



Tristel

Tristel Solutions automate disinfectant filling with Response Automation Line

Adelphi customer Tristel Solutions are a global manufacturer and supplier of infection control, contamination control and hygiene products, with their primary customer base being both NHS and private hospitals. They employ close to 120 staff, with just over 80 being based at their manufacturing site in Snailwell, Cambridgeshire. With these high level disinfectants, Tristel aims to be a recognised force in the global infection control industry, and is well on the way to being so with noticeable signs of growth with its global subsidiaries and agencies.

Following the establishment of its manufacturing plant in 2007, Tristel had a need to invest in packaging equipment to handle its innovative range of disinfectant products, and approached Adelphi for assistance. Since this time, Adelphi's Sales Director Dean Willis has established a strong relationship with Tristel, assisting them with their filling requirements when needed, and carefully assessing their needs to ensure the correct machinery offerings were made. Initially, Tristel purchased one of Adelphi's ever-popular [Response Benchtop Fillers](#), followed by several more of the same units over the years.

The Benchtop Fillers were confidently able to fill Tristel's range of disinfectants, but as production demands continued to increase, the realisation set in for Tristel that the packaging process needed to move up a notch to a more automated process.

Tristel approached Adelphi to discuss how this could be achieved, and a full Response Automation line (pictured right) was installed in 2016. The line incorporates existing benchtop units, minimising the new investment cost. The Response Automation line currently handles around five Tristel product ranges, including a 500ml chlorine dioxide foam based dual product, which consists of a base and an activator, supplied as one product but filled into two separate containers.





Adelphi Manufacturing

Prior to Tristel's acquisition of the Response Automation line, this product was a time consuming product to package, requiring a more manual method of filling, capping and labelling. Both the base and the activator were filled separately on two different fillers, both then individually capped, before the dual activation cap was added and the product was moved down the line for labelling!

Following installation of the Response Automation line, Tristel could instantly report a 70% increase in productivity. The line is fed from two large tanks attached to the machine, with one holding the base and the other the activator, but both can be fed into the filling line at the same time, filling into the two separate bottles. Production Manager Jenny O'Callaghan commented "the addition of the automation has assisted us greatly. I can't imagine where we would be without it now. Our processes were very manual and filling on the automation line now saves us a huge amount of time. We would only like to automate more and more of our packaging processes across the business going forward".

When looking for an automated filling line, Tristel considered a few packaging machinery suppliers, but already secure in the knowledge that Adelphi's fillers were reliable and durable influenced Tristel's overall decision. "From the smaller Response fillers we had previously used, we were familiar with Adelphi's equipment, and knew that we could trust them to run as we needed without constant breakdowns or issues" comments Jenny O'Callaghan.

When asked for his thoughts on the machine, Production Engineer Peter Twelftree commented that "one of the great advantages of the Response Automation System is its modularity. If we were to have any issues with the line, we could simply remove one of the single bench top units and use that to work with a semi-automatic fill". Jenny added "as we're currently only running the filling line mostly with two individual bench top fillers, it gives us plenty of opportunity for growth, where we can simply slot in another single filler to the line to increase production with one of the several single units that we have, and this is all at no extra cost. We're currently producing around 700 – 1000 bottles per hour depending on the product, with plenty of room for growth".





Fast-forward to 2020, and with the Coronavirus (COVID-19) pandemic sweeping the world, demand for Tristel's products has never been greater...

Production Engineer Peter and Production Manager Jenny spoke to Adelphi's Marketing Executive Rachel about the unprecedented new requirements for Tristel's products, and the role that Adelphi's machinery has played...

Dean supplied Tristel with four new Response Benchtop Fillers in April 2020, bringing their total up to 10. With production up as much as 40-50% in some instances, the machines are all being put through their paces filling the two key disinfectant products which Tristel have devoted their production to, in response to the Coronavirus outbreak. These include DISTEL, a fluid for cleaning and disinfecting hard surfaces within hospital environments, and JET, a powerful sporicidal disinfectant, with proven effectiveness against SARS-CoV-2.



Tristel are also now running their Response Automation Base with four individual Benchtop Fillers. "The Response machines have really come into their own", says Jenny. "We're able to incorporate the Response's into the automatic line or use them manually".

When asked about the level of service he received, Peter was pleased to comment that "Dean sorted the new machines out quickly for me" -

"There was no difference in the quality of service I received, despite the majority of Adelphi's team working remotely at the present time."

The new machines arrived within 4 working days of Peter's order being placed; "they were up and running quickly" he says. Despite seals having become damaged in transit when the first two of these new machines were shipped, Peter remembers that "Dean got the replacements shipped out quickly along with our second two machines, and Adelphi took note and packaged them differently the second time, so no more damage occurred."

When asked whether he had considered using any other machinery suppliers to help Tristel meet their increased production demands, Peter said "I like the Response machines, I wasn't worried about looking for someone else. They're reliable and not temperamental; I didn't feel the need to look elsewhere."



Peter also kindly made sure to email Adelphi his thanks, which were gratefully received by the whole Adelphi team:

“Many thanks for your support, it’s much appreciated here at Tristel. As you know, we use your machines to fill cleaning disinfectants for hospitals, not only for the NHS but also across the world. It’s very comforting knowing that I can get parts / advice if needed to keep our machines running, and also you can supply us with extra machines to help us.”

Are you producing for the pharmaceutical or cleaning/hygiene products industry and would like a filling line which offers the ability to grow along with your output requirements? If so, please contact Adelphi on +44 (0)1444 472300 or email info@adelphi.uk.com.

Response

