

## **PIMA NEWSLETTER**

### **PIMA Presidents Report December 2018**

Dear Members,

Well another year has flown past us yet again!

This year has seen PIMA run the Moulding your Career course which was well supported, the Charity Golf Day was again a great success, a new initiative was introduced with a barefoot bowls day held with also great success.

We are putting together a video which will focus on showcasing our industry to potential apprentices which we hope will stimulate interest in the younger generation to take apprenticeships. PIMA continues to play its part with the IRC reviewing the training structure which will benefit new apprentices progressing through the TAFE structure.

It is our endeavour to bring to the members more training courses, golf and barefoot bowls days, newsletters and dinner meetings so please continue to support your industry organisation, PIMA.

I recently attended the NSW Premiers Export awards at Star with the event being hosted by Craig Reucassel (from the Chaser's war on rubbish!). at the end of the evening I couldn't help myself and went up to Craig and asked for a picture with him to which he kindly agreed. If only he knew he was smiling away being photographed with a plastics convertor!



In closing I would to wish everyone a safe and wonderful Christmas, and a prosperous New Year, enjoy!

Grahame Aston

President.

## **PIMA Young Achiever for 2018 Robert Vidler**



President of PIMA Grahame Aston presents Robert Vidler with his award.

Robert, at the age of 34, has already had a long career in the Plastics Industry where he has completed an apprenticeship in Polymer Technology, which he commenced in 2003, along with further studies at diploma and advanced diploma level. Robert has worked at M and D Plastics, a company his parents established, where he learned the skills and knowledge required to be highly competent technician.

He has recently taken over as managing director of M and D Plastics and is running an expanding and successful business.

Robert is an example of what PIMA looks for when selecting young people working in the plastics industry for this award.

In awarding Robert as the “PIMA Young Achiever of the Year”, PIMA is recognising the contribution he is making to our industry remaining viable in the years ahead.



Congratulations Robert.



### **Developing industry-led training qualifications for the Plastics Industry**

Australia's Vocational Education and Training sector has an industry-led model for the development of training qualifications. The establishment of world-class, nationally recognised qualifications, is led by Industry Reference Committees (IRCs) comprising of employers, industry experts, peak bodies and employee representatives. Skills Service Organisations (SSO), like IBSA Manufacturing, then provide support to these IRCs.

IBSA Manufacturing supports six IRCs in the manufacturing sector, including the Process Manufacturing, Recreational Vehicle and Laboratory IRC, chaired by Keith Monaghan. This IRC is responsible for the PMB Plastics, Rubber and Cablemaking Training Package.

SSOs are a key point of contact for industry stakeholders who want to be part of the development of vocational Training Packages. IBSA Manufacturing undertakes research and prepares reports, such as Industry Skills Forecasts, as well as assisting with developing and reviewing Training Packages.

For the Plastics industry, IBSA Manufacturing is currently reviewing the PMB Plastics, Rubber and Cablemaking Training Package. Feedback suggests the current qualifications are too broad, without industry specific skills and contain too many electives.

The work is focused on redeveloping Polymer Processing and Polymer Technology qualifications to ensure graduates receive relevant industry training and gain qualifications that help their careers and further the development of the industry.

Training Package development work includes industry consultation phases and the creation of Technical Advisory Committees, made up of industry-based subject matter experts, to help inform the process.

For more information, or to get involved, please visit - <https://ibsa.org.au/consultation-project/polymer-project/>

**IBSA Manufacturing**  
[www.ibsa.org.au](http://www.ibsa.org.au)  
T. 03 9815 7099

**Special Articles:**

**DUROMER**

**Elemental**  
Manufacturing Pty Ltd

**Moldex3D**  
MOLDING INNOVATION

**ANSYS**<sup>®</sup>

October 2018

Duromer Products is pleased to announce our decision to invest in the state of the art moldflow software “Moldex3D”. This new software, apart from the standard suite of moldflow outputs, has the ability to accurately predict fibre length retention and fibre orientation in 3 dimensions. Through the use of a dedicated FEA interface, this “Fibre Map” is then fed directly into Ansys Mechanical Pro FEA software for simulation of mechanical loads and stresses.

To assist with delivering this service to our customers, Duromer has formed a new partnership with Elemental Manufacturing. This partnership will combine Duromer’s materials knowledge and product development capability with Elemental Manufacturing’s expertise in CAD modelling, Industrial Design and Tooling.

