



**SPRAY NOZZLE
ENGINEERING PTY. LTD.**

C.I.P. REELS - TE RAPA

C.I.P. EFFECIENCY INCREASED AT SPRAY DRY PLANTS

Total Spraying Solutions

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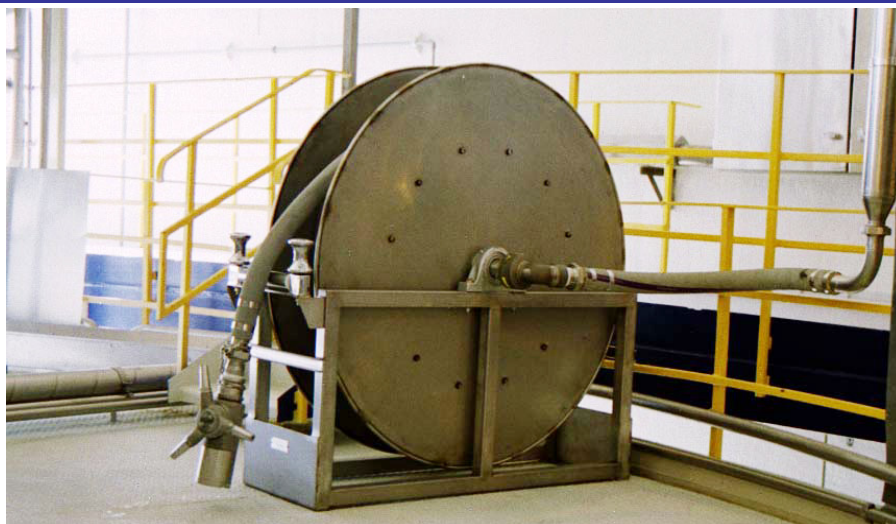
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Spray Nozzle Engineering and their sister company REELTECH, has continued to offer large dairy groups world wide, including the Fonterra group in New Zealand support with increasing production efficiency and reducing unsafe workplaces.

Pictured is one of two the Hannay Stainless steel reels and Cloud C.I.P. units, that were recently installed at the Te Rapa site. The CLOUD unit can effectively "scrub" vessels up to 24 metres in Diameter , whilst cutting as much as 20-30% from the C.I.P cycle time. This of course equates to a considerable increase in production time, whilst maintaining a full coverage "scrub" and not leaving behind " tracks", which in turn leads to an increase in cycle time and manual cleaning to make up for an ineffective C.I.P. unit.

This coupled with the use of a electric winding Stainless steel hose reel to raise and lower the C.I.P. head, to facilitate "stage" cleaning. This set-up makes for a very efficient and safe operation.

The Cloud C.I.P. unit is specifically designed for the spray drying industry. The cloud unit offers greater service life as well, with its "vertically designed floating" gearbox as opposed to other units which offer worm and wheel designs. The cloud design reduces the stress that can be transmitted through the gearbox by "water hammer". This coupled with its "self rinse" bearings and sturdy construction offer unbeaten reliability.

We have also conducted extensive trials at the Te Awamutu plant, where we helped to reduce C.I.P. cycle time by 18 % so far, the single Cloud unit replaced two units that they were previously, and has eliminated manual intervention. The unit is now in operational service.

**REDUCE C.I.P CYCLES
SAVE TIME, MONEY AND WATER**

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