

CLEANING SOLVENT ISSUES SOLVED FOR PRIMA DENTAL

BY NEW GENERATION SOLVENT!

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FRASER TECHNOLOGIES NEWS

COMPONENT CLEANING

REQUIREMENT

With a 150-year dental manufacturing heritage, Gloucester-based Prima Dental produces around 30 million dental burs (drill bits) per year.

Prima's Production Engineer, Nigel Frampton, contacted Fraser Technologies, as they were keen to replacing the Methylene Chloride cleaning solvent used to clean the burs with an agent offering an improved health and safety and environmental profile.

Prima has two Crest AVD 500 semi-automated solvent cleaning systems, one for gross-cleaning and the second for final cleaning before packing and dispatch.



THE FRASER TECH SOLUTION!

“ *Fraser Technologies demonstrated that they go beyond supplying equipment and chemistries.*

Their pre-sale audit of our cleaning process, product trials and innovative thinking helped deliver a component cleaning solution that yields better performance, an improved health and safety profile, and excellent solvent recovery. ”

NEW GENERATION SOLVENTS

After initial discussions, we recommended comparing the technical performance of the existing Methylene Chloride agent with Opteon™ SF79™, a new-generation fluorinated solvent combining high 100 KB cleaning power with an improved safety profile. Trials began at our in-house trial unit and also on-site and produced the following:

- The cleaning results with SF79 were far superior compared to the existing solvent Methylene Chloride.
- Fraser Technologies conducted a full system audit prior to changeover which revealed several equipment issues. These were corrected by repairs and cleaning process optimisation all which significantly reduced solvent usage.
- SF79 had a recoverable rate of 74%, reducing running costs significantly.

CONCLUSION

Performance levels were that good that Prima ended up asking Fraser Technologies to install several new cleaning systems all using SF79 solvent. We continue to work with Prima and keep them up to date on the latest cleaning technologies and chemistries, resulting in them recently placing an order for a further two systems. For more information on our innovative cleaning solutions, please contact us.