

# MSP cleans up its act

**A sub-contractor has reduced cleaning cycle times and improved its environmental credentials following installation of MecWash technology. *Machinery* reports**

**S**ub-contract turned parts manufacturer MSP, Coleshill, has seen a 75 per cent reduction in component cleaning time, environmental improvement and more consistent product quality following the installation of a MecWash Systems aqueous cleaning system.

Producing up to 15 million parts per year to meet orders from all over the world, MSP is using a MecWash Solo 400 component washing system linked to an Aqua-Save water recycling unit.

"Before installing the MecWash system, we used an ultrasonic facility with four in-line tanks and an over-head gantry," says MSP quality assurance manager Martin Smith. "The new unit,

## Durr Ecoclean agency

From 1 January this year, Geo Kingsbury Machine Tools, Gosport, has been the sole sales and service agent in the UK for the Durr Ecoclean range of industrial cleaning systems, designed for washing and degreasing machined components.

Durr Ecoclean, an international supplier of integrated industrial cleaning systems, is an autonomous company within the £1,456 million turnover Durr group. In addition to manufacturing emission-free solvent and water-based cleaning machines, filters and filtration equipment and automation systems in Germany, France, Spain and the USA, the Ecoclean operation is also active in high-pressure and brush-type deburring systems.

however, means that we can now operate much more quickly – previously a 20 kg load would take 20 minutes to process, for example, and this has been reduced to less than 5 minutes. Backlogs have been eliminated and the line is not closed each week for cleaning out.

"Moreover," he continues, "waste and oil have been minimised, water costs are reduced and we have been able

to redeploy one of the two ultrasonics line operatives to other duties at the plant."

Manufacturing an extensive range of brass, steel and aluminium parts between 1 mm and 110 mm in diameter, some of which undergo additional assembly work, production rates are geared both to meet immediate demand and stockbuilding against longer term customer needs. In turn, this has led to the use of the MecWash AC 32 wash solution that includes an inhibitor to retain longer term product quality.

"MSP's customers include many leading automotive, electrical, hydraulic and white goods sector names, so quality is paramount," MecWash Systems' director, Paul Young, explains. Stringent levels of cleanliness at the site can translate to contaminant of no more than 15 mg/kg of parts which the Solo 400 can readily achieve.

"The decision to link the Solo 400 to an Aqua-Save water recycling unit is also very significant," continues Mr Young, "because it reflects the company's commitment to environmental care. The Aqua-Save permits the re-circulation of the wash solution producing only minimal waste oil for removal off site."

Some 70 per cent of components produced at Coleshill now pass through the MecWash system. In up to four stainless steel baskets per wash cycle, they are placed in the Solo 400's rotating drum and are held securely by lockable lids developed by MecWash to match the dimensions of MSP's own baskets. □

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