



SolidCAM

The Leaders in Integrated CAM

Recol Engineering Ltd Reduces Cycle Time Using iMachining by SolidCAM



Recol Ltd are an innovative organisation committed to providing the very best customer service and high quality products in the field of bespoke metal manufacturing and mechanical integration. Their continued investment in state of the art equipment supported by proactive forward thinking professionals, guarantees that their customers benefit from the best cost, best quality and timely delivery.
www.recolltd.co.uk



TIME SAVINGS
70%
...AND MORE!

Utilising SolidCAM's unique, patented and revolutionary iMachining technology, Recol Engineering Ltd have manufactured their 'fixed platten', which makes up part of a food tray sealing machine tool lifter mechanism, from ACP 5080 VC2 (tooling grade) Aluminium. "We let iMachining loose with a 16mm end mill and short of a few drills and taps, this was the result", Ben Guntrip, Operations Manager, Recol Engineering Ltd. The centre and 2 outer bores are then bored to 52mm (51.994-52.013 J6) and 85.027 (85.000-85.054 H8) respectively. These are to retain bearings that house a ballscrew mechanism. The 2 x 6mm slots were achieved using a 5mm end mill going 25mm deep from both sides allowing them to reach the 50mm depth with minimal chattering.



"The implementation of SolidCAM supported by its iMachining strategies has enabled Recol Ltd to diversify from being a Sheet Metal Manufacturing Company with CNC Machining capabilities, to become an organisation with 2 distinct sectors of expertise. Whilst maintaining our leading position in the market of sheet metal, we are now actively becoming a preferred supplier of high end machined components. The latest SolidCAM 3D iMachining software has allowed Recol Ltd to diversify and target many new opportunities that will support our business growth strategy.

The iMachining capabilities have revolutionised the way we look at our mill and lathe processes. The rates of material that can now be removed and the extended tool life that historically were not in the realms of possibility have become an everyday occurrence. Our mixture of Stainless steel and Aluminium processing has been transformed using iMachining. Tools just seem to go on and on cutting. It has now allowed us to look into new types of tooling to push ever harder the material removal rates through investing in better and more sophisticated tooling geometries therefore significantly reducing cost, and in turn allowing us to maintain our policy of continuous improvement and cost down."
Ben Guntrip, Operations Manager, Recol Engineering Ltd.

SolidCAM

Founded in 1984 by Dr. Emil Somekh, SolidCAM has over 29 years of expertise in CAM development and applications. The integration strategy of SolidCAM, in the major 3D mainstream CAD systems, SolidWorks and Inventor, has created major growth for SolidCAM and established SolidCAM as the leaders in Integrated CAM. SolidCAM is a Consistent Growth Leader and has been named by CIMdata as the fastest growing CAM vendor worldwide, in five out of the past eight years.