

TCS Micropumps Technology

Product Performance Capability &
Life Validation

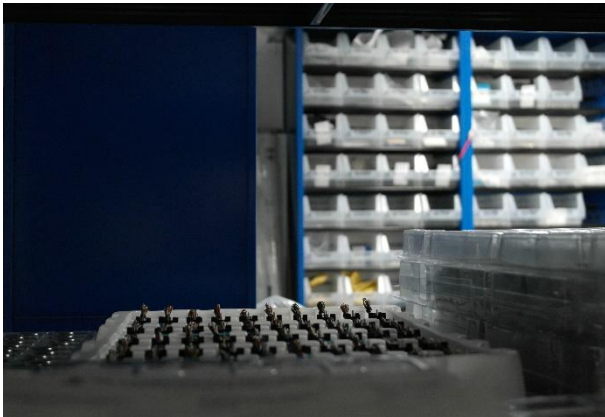
“TCS Micropumps Ltd” specialises in the design, development and manufacture of miniature pumps and systems. Company manufacturing technology includes precision, single and multi-shot injection moulding, CNC micro-machining, laser cutting, CNC turning, automated assembly and rapid prototyping techniques including in-house 3D printing.

TCS Micropumps manufacture a standard range of patented miniature pumps to satisfy a wide range of requirements. TCS can configure any of these pumps and systems to tailor them exactly to the customers need.

New variants and concepts are also designed and developed to suit specific customer requirement by the TCS in-house design and development unit.



THE COMPANY



THE COMPANY



REFERENCES



TCS Micropumps Ltd are designing, developing and supplying to sme's and blue-chip Companies Worldwide.

The companies supplied include : British Gas, Fresenius Medical Care, NASA, Boeing, Space X, Ford, Red Bull F1, AC Dispensing, Ministry of Defence, RS Components, British Aerospace, Volvo etc

TCS Micropumps have an enviable base of blue chip company clients and innovative technologies. TCS also have a thorough approach, dedication, rigorous testing and development procedures, all to help ensure that it is dependable and cost effective for its clients.



Richard Weatherley
TCS Micro Pumps Limited
Highfield, Faversham Road
Ogborne
Kent
ME13 0SF
ENGLAND

7th January 2013

RE: An exceptional pump for an exceptional aerospace project

Dear Richard,

I just wanted to write to you to thank you and your team for your excellent work on the aerospace pump. The flow and pressure performance is exceptional. My personal thanks for spending that extra time and care to squeeze that little bit more extra performance too.

The pump has 17 times the performance to weight ratio compared to the best COTS pump (commercial-off-the-shelf) in this class. You took a challenging performance brief (that all other specialist manufacturers said was impossible) and kicked the performance clear out of the ball park in practical demonstration. More importantly our client, the Ministry of Defence is delighted that Defence Science and Technology Laboratories also required if the pump could be used for other aerospace applications. It just shows what small specialist companies can do when they work together on a strategic new air capability.

Thank you for supporting the flight testing, it was fantastic to see this new air concept in flight.

I look forward to working with you in the near future.

Kind regards,

Nick Deakin
CEO



FRESENIUS
MEDICAL CARE

October 10, 2012

To whom it may concern:

This letter is to verify that the team at TCS Micropumps, lead by Richard Weatherley, has been the sole producer and supplier of the Miniature pumps used for our Wearable Kidney Project to date.

These pumps were specifically tailored and designed by TCS for this particular project and developed according to the standards of the Renal Medical Industry with excellent progress. TCS has been able to facilitate the design specification, meet deadlines, and consistently improve the product, while offering exemplary customer service.

TCS has, and is a valuable partner for Fresenius Medical Care and we look forward to future business development opportunities as we work to further enhance and improve our product portfolio for our patients with Kidney disease on a worldwide basis.

Sincerely,

Heinz Schmidt
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