

Senator splashes out with T.S.D.(UK)

Technical Services & Design have over 20 years experience working in the Paint & Powder Finishing industry.

They offer a full range of services including new/used equipment and modifications to existing plant, incorporating the latest energy saving technology and improvements to running efficiencies.

Senator, one of the largest manufacturers of office furniture and workplace solutions in the UK, have recently completed the replacement of their main process tank on their pretreatment plant at their Blackburn facility. The work was carried out by Technical Services & Design (UK) Ltd during an agreed Christmas shutdown period.

The original 12,000 litre tank was manufactured from mild steel which was degrading and starting to leak plus ongoing problems with the process pump were giving cause for concern.

T.S.D.(UK) already had an agreement in place to carry out regular servicing of the plant and carried out a number of other smaller modifications on the powder coating plant in the past. As part of the project it was agreed that the new tank would be manufactured from stainless steel along with the associated pipework. Also a new pump pipework arrangement was designed and installed to provide a duty and standby facility, should any future issues arise with the process pump the valves can be switched over to continue production with the standby pump. The project was completed on-time, to specification and within budget.

During the course of 2013 the pre-treatment process was thoroughly examined as part of a plant preservation project which revealed that significant corrosion had taken hold of the mild steel pre-treatment main process tank. The inspection also uncovered concerns that the process pump duty was also deteriorating, which highlighted that, if there was a pump failure, we didn't have a stand by

pump to keep the process functioning.

It was decided that investment was needed for the tank & pump in order to protect the operation for the foreseeable future. TSDUK, being Senator Engineering's established site support company who have in depth knowledge & expertise of this type of plant, were the obvious choice to approach for this project.

The verdict was to replace the main pre-treatment tank with a grade 304 stainless steel tank & re-configure the process pump pipe-work to include a new pump alongside the existing pump providing a stand by pump facility. TSDUK were appointed to carry out the design work, manufacture & supply of the new tank & associated pipe-work ready for them to install during the Christmas shutdown period, avoiding any production downtime.

The approach by TSDUK was very professional throughout the project & the work was completed & commissioned ahead of time with no real issues. During the course of 2014 we intend to carry out a similar exercise on our finishing plant drying & curing ovens & I anticipate we will enlist the support of TSDUK to assist us with this project.

Nick Burns – Maintenance Manager
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The Senator Group

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