



# PRESS RELEASE

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## Air-Cooled Industrial Chiller for iCeutica

Summit Matsu Chilling Systems have provided a price competitive, reliable air-cooled industrial chiller to nanotechnology company iCeutica to cool the jacket of a pilot scale ball mill at their Perth laboratory.

With operations in Philadelphia, USA and Perth, Australia, iCeutica is a specialist drug company, whose objective is to rapidly develop reformulations of commercially successful compounds, utilising its unique anno-reformulation technology. iCeutica's SoluMatrix platform is the key to solving intractable solubility and bioavailability problems and provides options to rapidly increase the rate of absorption of drugs, reduce the dose required for a desired effect, and remove the variability associated with food for many pharmaceuticals products.

When iCeutica needed to purchase an air-cooled industrial chiller unit to moderate the temperature of their pilot sized ball mill, which is used to crush and refine compounds, they veered away from the path of using a traditional lab equipment supplier. A ball mill is a cylindrical device used for grinding or mixing materials. The ball mill rotates around a horizontal axis, and is partially filled with the material to be ground plus a grinding medium which can be comprised of ceramic ball, flint pebbles or stainless steel balls. The internal cascading effect reduced the material to a fine powder. The high friction levels within the ball mill create a significant amount of heat as a by product. With temperatures in iCeutica's ball mill reaching as high as 80°C within ten minutes of operation, iCeutica recognised the importance of a reliable, high quality air-cooled industrial chiller to moderate the temperatures inside the ball mill, thereby protecting both the machine and the materials from overheating.

Choosing Sydney based chiller manufacturing company Summit Matsu Chilling Systems instead of a traditional lab equipment supply company allowed iCeutica far more freedom in their specification and they made significant financial savings. Adrian Russel, Research Operations Manager at iCeutica commented that choosing a Summit Matsu Chilling Systems air-cooled industrial chiller has a variety of benefits when compared to dedicated lab chiller suppliers. "They look swanky and glossy," Mr Russell stated, "but the specialty lab chillers cost more than \$10,000 more than the Summit Matsu air-cooled industrial chiller which does exactly the same job." He also pointed to the variety of industrial chillers and cooling capacities which Summit Matsu Chilling Systems catered to, "So should we need to buy another unit or upgrade, there is always that option to expand and the relationship with the company is already established."

More information on similar applications and case studies can be found online at [www.matsu.com.au](http://www.matsu.com.au).

For product enquiries please call 1300 CHILLERS (1300 244 553) or +61 2 9698 4666.

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