

WATER PROCESS SOLUTIONS

Providing Trusted Performance



The Twickenham Plating Group Ltd are a specialist plating business. From their establishment in 1949, they have continually strived to create and sustain quality in service, technically advanced finishes and a commitment to their environmental responsibilities. Through review and application of 'Best Available Techniques' (BAT) within their effluent treatment and process streams they ensure that waste is minimised and falls within consent boundaries set and monitored for the local water authority.

The wastewater produced by the plating process contains heavy metals, grease, oils and suspended solids. Due to the high toxicity and corrosiveness of the plating waste stream, pre-treatment prior to disposal is essential and a requirement of local utilities and municipalities. The Twickenham Plating Group, aware of this installed their own effluent treatment plant in 1980.

A strategic part of the enhanced effluent treatment process was flocculation and for this The Twickenham Plating Group invested in the PolyBlend® system. With its implementation, the original PolyBlend® unit has since been operational and reliable for more than 25 years!

The PolyBlend® PB series systems are automated polymer feed systems for precise control and built to provide economical performance. Polyelectrolyte's can require specifically designed energy regimes during preparation to attain optimal physio-chemical state in solution and perform to the desired task. With the PolyBlend® you are able to provide precise, programmable control of dosing rate, dilution levels, retention time and energy. With this level of control, you can achieve the ideal mixing environment to maximise the yield efficiency for your polymer.

Considering its long standing performance and trusted reliability a new replacement PolyBlend® was the obvious choice. The manufacturer for this product line is Water Process Solutions Ltd.

Manufacturing under license from UGSI Chemical Feed, Water Process Solutions offer full system supply and support from their Head Quarters in Kent, UK. Other product lines include; Chemical meter pumps, Chlorine analysis, lagoon and pond floating cover solutions and On Site Hypochlorite Generation Systems.

Following the initial enquiry, a site visit was made to discuss the existing system, process needs and availability. In doing so further savings were identified by operating an optimised system capacity. Delivered swiftly, installed easily and now after operating for some time Jason Steele of The Twickenham Plating Group said 'Water Process Solutions have provided an excellent quality and professional service and the new system is working beautifully, as one has become to expect'.



