flash point < 1°C.

CLEANER DISOSSIDANTE 700
Product to clean inking and dampening rollers. Used weekly, it eliminates the chalky build-up that calcium and magnesium, in fountain solutions, leave in large quantity during printing process on rubbers rollers, causing their hardening.

CLEANER DISOSSIDANTE SRC
Concentrated product to clean inking and dampening rollers. Excellent also for chromed rollers. It eliminates calcareous deposits and deeply penetrates into gum pores, removing ink residues. Used once a week, it restores the characteristic velvet rubber surface. Soft smell, good volatility and excellent cleaning power.

It can damage plates emulsion.

FOUNT CLEAN - DAMPENING CIRCUIT DECRUSTING AGENT
Ink residues, paper dust and other components cause deposits that can encrust wetting systems, reducing their performances. Product is diluted in water, from 1:1 up to 1:9, according to the dirt thickness and it is poured into the fountain solution tank. It is recirculated for 1 – 2 hours.
After having discharged the cleaning product, rinse carefully with water the whole system for many times, up to reaching approx pH 7 or circulate the fountain solution for a short time and discharge.
A considerable improvement in print quality can be obtained using the proper dampening additive:

- quick sliding along the plate
- hydrophilic characteristics of the plate are maintained
- protection from plate corrosion and oxidation
- coating stability and quick adjustment of ink/water balance
- protection from corrosion of printing press
- no formation of algae and salt deposits in dampening circuits
- reduction of paper dust
- pH stability
- reduction of isopropyl alcohol levels
- optimization of surface tension.

Combining water treatment methods like REVERSE OSMOSIS or NANOFILTRATION allows:

- reduced environmental impact
- lower costs.

The product range consists of concentrated additives to meet the different demands of sheet-fed and web printing.

UNIFOUNT TTK 4000

FOGRA certified fountain solution for Cold-set KBA, Man Roland, Heidelberg.
Operating high speed of printing press requires an immediate desensibilization of non printing areas. UNIFOUNT TTK 4000 completely meets this requirement.
Quick start-up thanks to very high uniformity of water distribution on the plate.
Excellent ink transfer and bright colours thanks to reduced thickness of dampening solution film.
It contains modern preserving additives to avoid formation of mildew, algae and bacteria.
Hydrophilic substances efficaciously protect the plate during machine standstills.
It has been tested by European Research Laboratories; its anticorrosive characteristics are among the highest ones of products on the market (approved by Heidelberg, Man Roland, KBA and Wifag).
For waters with hardness from 5°dh up to 14°dh.

UNIFOUNT TK 1500 and TK 1500 SW

Additive for coldset web presses, for all wetting systems, particularly suitable for spray systems.
Effective for softened waters. It keeps stable the pH it allows quick and clean start ups.
It allows to spread a thin and uniform dampening solution film on rollers and plate.
Excellent paper release and minimum quantity of paper and ink residues on blankets.
It contains a high charge of modern bactericides and anticorrosion agents.
WEB OFFSET COMMERCIAL MACHINES

GRAPH FOUNT 6000
Specific fountain solution for pellicular wetting systems of heat set web-fed presses. High stability of ratio water-ink, thanks to emulsion low level. Suitable surface active substances reduce the surface tension of fountain solution, allowing therefore:
- minimal water requirement
- good plate wettability
- alcohol reduction
- no ink accumulation on wetting rollers
- quick cleaning of print image.

No corrosion risk for metallic parts of the printing press. Anticorrosion characteristics are the highest of products on the market. Preservative additives prevent formation of bacteria, algae and mildews.

Suggested for waters with hardness from 5° dh to 14° dh.

ROTOPLUS 7000
Universal fountain solution for heatset web-fed presses FOGRA certified for Heidelberg, Man Roland and KBA. Characteristics:
- additive without gum
- alcohol concentration: 0 ÷ 10%
- effective for soft and medium hardness water
- suitable for all wetting systems
- FOGRA tested and certified for Heidelberg, Man Roland and KBA.
- it keeps stable the pH
- it allows quick and clean start ups
- high stability, thanks to the low level of the emulsion
- excellent paper release and minimum quantity of paper and ink residues on blankets.
- it contains a high charge of modern bactericides and anticorrosion agents.
- last generation components considerably reduce foaming.

