



Lysis Technologies Ltd.

*Innovation is our Business*



*Graphics & Coatings*  
*Bespoke Printing Ink Manufacturer*  
*Research & Development*

*Lysis Technologies is Awarded as One of the  
100 most Innovative UK companies*

**INNOVATE**

**GREAT**  
BRITAIN & NORTHERN IRELAND

## SCREEN PRINTING INKS

### UNIVERSAL SCREEN PRINTING INKS

<b>002 SS Universal Two Pack</b>	Suitable for a very wide range of materials: <b>Glass, Plastics, Metals and Wood</b> , giving prints with outstanding chemical, physical and mechanical properties
<b>612 SS Universal Plastic</b>	Dries by solvent evaporation to give a glossy print with excellent adhesion
<b>435 SS Two pack (Solventless)</b>	Designed to meet very strict environmental specifications in the workplace and its surrounding area.
<b>SCREEN PRINTING INKS FOR GLASS</b>	
<b>002 SS Two Pack</b>	Universal two pack ink for <b>Glass</b> and others (see above)
<b>233 SS Glass</b>	Suitable for many print applications where 002 has failed to adhere due to <b>glass coating</b> or <b>spray lacquer</b> . Product resistance will not be as good as product 002.
<b>361 SS Glass HB</b>	Ink with very strict environmental specifications in the workplace and environment

### SCREEN PRINTING INKS FOR METALS

<b>002 SS Two Pack</b>	Universal two pack ink for <b>Metals</b> and others (see above)
<b>088 SS Cans</b>	Cures by chemical reaction to give a glossy print that adheres well.
<b>434 SS Coated Metal</b>	Cures via chemical reaction with a glossy print on pre-treated substrates

### SCREEN PRINTING INKS FOR PLASTICS

<b>002 SS Two Pack</b>	Universal two pack ink for <b>Plastics</b> and others (see above)
<b>035 SS Acrylic</b>	Formulated for printing on <b>Acrylic</b> .
<b>274 SS Nylon</b>	Designed for printing on <b>Nylon</b> .
<b>016 SS PE (pre-treated)</b>	Designed for printing on <b>Polythene</b> and <b>Polypropylene</b> .
<b>207 SS PET</b>	Formulated for printing on <b>PET</b> .
<b>007 SS Polycarbonate</b>	Designed for printing on <b>Polycarbonate</b> .
<b>027 SS Polyester</b>	Designed for printing onto <b>Polyester</b> . One pack system
<b>018 SS Polystyrene</b>	Designed for printing on <b>Polystyrene</b> .
<b>192 SS PP (untreated)</b>	Designed for printing on <b>Untreated (UT) Polypropylene</b> .
<b>016 SS PP (pre-treated)</b>	Designed for printing on <b>PE</b> and <b>PE</b> .
<b>347 SS PUR</b>	Designed for printing on <b>Polyurethane</b> .
<b>028 SS PVC</b>	Formulated for printing on <b>PVC</b> .

### SCREEN PRINTING INKS FOR RUBBERS

<b>318 SS Balloon Latex</b>	Designed for printing onto rubber balloons.
<b>319 SS Balloon Foil (UT)</b>	Designed for printing onto <b>non lacquered foil balloons</b> (usually silver)
<b>320 SS Balloon Foil (PT)</b>	Designed for printing onto <b>lacquered foil balloons</b> (usually coloured).
<b>093 SS Rubber</b>	Formulated for printing onto <b>Rubber</b> .
<b>168 SS Rubber TPU</b>	Two pack for printing onto <b>rubber</b> for outstanding chemical, physical and mechanical properties

### SCREEN PRINTING INKS FOR OTHER SUBSTRATES

<b>123 SS Leather</b>	Designed for printing on <b>Leather</b> .
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## PAD PRINTING INKS

### UNIVERSAL PAD PRINTING INKS

<b>090 Pad Universal Two Pack</b>	Suitable for a very wide range of materials: <b>Glass, Plastics, Metals and Wood</b> , giving prints with outstanding chemical, physical and mechanical properties
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### PAD PRINTING INKS FOR GLASS

<b>090 Pad Universal Two Pack</b>	Universal two pack ink for <b>Glass</b> and others (see above)
<b>215 Pad Glass</b>	Suitable for many print applications where 090 has failed to adhere due to <b>glass coating</b> or <b>spray lacquer</b> . Product resistance will not be as good as product 090.

