



Kookaburra Hockey Ball at the 2016 Rio Olympics

Kookaburra is the world's largest supplier of cricket and hockey balls and now their Dimple Elite MK hockey balls will be used exclusively at the Rio Olympic Games. The ball features a specially developed micro-foamed core co-developed by Kookaburra and **Pacific Urethanes**.

Kookaburra worked closely with **Pacific Urethanes** to develop a PU solution that meets the FIH's stringent performance requirements and the expectations of the world's best players. The Kookaburra Dimple Elite MK hockey ball is made of a golf ball sized solid PU core and then wrapped in layers of cork and worsted yarn to form a unique multi-layered quilted centre. A polymer casing is then injected moulded around the centre to give the final product it's renowned tracking dimpled appearance.

Pacific Urethanes based their formations on Dow Chemical polyurethane raw materials for this exacting application. In addition to the on field performance requirements elite players rely not just on sight but the sound to judge the speed and trajectory of the ball when it is play.

Pacific Urethanes worked with Kookaburra for over two years and developed 14 different formations to achieve the successful Olympic standard hockey ball. **Pacific Urethanes** and Kookaburra are very proud of their achievements in developing a world class hockey ball which will be in play on the world stage at the Rio Olympics.



A New Service - PU Machinery Support

The partnership with Impianti OMS in Australia has been a hugely successful for **Pacific Urethanes**. The ability to offer world class, low and high pressure dispensing equipment at very affordable prices is very important to our customers.

Many of our customers have complained about the lack of local support for polyurethane dispensing equipment in Australia. This is a critical issue which has led to customers resorting to desperate measures such as fabricating their own spare parts to avoid lengthy delays in production.

Pacific Urethanes is delighted to introduce Trevor Garratt who will be our first polyurethane machinery specialist based in Australia. Trevor has been using, maintaining, repairing and importantly programming polyurethane dispensing machines for over 30 years. He has extensive experience and knowledge of both low and high pressure machines including OMS, Krauss Maffei and Cannon models. Trevor will also able to train your staff on the ongoing use and maintenance of your machine.

We will be contacting our customers to arrange for Trevor to complete a comprehensive Baseline Condition Report (BCR) of their machines. He will provide advice on what repairs should be scheduled, any requirements for replacement parts and any operator training.

Pacific Urethanes will offer our customers the option to participate in our Partner Program Agreement. This will include regular scheduled maintenance of your machines, ongoing remote support, and importantly emergency on site response to breakdown assistance.

We are confident this service will ensure our customer's machines are as reliable and dependable as possible. The prevention of production stoppages resulting from machinery breakdowns and blockages predominantly caused by poor maintenance of machinery or the lack of specialised operator training is a key to your organisations' ongoing success.

To arrange a BCR on your machine please contact our Commercial Manager Peter Lloyd on 0439 732 619 to arrange a visit by our Machinery Specialist Trevor Garratt.

Greenhouse Gas Emissions Regulations to Impact PU Industry

The Australian Government has committed to reducing greenhouse gas emissions by 26 – 28 % below 2005 levels by 2030. A reduction in HFC (hydrofluorocarbons) is a key part of this obligation. A statutory phase down of HFC imports will be implemented, commencing January 2018 with a reduction of imports of 85% by 2036.

HFCs are the third generation blowing agents and have zero Ozone Depleting Potential but a relatively high Global Warming Potential of approximately 1000. **Pacific Urethanes** has anticipated this phase down and is continuing to develop alternative blowing systems containing no HFCs.

Experimental quantities of fourth generation blowing agent HFO have been acquired by **Pacific Urethanes** and successful development of low density rigid foam systems have been produced.

Further development has also been carried out using alternative Zero ODP and GWP blowing technology enabling **Pacific Urethanes** to offer environmentally friendly systems for a range of applications.

Pacific Urethanes is committed to working with the latest technology to meet the high performance needs of your organisation.

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