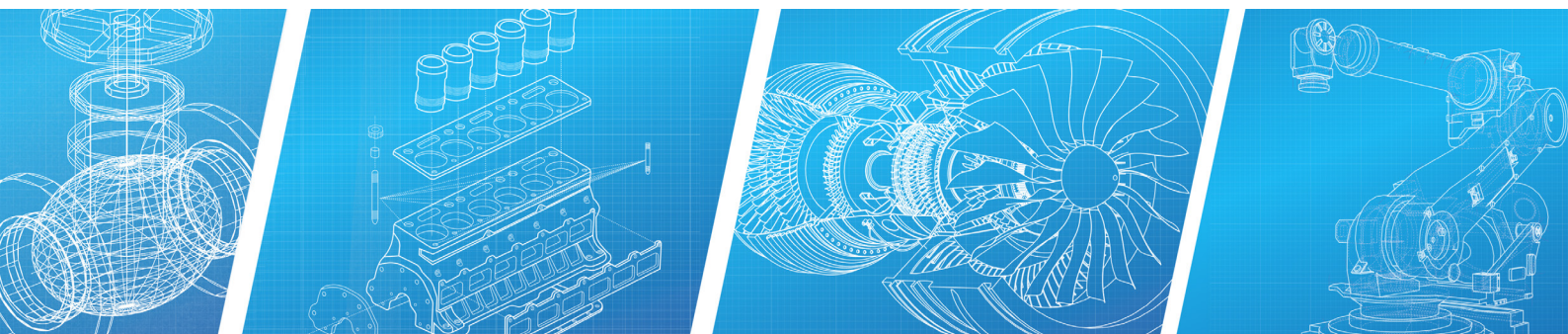


AES Precision Engineering



Company Name: AES Precision Engineering

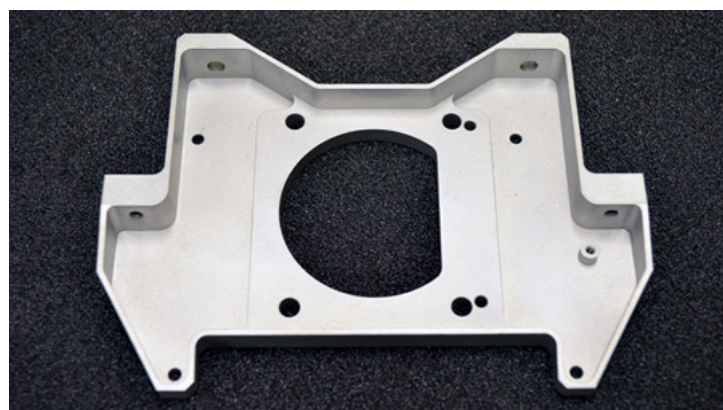
Location: Ashford, UK

Industry: Precision Engineering

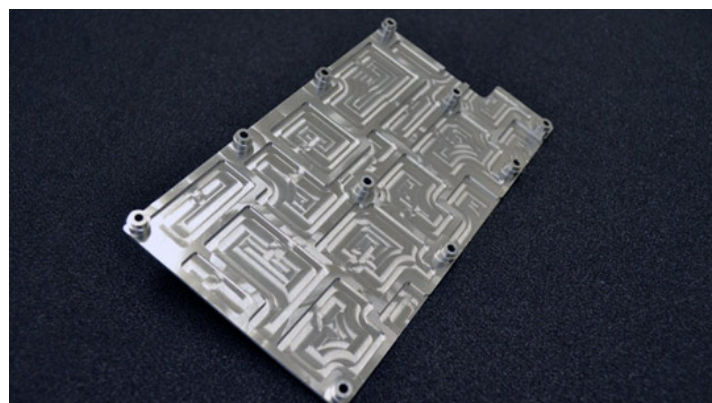
Products Supplied: Trimos V5 Manual / Motorised Height Gauge

APPLICATION BACKGROUND

Based in Ashford, Kent, AES Precision Engineering offers a variety of services including CNC milling and turning, and new product development services including full mechanical design. Family run since 1987, AES Precision has two generations invested in the company who have built a team of hardworking, enthusiastic people to drive the business forward.



AES Precision has recently expanded its facility, including a full refurbishment, as well as investing in new machinery and processes to improve its services and strive for continual improvement in all areas of the business.



Services include traditional 3 axis CNC milling and high speed 5 axis simultaneous milling, allowing AES Precision to produce complex, high precision components used by some of the largest manufacturing and technology companies in the world.

The business also offers 24/7 lights out production with its fully automated process, offering customers great value and rapid production times. The Turn/Mill Turning Centres also enable AES Precision to produce high quality complex parts more efficiently. Turned parts manufactured by AES Precision are used in a wide variety of industries, including; medical, defence, aerospace, automotive and electronics.



THE CHALLENGE

As AES Precision serves industries renowned for their precision component parts, quality is extremely important. The business also offers First Article Inspection Reports (F.A.I.R), including tailored reporting and data collection to suit the individual requirements of clients. This, along with a fully traceable QMS system, means that AES Precision's quality system meets or exceeds the requirements of most clients manufacturing needs.

AES Precision typically uses a CMM for the measurement of complex components. For basic parts requiring quick and accurate measurements, however, a simple solution was needed that would be fast and easy to use. The business previously used a basic digital height gauge, but decided it was time to upgrade to a more sophisticated model with a few more features.

THE SOLUTION

Bowers Group supplied AES Precision with a Trimos V5 vertical measuring instrument, which can either be manually operated or motor driven. With a clear display and user-friendly functions, the Trimos V5 offers exceptional ease of use; so easy in fact that all shop floor operatives and inspectors at AES Precision use the height gauge on a daily basis.

Having the option of both manual and motor-driven operation means the height gauge can accommodate multiple users and achieve consistently accurate measurements regardless of which mode is used. The side probe holders enable measuring with long, robust probes, which guarantee excellent repeatability. AES Precision calibrates the height gauge in house at recommended intervals to ensure consistently accurate measurements.

COMMENTS

Mark Wilson, Director at AES Precision Engineering, said: "The Trimos height gauge is a great solution for our general inspection requirements. We have strict quality control procedures, and must meet tight tolerances, so accuracy is incredibly important to us.

We find the height gauge very accurate, and it has a great range of functions to suit our needs. Training was very straightforward and everyone here was confidently using the height gauge very quickly!"