SHEET FED PRESSES

CHIARA FOUNT PLUS
Formulated to eliminate the use of isopropyl alcohol; it ensures quick, constant cleaning of every type of plate, it requires low dampening levels. Excellent lubrication of blanket to prevent build-up and facilitate paper release from same. No corrosion risk for metal parts of printing press.
Recommended for use with thermo-hardened plates.

For water from 5° dh to 14° dh.

IMAOQUA 78 A NRL
Universal fountain solution, concentrated, for offset sheet fed machines. It reduces water during printing. Suitable for traditional dampening systems with IPA.
It prevents forming of algae and mildew in printing presses tubes and pipes.

Waters with hardness from 5°dh up to 14°dh.

EXTRAFOUNT CTP
Universal fountain solution, it does not damage photosensitive layer both on conventional and CTP thermal plates. No corrosion risk for metal parts of printing presses nor for conventional and CTP thermal plates. It contains preservative additives to avoid formation of mildew, algae and bacteria. Hydrophilic substances effectively protect plates during machine standstills.
Recommended for use with medium-speed presses.

For water from 5° dh to 14° dh.

FOUNTAIN 2000 and 2005
Additive for traditional dampening systems in sheet-fed presses: especially recommended for TIN PRINTING. Contains preservative additives to avoid formation of mildew, algae and bacteria. Hydrophilic substances effectively protect the plate during machine standstills.
No corrosion risk for metal parts of printing press or for conventional and CTP thermal plates.

For waters from 5° dh to 14° dh.
ALCOFOUnT
Substitute for isopropyl alcohol. Used under the same conditions as isopropyl alcohol.

ALCOPRIN T
Substitute for isopropyl alcohol. Used under the same conditions as isopropyl alcohol.

ALCOFOUnT
Substitute for isopropyl alcohol. Used under the same conditions as isopropyl alcohol.

ISOPROPYL ALCOHOL SUBSTITUTES

IMAFOUnT
Product recommended for small offset work with dampening systems such as Multilith and Rotaprint, where inking roller is immersed into the wetting solution. The product allows you to obtain a quick, optimum balance between water and ink, avoiding fogs/veils, always ensuring a sharp and clean print. Ready-to-use, it can be used also diluted with water at 50%. It does not contain IPA alcohol, it is not flammable and decreases surface tension. No corrosion risk for metal parts of the printing press.

FOR SMALL OFFSET PRESSES

IMAFOUnT 38
Specific fountain solution for reverse osmosis waters. It contains preservative additives to avoid formation of mildew, algae and bacteria. No corrosion risk for metal parts of printing presses. Hydrophilic substances effectively protect the plate during machine standstills. The product has to be used exclusively with RE-HARDENER FOUNT (remineralizer for osmosis waters).

RE-HARDENER FOUNT
Remineralizer for osmotic waters. The product restores the proper hardness (dh 8° - 10°) to water obtained from reverse osmosis systems, making it better suited to offset printing.

FOR REVERSE OSMOSIS WATERS

CHIARA FOUnT 36/D
Universal fountain solution for hard waters, formulated to reduce greatly isopropyl alcohol. Suitable for use in any kind of printing machines, with different wetting systems. No corrosion risk for metal parts of printing presses nor for conventional and CTP thermal plates. It contains preservative additives to avoid formation of mildew, algae and bacteria. Absorbent hydrophilic substances effectively protect plates during machine standstills. Recommended for use with high speed presses. For water besides 14° dh.

FOR SMALL OFFSET PRESSES

CHIARA FOUnT 36
Universal fountain solution for sheet-fed presses - alcohol reducer. Additive containing gum. Alcohol concentration 5÷8%. Recommended from small (excellent for Kompac systems) up to great size. Suitable also with UV inks. Effective for soft and medium hardness water. It keeps stable the pH. It allows quick and clean start ups. It allows to spread a thin and uniform film of wetting solution on rollers and plate, helping the high stability during run. Surface tension reducers and humidifier agents favour a remarkable drop in alcohol consumption.

FOUnTAin P.U.
Ready-to-use fountain solution, obtained from osmosis system, with added salts, additive and IPA.

ISOAL 88
Substitute for isopropyl alcohol. Used under same conditions as isopropyl alcohol.

ALCOPRINT
Substitute for isopropyl alcohol. Used under the same conditions as isopropyl alcohol.

