



**SPRAY NOZZLE
ENGINEERING PTY. LTD.**

C.I.P. IMPROVED AT TE AWAMUTU

Total Spraying Solutions

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Spray Nozzle Engineering, has continued to offer the Fonterra group in New Zealand support with increasing production efficiency and reducing unsafe workplaces.

Pictured below is one of the Cloud C.I.P. units as used at Te Awamutu plant. 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.

The **Te Awamutu** plant conducted extensive trials on the Cloud, the trial was conducted using the current "washer" part of the program which consisted of the following

1600 seconds - Pre-Rinse @ 65 c water
2100 seconds - Rinse @ 75-80 c water
3200 seconds - caustic

It was found that halfway through main rinse cycle (1050 seconds) - "the surface was spotless of gross soil except for a fine film of fat, by using the Cloud unit.

Te Awamutu purchased a single Cloud unit and currently run a complete C.I.P. regime which has cut the time from 20,800 seconds to 18,200 seconds this an efficiency gain of 13%, not to mention that we replaced two (2) C.I.P. heads with one cloud unit, and previously costly and hazardous "manual intervention" was needed to finish the job.

The cloud 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 also have these units in service At Te Rapa, Hautapu and Clandeboye

For further information call us

At anytime.

