



# INSTITUTE OF MATERIALS FINISHING



**The Institute would like to wish its Members and Sustaining Membership Companies, a very Merry Christmas and Happy New Year.**



Recently the Institute was represented at two significant exhibitions.

For the first time a Product Finishing Road Show was held at Southampton and whilst attendance was not exceptional some useful contacts were established and it gave the opportunity for our new Administration Manager, Helen, to meet members from the locality and to recruit some new Sustaining Members.

The recent 2 day exhibition and seminar at the Advanced Engineering show at the NEC where we displayed the 'Ask the Expert' theme proved to be very successful and we had many enquires which covered both current needs on plating processes as well as companies designing new product launches for 2018-2020 who wanted to know what plating/finishing chemistry was likely to be 'current' giving due regard to regulation changes. We also had some prestigious companies like BMW automotive division asking about training courses. The show also contained many 'composite' manufacturers and we had good integration with them and the many issues and differences there are from the coating of metallic substrates. The overall theme that ran through the 2 days was that there is a REAL need for companies to be able to have their employees at all levels trained and 'Badged' to ensure their quality standards were maintained. The Marketing committee will continue to try to find other like events at which we can promote the IMF and its strengths.

## Message from the editor

Since early 2013 we changed our name and became the Institute of Materials Finishing.

Whilst Surface Finishing is an essential area for the IMFormation newsletter it is available for companies who product new materials, not necessary metallic, like the press release in this current edition on Sealants and Adhesives.

The opportunity is there for companies and technologies to join us both as individual members and as sustaining company members.

## Health, Safety and Environment

### REACH

The EU Commission sparks controversy with authorisation proposals.

These could make it easier for companies to prepare authorisation applications and increase their chances of success

The proposals were criticised by several member states whilst others gave cautious initial response. The European Environmental Bureau chemicals policy officer, Tatiana Santos, said the proposals "aim to make it easier and cheaper to achieve authorisation...whilst under minding REACH's goals of protection, the phase-out of substances of high concern and the promotion of substitution by safer chemicals"

## Company News & Products

### Hart Materials Limited

After nearly ten years, the company has moved to the recently refurbished Technology Centre in Planks Lane, Wombourne but will be retaining their current telephone number, email and website. Commented Dr Tony Hart, "We moved because we out grew our office space and did not have an integral warehouse. Our new facility rectifies both problems."

The much improved facilities has given Hart Materials Limited a more economical and efficient distribution of powders, in which the company specialises.

Further, it will catalyse the expansion of the range of products. Work is already in progress to produce two nickel-based products in powder form, one containing a small amount of silicon and another that also contains a small amount of chromium. In addition work to provide a range of silver-coated particles on powder substrates.

For further information please contact Tony Hart. Tel: 0044 (0)1902 89546

### Layton Technologies Ltd Component cleaning to ASTM G93-03

Cleaning for Oxygen Service is closely defined as the removal of combustible contaminants from the surface of any equipment or system in oxygen service. This needs to include all components that make up any assembly.

Recognition of oxygen's reactivity has led to ever more stringent requirements regarding cleanliness of equipment in oxygen service.

Layton technologies have the necessary expertise and knowledge to help companies up-to-date with the regulations.

For further information Tel: 01782 370400 or via the website [www.laytontechnologies.com](http://www.laytontechnologies.com)

### McAree Engineering

This company one of Ireland's leading outsource sheet metal fabricating company, based in Ballinode in Northern Monaghan. It has recently introduced spray painting and powder coating to its production processes, in order to expand the business into the production of finished or part finished components as well as sheet metal production.

Having achieved ICOR accreditation for paint finishing, the company decided to invest in a state of the art coating facility and, with advice from Riley Surface World, the company invested in a shot blasting, spray painting and powder coating equipment previously surplus to requirements from the UK.

The equipment was installed in McAree's new purpose built designed facility alongside their existing factory.

Once fully operational, the new facility will provide extra services to existing sheet metal customers, as well as attracting new sub-contract projects from Ireland, the UK and rest of Europe.

Vincent McAree, project manager, believes they have received excellent value for money for high quality equipment from Riley Surface World and he was impressed by the first class customer service shown by their support team.

Further information visit: [www.mcaree-eng.com](http://www.mcaree-eng.com) or Riley Surface World at: [www.rileysurfaceworld.co.uk](http://www.rileysurfaceworld.co.uk)

### Hodgson Sealants

This East Yorkshire based company has invested in a state of the art hybrid polymer mixing machine and cartridge filling line to support growing of hybrid and adhesives. It follows the purpose build laboratory which enables them to focus on testing substances and formulating sealants and adhesives tailored to customers' requirements.

