

Industry News

To submit news for inclusion in *Powder Injection Moulding International* please contact Nick Williams nick@inovar-communications.com

Adamou uses CIM route to produce valve seat

Adamou Sàrl of Etoy, Switzerland, is using ceramic injection moulding (CIM) to produce a sintered valve seat from 99.9% alumina powder. The company states the ceramic seat is used in



A CIM valve seat produced by Adamou Sàrl

conjunction with a ceramic ball to open and close a valve in order to achieve a high precision flow rate for homogeneous liquid mixing in a chemically aggressive environment. Different valve seat dimensions are produced depending on the flow rate required and customer specification.

Key to the success of this application is producing the CIM valve seat to dimensional tolerances in the micron range, thus avoiding any leakage after the valve is closed by the use of the ceramic ball, states Adamou.

In addition to alumina CIM, the company also produces CIM parts from black or coloured zirconia, and recently launched a new website.

www.adamou.ch ■

Nissei sees growth in China and plans to target MIM

Nissei Plastic Industrial Co. Ltd., the injection moulding machine producer headquartered in Nagano, Japan, has reported that it expects to increase production to 900 machines a year at its Chinese manufacturing plant in Taicang, Jiangsu Province, by 2013.

Nissei has also indicated that it intends to allocate more resources to higher-tech areas such as MIM. The company states that it is increasing its research on new technologies to maintain global competitiveness, including developing the world's first system for moulding some grades of heat-resistant bioplastics.

www.nisseijushi.co.jp ■

New titanium powder plant to be on stream by year end

International Titanium Powder LLC (ITP) of Woodbridge, Illinois, USA, is expected to begin producing commercial quantities of low cost pure and alloyed Ti powders at its new plant in Ottawa, Illinois, later this year. The plant is expected to reach its capacity of 4 million lbs (2000 short tons) of Ti powder during 2011.

ITP has been commercialising its patented Armstrong Process for low cost titanium powder for a number of years at its R&D facility and pilot plant. The company became a wholly owned subsidiary of Cristal Global, headquartered in Jeddah, Saudi Arabia, in 2008. Since then Cristal Global has expanded the ITP team and is committed to bringing the new titanium powder on stream.

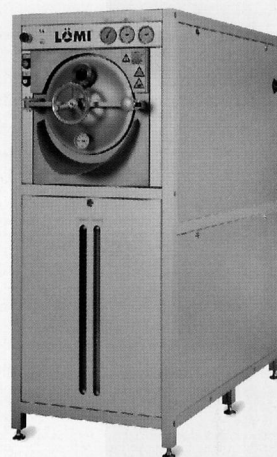
Cristal Global is said to be the world's second largest producer of titanium dioxide (TiO₂) with sales in the region of \$2billion in 2008. "Ti and Ti alloy powders from the Armstrong process have been proven to have properties that will provide the foundation for an expanding powder-based titanium product market. We look forward to working with our suppliers, customers and titanium metal consumers in programmes to accelerate use in existing and new markets", said Robert Daniels, Vice President - Titanium Metals for Cristal US.

www.itponline.com ■



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