

Peak of achievement



The Rollston brothers, Scott and Daniel, stand by their product.

There is always something of interest being put together at the Summit Matsu production site at Alexandria in Sydney. On a recent site visit by CCM, the company was testing three sea water-cooled chillers for Emirates Aluminium in Abu Dhabi.

These 204kW chillers are part of the 7 series of process chillers with 21 models in the shell and tube evaporator range. Utilising step capacity of 20 to 100 per cent with Refcomp compressors, Italian condensers and Carel controls, these chillers provide excellent cooling capacity from 5.8 to 220kW.

"They are to cool the electrical component rooms for the largest aluminium smelter in the world," Summit Matsu general manager Daniel Rollston says. "Rumour has it they are building six more smelters like this one."

Rollston and his brother Scott, the company's head engineer, have plenty of other work at their Sydney base. "We are assembling two chillers for the Australian government through Bovis Lend Lease as well," Daniel says. "Each is 750kW at -15°C supply temperature. The cooling medium is 25 per cent calcium chloride brine."

"When we are done," continues Scott, "we run each chiller through a 24 to 48-hour quality assurance test. We then also do the commissioning of each unit to ensure correct

installation and no damage is done during delivery."

Summit has been around since 1949, servicing every major industry including HVAC, mining, pharmaceutical, medical science, chemical manufacturing, hotels, and food and beverages. Companies that have used Summit cooling solutions include BHP, Rio Tinto, CSIRO, Wolf Blass Winery, Darrell Lea, Glaxo Smith Kline, CSL and Leighton Contractors.

Besides the 7 series of chillers, Summit also has the SDA Series of air conditioning or process chillers ranging from 75 to 600kW, as well as the 8 series of process chillers utilising a coils in tank evaporator which includes the pump, ranging from 2.9 to 155kW.

Additional options include flexible operating temperatures, flexible kW performance and optional tank and pump modules.

Summit Matsu Chilling Systems is an Australian manufacturer of industrial water chillers with over 40 years' experience. Designed and manufactured in Australia, the company promises fast delivery times, long life, durability of all components and after sales service to most locations in Australia.

www.matsu.com.au



One of the new 750kW chillers sitting on its hot dip galvanised base.