ALCOFOUnT
Substitute for isopropyl alcohol. Used under the same conditions as isopropyl alcohol.
**AUXILIARY PRODUCTS FOR DAMPING**

**DRY INK FOUNT**
Solution to be added to fountain solution, to obtain rapid drying on printed surface, better friction resistance in the ink, less hardened ink residue on gum rollers. Specially designed for not very absorbent paper, recommended for cardboard with high dampness levels, extremely smooth surfaces (Bindakote) labels (transparent decal) and also for flexographic printing.

**SCHIUMA STOP**
Anti-foaming product specially designed for dampening water, compatible with same in terms of both chemical and functional characteristics. Absolutely necessary whenever unexpected foams form in dampening systems.

**AUXILIARY PRODUCTS FOR WATER RECYCLING SYSTEMS**

**BIO CLEANER**
It prevents algae and mildew formation to be used 3 times a week in water recycling tanks of plates processors, of rollers washers, of sponge cleaning and in mixing tanks of cooling groups of dampening solutions.

**ECO NET**
Disinfectant powder or tablet product, to be used twice a week in washing recycling waters of film and plates developing machines, of rollers washers and sponge cleaning.

**AUXILIARY PRODUCTS TO CLEAN PRINTING MACHINES AND PRINTING ROOM**

**FLOOR CLEAN**
Concentrated detergent to clean footboards of printing presses and floors. Its solvent and degreasing action eliminates grease and fats with mineral or vegetal origin. Very effective also for offset ink stains.

**PENTAPOLISH**
Solvent-degreasing detergent to clean painted parts of printing machines. Pure product does not attack paint and it does not make it mat. It eliminates, too, offset ink stains.

**FOLD CLEAN**
Odourless product to clean fold in web offset presses.

**ANILOX CLEAN**
Specific product to remove water flexographic inks from Anilox cylinders. It improves quality of printing and, at same time, it limits the subsequent ink accumulation. Product is neither flammable nor corrosive.

**FOLDYWET**
Wetting product for bending points in heat set web press. Specific product for wetting and softening bending points. The correct application position can be obtained by U.V. lamp.

**ROTO START**
Anti-tearing and anti-dryer product for rotary offset inks. Free from aromatic and chlorinated compounds. It does not damage rubbers nor it attacks plates coating. Not flammable according to U.E. rules.

**NO FRICTION OIL**
Rollers lubricant. High protection on all kinds of rubbers. Easy to be used.

**PROTECTIVE OIL CI-33**
Protective oil with anti-corrosion agents. High protection against corrosion. Suitable for plate cylinders, blanket cylinders, set-off cylinders and all metal components of printing machine.
VARIOUS PRODUCTS FOR PRINTING

PANNO LAVACAUCIÌ
Blanket washer cloth for automatic washing systems; available in m.500 reels and in small rolls m.9.
High absorbance, resistance and softness. It does not leave residues during use.

PANNO TNT BLU
Non woven cloth, embossed, with high resistance and absorbency. It resists to solvents and acids.
It does not leave residues during use. Available in rolls / 488 pulls, cm 40 x 32.

PANNO TNT BIANCO
Non woven cloth, smooth, economic, with good resistance and absorbency.
It resists to solvents and acids. Available in rolls / 729 pulls, cm 40 x 30.

ANTISCARTINO
Anti set offset powders can be used both on spray and electrostatic devices.
Available on following micron dimensions:
mc. 15: suitable for covers
mc. 23: for all uses
mc. 27: it allows the printer the highest control of dispersion degree. Powder for all uses
mc. 50: highest protection against set-off on heavier cardboards, with very hard surfaces

OVERPRINTING INKS AND VARNISHES
Mineral and vegetal, fresh and oxidative 4-colour articles, PANTONE colours – black – covering white – transparent white – transparent varnish – overprinting offset varnishes and acrylic for wetting cylinder and ink duct.

CLEANER SG-83
Detergent and anti-oxidant solution for offset negative plates.
FILTERING SYSTEMS

DEV CLEAN
Filter system, external and continuous for developer of CtP thermal and photo-polymer plates, to work with plates processor.
This device, innovatory and long tested, filters the developer that continuously circulates at first in a filtering column, containing inert substances, afterwards in a cooling group that, together with that one of the plates processor, keeps constant the temperature, thanks to a reduction of the inactivity times, helping in keeping cleaner the product.
The advantages of this system are the following ones:
- extension of the service life of developer and, therefore, lower costs of this one and of product itself to be disposed
- deeper cleaning of plate bottom
- deeper cleaning of tank and rollers, reducing also the maintenance cost
- more constant developer temperature
- pressure switch for functioning control
- signal warning light of filtering elements exhaustion
- filtering column can be easily replaced.

