



## October News from P&R

Did you know that P&R offer up to a 10 year warranty on tools made and moulded at their premises in Oldham? That's got to be peace of mind.

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Patterson & Rothwell has been 'Believing and Achieving' this summer, adding new machines to the fleet; achieving breakthrough PET developments and shooting with Scholes in support of charity.

Read on to learn more...

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## Krauss Joins The Fleet

We took delivery of a new Krauss Maffei 900T Injection Mould Machine recently. Having undertaken trials from the major manufacturers we chose the Krauss based on its performance, efficiency, ease of use and the after sales support provided by Krauss.

This 900t concludes a recent 15 machine addition to our fleet and brings the total number of injection mould presses to 68. This was part of a €2.5 million spend that has taken place throughout 2015.

We are delighted to now offer you greater variety and capacity when meeting your moulding needs.



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## Easy Vent Endorsed



The Easy Vent that was launched last year has proved very popular in the market place and exceeded our initial sales forecasts. Our customers are delighted, endorsing its high performance with testimonials like this one, from **Dekko Window's Sales Director, Kurt Greatrex**.

*"The Easy Vent is extremely simple to fit and operate, and is made from the highest UV-resistant material delivering complete peace of mind and is available to us in a vast range of colour combinations"*

For more information on the Easy Vent please contact Dave Bowden at [daveb@patterson-rothwell.co.uk](mailto:daveb@patterson-rothwell.co.uk)

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## Garden Pots Galore

Our range of plant pots has increased this Summer due to the hard work of our stockists (and in spite of the rain!). This is set to continue into 2016, with the addition of a new planter range that we are very excited about. More information about the new range is available via Richard James. You can drop him an email [here](#).



## In The News - P&R's Dessert Pot Breakthrough

**INJECTION MOULDING PRW 9**

# Patterson & Rothwell serves up thinner PET dessert packaging pots

Two-year trials have helped injection moulder develop greener pots for the food sector

**L**ancashire-based injection moulder Patterson & Rothwell (P&R) says it has developed a method for creating the thinnest wall PET on the market that will be used to create premium dessert pots for the food industry.

Satisfying the need for high quality dessert packaging, which is also recyclable, the pots made from standard grade PET from Ultrapolymers are now between 0.8mm and 1mm, around 0.4mm thinner than the previous option.

The pots are available in a range of shapes and sizes for yoghurts, mousses and other desserts and are the result of P&R's recent £500,000 investment into new specialist moulding and significant research and development.

Steve Pollitt, P&R's technical manager, tells PRW it took "two years of patience and pain" to develop the pots. "We tried different grades of PET until we found one that was suitable. This was then combined with tool design, part design modification and trials with a new Sumitomo Demag injection moulding machine in Germany."

Dave Bowden, sales and marketing manager at P&R, says: "We developed the new PET packaging in response to the food industry wanting a move from general purpose polystyrene, which can crack easily,

to more hard-wearing and widely recyclable dessert packaging.

"Major retailers have already expressed interest in the product and we're anticipating that many more will follow suit. The pots are ideal for premium brands wanting an eco-friendly, yet aesthetically pleasing design."

P&R's new PET pots are injection moulded using a multi-screw 'all electric' method using a Sumitomo Demag Inflex Smart 280 tonne with ActiveFlowBalance which the firm purchased in March this year.

Pollitt says the switch from hydraulic to electric has helped his firm achieve energy savings and increase productivity through a faster moulding cycle. "We will make the switch from crystal polystyrene to PET pots in six months, after trials are carried out on filling machines."

P&R is a privately-owned company with a turnover of £14.15m. It runs 60 moulding machines and moulds products for a wide range of sectors including building, automotive, white goods, electrical and packaging. The company, which was set up 33 years ago, has a business ethos not to have any customer or product range accounting more than 10% of its sales. Pollitt says: "We believe in not putting all our eggs in one basket."

He adds the sectors which currently are showing the biggest growth are building products and lighting. The latter has grown, he says due to "the introduction of LED modules or manufacturers coming up with funky new designs".

**Patterson & Rothwell has developed thinner wall PET dessert pots. Inset: The Sumitomo Demag Inflex Smart 280 with ActiveFlowBalance**

Plastic and Rubber Weekly - the industry's leading editorial magazine - [reported on our success in July](#) with moulding thin wall dessert pots in PET.

'So what?' you say? Well, PET is very difficult to process into a tool where the surface walls are thin. The polymer wants to freeze off as soon as it hits the tool face.

The push to move the pots to PET came from the leading supermarkets as PET is a very repressible material and is looked on most favourably by the food industry. It's also strong and clear, and is perfect for showing off edible creations.

Many months of testing with material suppliers, machine suppliers and tooling modifications finally resulted in success!

Achieving PET dessert pots opens up all kinds of possibilities for us and our clients. Already we've had enquiries from dessert producers in Europe and are looking forward to serving more clients as a result of this fantastic breakthrough.



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## Shooting with Scholes at the Alex Williams All Stars Charity Football Match



We were offered the opportunity by long standing customer Decra-Led, to be main sponsor of the Alex Williams All Stars vs. Manchester City Old Boys Charity Football Match - and we didn't have to be asked twice!

As main sponsors our logo was featured on the warm up t-shirts as you can see from the picture of Paul Scholes who was superb on the day.

It was a fantastic cause with an incredible turnout for Alex, whose motto was "Believe and Achieve". For more about Alex and to read a write up about the match please [click here](#).

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## The Results are IN for P&R's Annual Endurance Kart Race



P&R's annual four hour Endurance Kart Race took place on a gloriously sunny Saturday 19th September at the fantastic Whilton Mill Circuit near Daventry.

There was some great close racing with many teams just separated by seconds at the end of a long four hour race.

For the second year in a row **Team Southco** took the spoils in Class A and **System 3** took a popular victory in Class B on account of the number of years they have been trying to do so.

The Pole Position Lap was won by Southco's **Neil Orwin** and The Fastest Lap was won by P&R's **Dave Bowden**.

The Fastest Lap Sweepstake was won by Mila's **Chris Harding**.

For a real feel of the day, you can watch our fantastic footage from the field [here](#).

The 10th September 2016 is the provisional date that has been reserved for next year. Get in touch with [Dave](#) if you'd like to join in!



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[www.patterson-rothwell.co.uk](http://www.patterson-rothwell.co.uk)