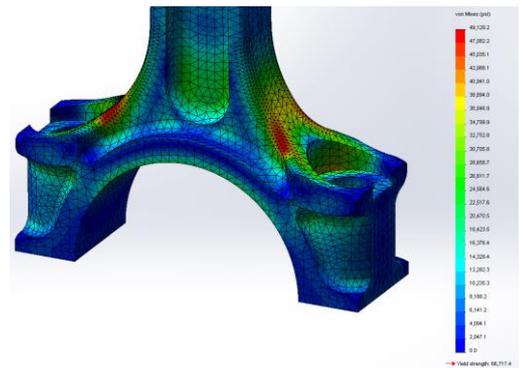
We will assist you to evaluate the advantages of new materials like Polystruct®, a range of high performance Long Fibre Thermoplastic (LFT) compounds, or alternatively any of the other engineering polymer compounds manufactured and traded by Duromer.

Understanding the expected performance of different polymers and compounds in your part is an important step in the product development process. We will help you visualise the moulding and performance of your part so you can assess your readiness to proceed with tooling or go back to the design process.

You will have the opportunity to optimise wall sections and focus on key functional areas so you can streamline part weight, cycle times and your “per part cost”.

Key services offered will include:

- Mold Flow Analysis – [Moldex3D](#)
  - computer simulation of moulding process in your part and prediction of:
    - fill time & warpage
    - weld lines & gas traps
    - short shots & packing
  - Accurate fibre mapping including retained length and orientation prediction
    - optimal sizing and positioning of gates for strength
    - reduction of anisotropic shrinkage
    - preparation for “true to life” FEA analysis
    - trouble shooting moulded part failure
- Finite Element Analysis – [ANSYS Mechanical Pro](#)
  - Computer simulation of part performance in application
  - Utilising the fibre “map” produced by Moldex3D.
  - Iterative design optimisation process



Bring your own design and CAD model or Elemental Manufacturing can provide a complete service from start to finish. Elemental Manufacturing will provide an estimate of costs on a case by case basis.

Contact us for a confidential discussion. We would love to help you with your next project, be it a totally new product design for metal replacement, a design improvement opportunity or just to assess alternative materials in an existing tool.

### Duromer Products

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W [duromer.com](http://duromer.com)

**Membership drive**, we will welcome any new members or past members re-joining the cause. Visit our website at [www.pima.asn.au](http://www.pima.asn.au) for further information or contact us direct with an email to [pima@pima.asn.au](mailto:pima@pima.asn.au) to obtain information on membership. The new website is now up and running.

## **Precision Global Expands International BOV Production Capacities**



Precision Global has expanded its bag-on-valve (“BOV”) system production line capacities in order to meet the growing customer demand for this innovative aerosol solution.

BOV is a barrier pack system that consists of an aerosol valve attached to a welded bag. It is used for aerosol products that must be separated from the propellant and higher viscosity formulations, such as with depilatory product, oils, shaving and shower gels, and sun-care products.

Precision has made significant investments in a dedicated BOV production cell at its French facility in Paris (“Precision France”). The closed, temperature-controlled cell is seamlessly integrated with a quality control and customization lab.

Having BOV specific sales, lab services, production, quality control and logistics support all under one roof at Precision France means customers can enjoy greater convenience, fast processes, speedier customizations, and more efficient delivery.

With the Precision France BOV line fully up and ready for mass production, Precision is pleased to offer increased production capacities across all bag formats (50 ml to over 300 ml) with standard or long stems.

Precision is constantly growing and investing in the latest modern equipment in order to be an even better partner, prepared to meet current and future customer demand as the BOV market continues to widen. Further expansion of Precision’s BOV line is already underway, as another state-of-the-art line is currently being transported to Precision North America’s facility in Greenville, SC.

To find out how you can benefit from Precision’s BOV capabilities, please contact:  
[sales@precisionglobal.com](mailto:sales@precisionglobal.com)

For media inquiries, you may contact Thomas Schmidt: [thomas.schmidt@precisionglobal.com](mailto:thomas.schmidt@precisionglobal.com).

***Wishing You & Your Families a Merry Christmas & Happy New Year from your PIMA Committee***



**Up Coming PIMA Key Dates:**

**Plastics Pioneers:**

Thursday 28th February 2019

Thursday 30th May 2019

Thursday 29th August 2019



## Events

### **16th PIMA Charity Golf Day**

Friday 4<sup>th</sup> May 2019

**Bankstown Golf Club: 70 Ashford Avenue, Milperra. NSW**

**Registration & Brunch: 11:00am**

**Shot Gun Start: 11:55am**

**Prize Presentation & Dinner: 6:00pm**

The event will be an Ambrose tournament (teams of 4), thereby ensuring that ALL STANDARDS of golfers will be catered for and the day will be based on having fun. Teams will be playing for the Ken York Memorial Trophy & The Alex Pennicook Memorial Trophy.

Please visit the attached website for further information, to register or sponsor the event.