### PAD PRINTING INKS FOR METALS

<b>090 Pad Universal Two Pack</b>	Universal two pack ink for <b>Metals</b> and others (see above)
<b>267 Pad Cans</b>	Cures by chemical reaction to give a glossy print that adheres well.

### PAD PRINTING INKS FOR PLASTICS

<b>090 Pad Universal Two Pack</b>	Universal two pack ink for <b>Plastics</b> and others (see above)
<b>115 Pad Acrylic</b>	Formulated for printing on <b>Acrylic</b> .
<b>080 Pad PE (pre-treated)</b>	Designed for printing on <b>Polythene</b> and <b>Polypropylene</b> .
<b>212 Pad PET</b>	Formulated for printing on <b>PET</b> .
<b>316 Pad Polycarbonate</b>	Designed for printing on <b>Polycarbonate</b> .
<b>086 Pad Polystyrene</b>	Designed for printing on <b>Polystyrene</b> .
<b>225 Pad PP (untreated)</b>	Designed for printing on <b>Untreated (UT) Polypropylene</b> .
<b>080 Pad PP (pre-treated)</b>	Designed for printing on <b>PE</b> and <b>PE</b> .
<b>096 Pad PVC</b>	Formulated for printing on <b>PVC</b> .

### PAD PRINTING INKS FOR RUBBERS

<b>308 Pad Rubber</b>	Formulated for printing onto <b>Rubber</b> .
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### PAD PRINTING INKS FOR OTHER SUBSTRATES

<b>105 Pad Leather</b>	Designed for printing on <b>Leather</b> .
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For certain applications modification of standard inks is necessary and to meet such situations a range of solvents, antifoams, gellants etc are readily available.

ADDITIVES & SUNDRIES



Lysis Technologies' has engineered CLEANING-SOLVENTS and THINNERS exhibiting an outstanding balance between reduced costs, reduced environmental impact, safer working conditions and legislation compliance.

**PLEASE CHOOSE YOUR PRODUCT FROM OUR WEBPAGE: [www.lysistechnologies.com](http://www.lysistechnologies.com)**

Our range of screen printing inks are made using pigments that give good colour opacity on white and pale coloured substrates and these inks comply with current legislation.

COLOUR & OPACITY

However, when opacity is of paramount importance and the specification allows, then formulations with even higher opacity can be provided.



# LYSIS TECHNOLOGIES LTD.

*Permanent Graphics & Coatings for  
the Rotational Moulding industry*



## WHAT CAN WE DO FOR YOU?

Dear Customer,

Lysis Technologies Ltd has developed a range of cost effective technologies for the rotational moulding industry as they relate to Decoration/Marking or Branding of Polyolefin products. We can formulate and manufacture custom built technologies to meet your specific requirements with the aim of adding extra value for your products at minimum costs.

Our range of products include IN-MOULD and ON/POST-MOULD (direct printing on plastic product) graphic systems which are applied via various methods, such as coating, stenciling, stamping, painting or screen printing.

We have developed a revolutionary technology that enables the direct product application onto polypropylene (PP) or polyethylene (PE). Pre-treatment of these materials is not any more a prerequisite and saves on costs and process time.

In this case, functionality coatings can also be introduced to your products. Examples are light blocking, antimicrobial, antistatic and conductive, as well as anti-slip or just decorative ones such as metallic, glitter or gloss/matt finishes.

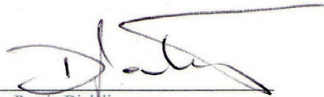
We are building a close relationship with our customers as we trial and commission at their premises.

Lysis Technologies is a member of the British Plastics and British Coatings Federation.

If you require any further information regarding our products or how Lysis Technologies Ltd could serve your requirements, please do not hesitate to contact us via phone: +44 (0)1425 200 461 or by email [info@lysistechnologies.com](mailto:info@lysistechnologies.com)

We are looking forward to hearing from you.

Offering you our best service at all times.

  
Dr. Ramin Djalali  
Managing Director



*One of the 100 most Innovative UK  
companies*

**INNOVATE 2015**





# LYSIS TECHNOLOGIES LTD.

*Permanent Graphics*

**IN-MOULD**



Our In-mould graphics are of exceptional quality and durability are in use by established rotational moulding customers for many years now.