The company specialises in sealants and adhesives based on silicone, hybrid, acrylic and butyl technologies. State of the art touch screen mixing allows flexibility and versatility to mix a range of

products with variable characteristics – colours to match substrates.

Charles Hodgson, Managing Director said “We have a strategy of broadening our technology base to appeal to a wider range of customer markets. This investment in mixing and filling equipment takes us right up to date with the most innovative technology in the market today”

Further information Tel: 01482 337145

Email: [sales@hodgson.com](mailto:sales@hodgson.com)

## Enthone

Enthone, Connecticut USA has been granted a European patent for chromium free etches for plastic substrates. Specifically, the intellectual property covers chemical processes for the pre-treatment and etching of plastic surfaces. Similar patent applications are pending in the USA.

This could be beneficial to those companies who use the chromic acid etch system, subjected to control under the REACH regulations.

Further information contact Andrew Barlow Tel: 017831 38617, email: [abarlow@enthone.com](mailto:abarlow@enthone.com)

## Nasmyth Group

Established in 2003, this Group brings together a team of collective expertise, resources and technology of 14 customer-orientated precision engineering businesses.

It is receiving a substantial growth in demand for its metal surface treatment and finishing technologies for which it has four such companies within the UK

## IMF News

### New Members

#### Affiliate (AssocIMF)

Billinghurst, Mari )  
Blaine, Heather ) Interplex PMP Ltd  
Mather, David )

Connell, Devah )  
Soar, Daniel ) PMD UK Ltd  
Smith, Ryan )

Filip, Benjamin Ottewill Silversmith

Moore, David Nicholson's Sealing Technologies

Patel, Vinesh Atotech UK Ltd

Rab, Malgorzate Amfin

## Education and Training

In the June edition of IMFormation it was stated that the Chairman, Mike Smith was working on the introduction of a Functional Plating Course. It is good to report that this course is now part of our Education & Training availability. The first course was held at British Metal Treatments and we are pleased to congratulate Patrick Killeen and Stephen McGivern who passed the examination with Distinction and have received a Functional Plating Course certificate.

## Examination Results Held 7<sup>th</sup> October at Exeter House

### Foundation Certificate

Arnold, Robert #	Abbey Metal Finishing
Bennett, David	Russell Laboratories
Berrie, Michael *	Lucy Switchgear
Carolan, Paul #	Dublin Aerospace
Doolan, John	Dublin Aerospace
Ellacott, Christopher#	TE Connectivity
Ellis, Ben	AEM Limited
Ford, Graham *	Eaton Aerospace
Fry, Andrew *	Plating Centre Ltd
Hallinan, Robert #	Dublin Aerospace
Sealey, Jack #	Aerofin
Walker, Laurence *	Lucy Switchgear
Weaver, Tobi	Russell Laboratories
Wilby, James #	Mahle Engine Systems

### Technician Certificate

#### Electroplating Practice

Donnan, Russell Surface Technology+

#### Environment, Health & Safety

Webster, Shael Interplex PMP+

#### Materials Science

Cotton, Edward # Morgan Advanced Mat+  
Paterson, Charles # Acorn Advanced Mat+

#### Paint, Lacquer & Varnish

Greenway, Emma Indestructible Paint Ltd  
Greenway, Simon \* Indestructible Paint Ltd

**SURFACE FINISHING SERVICES**

**Principles of Electroplating**

Johnson, Matthew      Praxair Surface+  
Technologies Ltd  
Monk, Philip              Amphenol Ltd  
Oseland, Adam \*        Atotech UK Ltd  
Vanes, Thomas          LVH Coatings Ltd

**Tutored Route Principles of Electroplating held at South West Metal Finishing –29-10-14**

Brown, Joshua  
Samuel, Antony  
Street, Gemma \*

\* Pass with Merit      # Pass with Distinction

+ Having passed two Technician Modules these students have been awarded the Technician Certificate at the appropriate level and are eligible grade of Technician of the IMF – TechIMF

**Senior Members Meeting**

The next meeting is proposed to be held in March 2015.  
The speaker will be Arthur Brace. Subject will be: Experiences as a U.N.I.D.O. Expert

**Surface World Exhibition  
29<sup>th</sup> September – 1<sup>st</sup> October 2015**

Reservations are now being taken for this show in 2015. Book your stand now, no payment required until early in 2015.  
Contact Nigel Bean on 01442 826826

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