

Pero
Advanced Metal Cleaning



built to
last



built for
speed



built to
perform

Pero degreasing machine cleans 1 million parts a month at Cold Formed Products

East London-based Cold Formed Products Ltd (CFP) has installed a Pero V1 universal degreasing machine from exclusive UK distributor Kumi Solutions Ltd. Installed at the end of the production line at CFP's Plaistow manufacturing facility - the new Pero is already cleaning approximately 1 million aluminium parts a month for automotive and aerospace industry customers.

CFP has grown to become a thriving, second-tier automotive supplier to some of the biggest names. Until recently, however, the company had relied on an ageing open-top solvent degreasing tank to clean the components it produces, something that clearly needed to change in light of the EU's Solvent Emissions Directive (SED), which came into force at the end of October 07.



"We first heard about the impending SED legislation three years ago," states the company's technical director David Binks. "At first we thought the best approach would be to try and replace solvents altogether, so we looked at aqueous-based degreasing solutions. But to be honest, the trials we conducted were far from convincing."



Undeterred, the company refocused its attention on solvent cleaning, but this time Mr. Binks and his team examined hermetically sealed systems.

"We visited four of five suppliers of solvent-based sealed machines, but again the results were not impressive. Subsequently we contacted Kumi and they recommended the Pero V1 machine. After trials in Germany we were relieved to find that it did the job very well."

the chamber of residue. Many competitor systems use a 'regenerative carbon stack', which can be a time consuming alternative. CFP also claims that the V1 was priced more competitively.

According to Mr Binks, one of the differentiating factors in favour of the Pero V1 was its vacuum system, which is used to evacuate

Pero machines represent a significant step forward in cleaning technology as the machines are "universal". That is, they employ almost any type of solvent, from chlorinated hydrocarbons - such as trichloroethylene and perchloroethylene - through to methylene chloride, modified alcohols - such as Dowclene 1601 - and any standard hydrocarbons - for example, A3 category products with a flash point in excess of 55°C. A V-Series system can be

The V-Series machines are hermetically sealed to provide "near zero" emissions and so comply with the new SED. The machines are run under partial vacuum conditions, thus helping to lower the boiling point of the solvent. This has many advantages such improved energy efficiency, reduced solvent consumption and the ability to clean more delicate materials such thermoplastics and coated parts.

Installed in October 2007, the CFP Pero V1 was commissioned (using perchloroethylene) within two days without any interruption to the company's production.

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