**Marking/  
Stencilling**



**Stencil and  
roller brush**

**Branding**



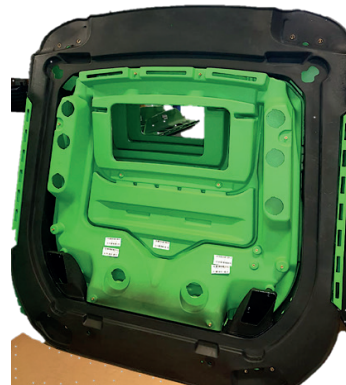
**Screen print**

**Decorating**



**Painting/  
Brushing**

**Coating  
Metal effect  
in-mould spraying**



**Spraying**

**Branding**



**Stencil with  
roller brush**

- Simple and Quick Method
- Quick lead time
- No minimum order

- Very Cost effective
- Excellent Technical Support
- Food Contact Approved

[info@lysis technologies.com](mailto:info@lysis technologies.com)

[www.lysis technologies.com](http://www.lysis technologies.com)

[www.tesoplas.com](http://www.tesoplas.com)





# LYSIS TECHNOLOGIES LTD.

## Permanent Graphics



### ON-MOULD

- Amazing effects: glitter, neon, gold, silver, metallic...
- Multicoloured designs
- Solvent, Acid and scratch proof,
- Solvent Free and Food contact approved (oil based, flame/mechanically cured)



*On mould graphics with gloss roller and stencil. Single or multi coloured*



*Marking/ Branding with  
Screen-Printing*



*3D highlighting*

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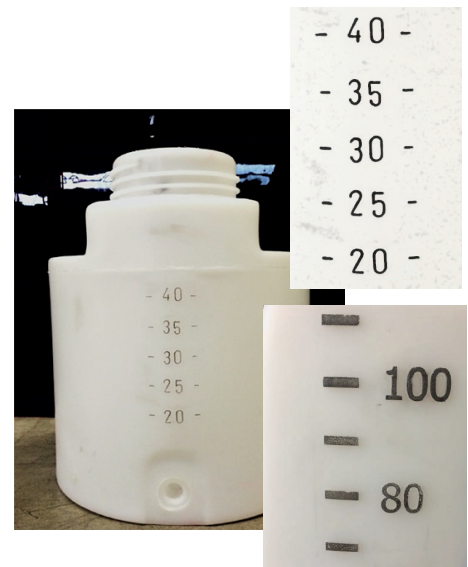
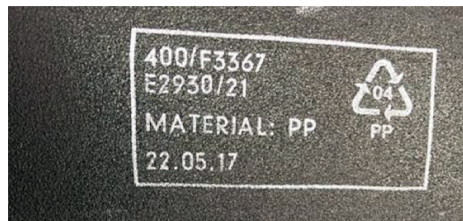
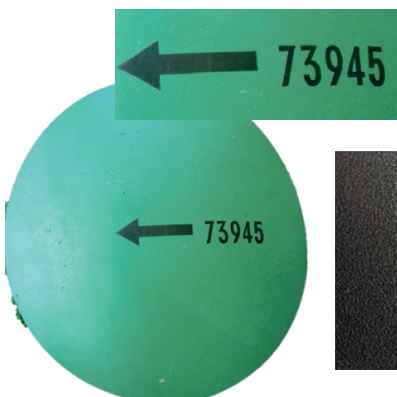
# LYSIS TECHNOLOGIES LTD.

*Revolutionary roller stamp  
printing*

**ON-MOULD or IN-MOULD**



**Marking with the Roller Stamp is Quick and stable.** Comes in various dimensions. Ideal for single colour graphics. Use it for **branding, marking, serial numbering and coding, decorating** and many more!