Electrical connection: 220v / 50-60 hz. Dimensions: width cm. 47, depth cm. 76, height cm. 75.

DAMPING CLEAN – DAMPING CLEAN WEB
DAMPING CLEAN ROTO
Filtering systems, external and continuous, of damping solution in printing presses to be connected to cooling group.
This equipment, innovatory and long tested, filters the damping solution that continuously circulates in a filtering column containing inert substances, therefore keeping it clean for long time.
The advantages of this system are the following ones:
- Extension of the service life of damping solution and, therefore, lower costs of this one and of product itself to be disposed
- Deeper cleaning of damping circuits
- Deeper cleaning of cooling group tank, reducing also the maintenance cost
- Signal warning light of filtering elements exhaustion
- Filtering column can be easily replaced

Electrical connection: 220v / 50 hz.
Dimensions: width cm. 47, depth cm. 76, height cm. 75.
Inverse osmosis system for water treatment in printing processes

The benefits to using water treated with an INVERSE OSMOSIS process are:

- Salinity levels reduced 95 – 98%.
- Better water/ink balance.
- Reduced oxidation in wetting rollers.
- Absolutely no chalky limestone build-up or deposits.
- Water is bacteriologically pure, therefore free of algae and mould formation.
- Cleaner blankets surface.
- Excellent print quality.
- Water waste reduced to 30 - 35%, by means of proportional control.

**Simplicieux 110-40**

- Strong steel framework.
- Plastic container tank for 110 lt.
- Osmotic productive unit for 40 lt/h.
- Check device for water conductivity leaving membrane.
- Water boosting unit to cooling groups for storage water – 2,2/4 BAR adjustable.
- Filtering groups with one activated carbon cartridge plus a foam polypropylene one.
- Pump for salts automatic dosage.
- Safety device switching off, failing tap water.
- Outflow container.
- Manual pick up of treated water.

**Simplicialis 310**

- Strong steel framework.
- Plastic container tank for 300 lt.
- Osmotic productive unit for 105 lt/h. Optional possibility of installation up to 3 productive units.
- Check device for water conductivity leaving membrane.
- Water boosting unit to cooling groups for storage water – 2,2/4 BAR adjustable. Optional possibility of a 2nd booster group.
- Filtering groups with one activated carbon cartridge plus a foam polypropylene one.
- Pump for salts automatic dosage.
- Safety device switching off, failing tap water.
- Manual pick up of treated water.
GRS 100
It’s a newly developed closed-circuit Cooling System, completely automatic and electronic with programmable parameters.
Conductivity and pH reading with automatic additive replenishment.
Automatic checking and replenishment of alcohol percentage (optional).
Flashing and acoustic signal for each anomaly found and shown on the display:
- empty replenishment tanks
- pH out of programmed limits
- alcohol out of programmed limits
- temperature not reached.
GRS 100 is equipped with a plastic insulated tank, which grants a low temperature loss.
Ecologic gas refrigerating system.
A pump allows to serve the delivery taps of each printing group
A VENTURI System for the forced backwater lets the water passing through a mechanical filter before the going back to the mixing tank.
GRS 100 system is suitable for 6 printing groups max. size: 100X140 cm., or for 4 printing groups size: 120x160 cm. and more.

GRS 25
This modern, closed-circuit cooling system offers a high degree of heat exchange, thereby allowing for a small-sized tank and equipment.
Tank is made of propylene, to ensure low temperature dispersion.
The high-performance cooling module uses ecological natural gas.
The return system eliminates any foaming problems in the refrigeration unit and the machine. One pump sends water to the printing press trays and one sends water to the cooling circuit. Supply to trays can be regulated.
GRS 25 : suitable for 2 printing units with a maximum format of 40x50 cm., or for 1 printing unit with a maximum format of 50x70 cm.
Dimensions: width cm. 63, depth cm. 60, height cm. 57
Tank capacity : lt 25