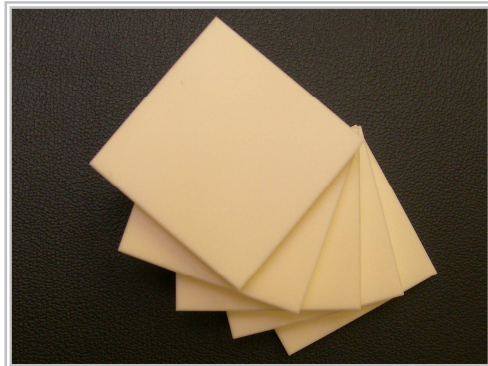


Alan Browne Gauges

Gauge Block Calibration & Manufacture



Case Study: Ceramic Tiles

When an international ceramic manufacturer needed help solving a problem on thickness and surface finish, it approached one of the most reputable custom lappers in the UK - "**Alan Browne Gauges**"

The requirement was for a very large volume of 50 X 50 X 8mm thick ceramic tiles to be held on thickness to 10 microns, parallelism to 1 micron, and flatness to two bands. There was also the added difficulty of a thickness variation from tile to tile of up 2mm.

Here at Alan Browne, we have 44 years of experience in lapping procedures, and were able to provide a solution that combined machine lapping and "other custom" procedures. This also included the design and manufacture of custom tooling to suit.

The inspection procedure is in some respects even more critical, the results have to be reliably sample inspected, measured and certified. The final product was completed with the issue of a calibration certificate with an uncertainty of measurement of one tenth of a micron.

All this culminated in the customer now satisfying some of the most rigorous requirements in their market sector, for a specific and demanding need, giving customer and Alan Browne more regular business opportunities.

If you have problem in obtaining your required surface finish on virtually any material, **steel, ceramic, tool steel or even carbon fibre**, or just want to improve your quality, then do please give us the opportunity to research and solve it for you.

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