*ON-MOULD NUMBERING LOGOS AND INDICATIONS*

*ON-MOULD VOLUMETRIC INDICATIONS and highlighting*

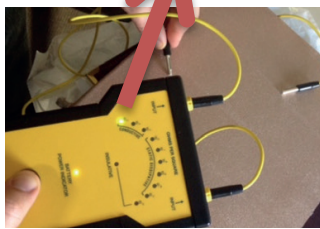
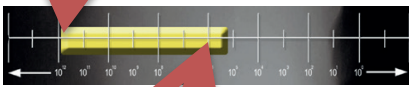


# LYSIS TECHNOLOGIES LTD.

*Functional Coatings*  
**ON-MOULD or IN-MOULD**



## Anti-static also in colours!!!



## Light blocking

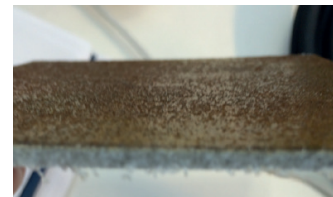


*Flower pot  
with light*

## Antimicrobial



## Anti slip



More Coatings can be found in this range. Many ways to apply it: *Spray it, brush it, Roll it on.....*

## *Enhancing Products* **Aerosol free Surface enhancer**



- **Environmentally friendly**
- **Safe** worldwide shipping
- Use it as is with brush applicator or
- thin it down and spray it on the mould
- **No aerosols** or volatiles
- **No unnecessary cans discharge**

Other Tesoplas products that can serve the industry are: *surface primers, top coats, special effects graphics, adhesives etc.*

[www.lysistechnologies.com](http://www.lysistechnologies.com)

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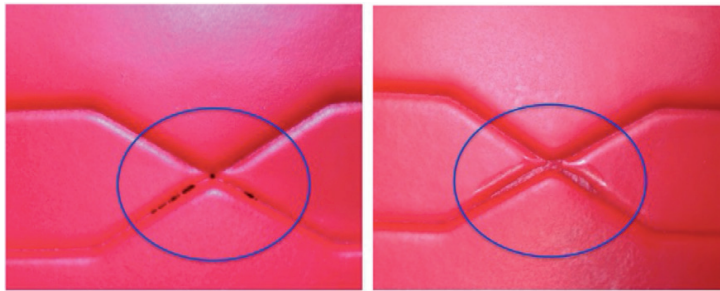




# LYSIS TECHNOLOGIES LTD.

Enhancing Products

**Repair Paste**



BEFORE

AFTER



BEFORE

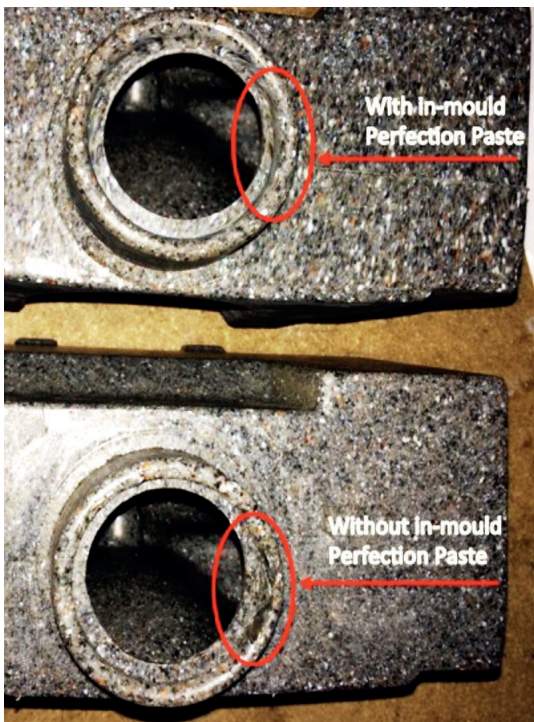
AFTER

## On-Mould REPAIR PASTE

Cosmetic Repair of poorly moulded parts for a perfect appearance **AFTER** manufacturing!

- **Cosmetic Repair**
- **No more waste or scrap**
- **Less Costs**
- **Customised Colours**
- **Playdough® consistency for easy application**

## Perfection Paste



## IN-Mould PERFECTION PASTE

Insert a pliable form of polyethylene material inside your mold to avoid incomplete shapes or threats.

- **Immediate correction of flow issues**
- **No more scrap or waste**
- **Customised Colours**
- **Reinforced Inserts**
- **Improved 3D Letterings**
- **Playdough® consistency for easy application**





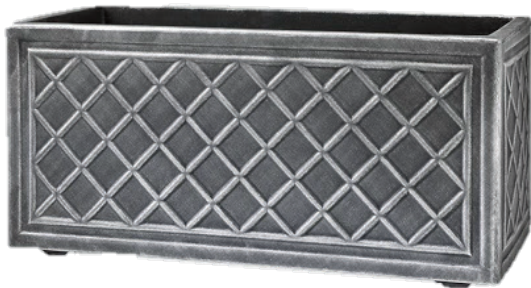
# LYSIS TECHNOLOGIES LTD.



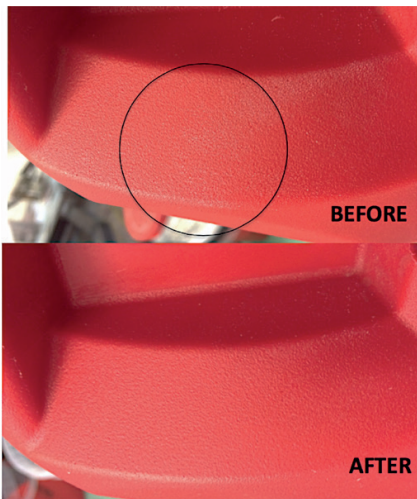
## *Enhancing Products*

### *PE Polish special effects*

Apply it post-mould on rotational, injection or blow moulded parts to give this extra special finish



### *PE Polish masking and corrections*



White marks can be masked with a clear **PE polish** (or colour matched).

Product appearance is improved.

The polish comes in 3 different types: gloss, semi matt, matt.

Other Tesoplas products that can serve the industry are: *surface primers, top coats, special effects graphics, adhesives etc.*



# LYSIS TECHNOLOGIES LTD.

*Stamps and auxiliary systems*

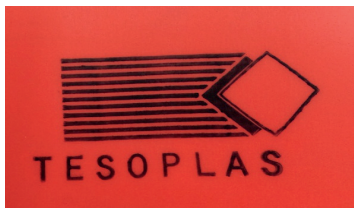


## Stamping

**ON-MOULD or IN-MOULD**

Logos, date stamps, hazard warnings, regulatory info, sequential numbering are easily realised with a simple stamping process.

**Simple, Quick method, very Cost Effective**




*Logos*



*Large or small Serial numbers*



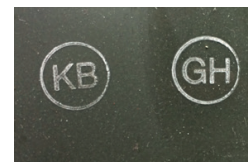
*Office stamps customised for both on-mould and in-mould printing*

 **Lysis Technologies Ltd.**  
Graphic Solutions for the Plastic Industry

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Fax +44 (0) 23 8075 0253

*Multicoloured stamps*



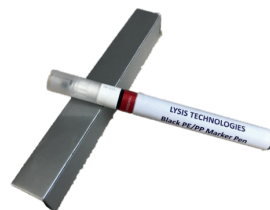
*Initials and coding*

## Writing on PE and PP

### Also used as correction kit

Cosmetic defects of final product due to powder contamination can be masked using our **on mould repair kit**.

Apply it with a brush tool or marker pen. Just write on PE or PP!!!. It stays forever!



- Colour matched
- Simple and Quick Method
- Huge Cost Savings
- Reduced Waste

## STANDARD COLOUR CHART



These colour patches are only representations of our standard colour range. Colours are also matched towards RAL or Pantone colours.

**LYSIS TECHNOLOGIES LTD.**, awarded as one of the top 100 Innovative UK companies in 2015, are Europe's leading producers of specialised printing inks, paints and coatings for challenging substrates.

Together with our **TESOPLAS** product range for injection and rotational moulding processes, we have been serving a wide range of industries with ink systems suitable for almost any material. These include: *PET, Polypropylene (treated or untreated), PVC, Polyester, Nylon, Polyethylene, Glass, Metal, Latex, Rubber, Acrylic, Polyurethane foams, ABS*, and many more.

Industries for which our products are used are: *cosmetics, spirits, marine, automotive, fashion, tableware*, etc.

Our inks and coatings are suitable to be applied in many ways: screen and pad printing, rolling, stamping, brushing on, spraying etc. Special effects are achievable such as 3D, Braille, glow in the dark, thermo chromic, metallic, fluorescent etc.

Our team is highly skilled in chemistry and engineering. We focus on the uniqueness of every request and we follow R&D approaches. Our products can be customized to our clients' needs and operations.

Product Formulations and Systems are created, based on scientific research and via understanding of technical issues.

***Our aim is to satisfy customer needs by adding value  
to their products, which is achieved through collaboration,  
innovation and direct communication***

Follow us on:



@LysisTechnologi

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**TESOPLAS**

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