Award-winning Ad-Vance Engineering design and manufacture an extensive range of high- quality precision machined jigs, fixtures and die casts to enable the machining, production and measurement of our customers products.
Our success is based on experience in manufacturing and managing difficult assemblies to very high tolerances and is rooted in our ability to deliver on time and on budget-every time!

Our range of Jigs, fixtures and dies include-

High end machine fixtures used on a PCI 5 axis cnc milling machine
Fixtures supplied right hand and left hand
Integral high pressure hydraulic circuits operating at 100 Bar line pressure - including work supports, non-return valves and pressure check valves,
Hydraulic clamping using Enerpac, Roemheld and Kraftek products
Integrated air circuits to include part variant detection, part seating and poke yoke
Integrated spring loaded part seating.
Ad-Vance Engineering operations are supported by a full range of the latest Lathes, vertical mills, surface and cylindrical grinders, plus wire and spark eroders We deploy the latest Solidworks CAD software to maximise design productivity and manufacturing resources.

We can also offer a range of powder coating, electroplating and hardening options for finished products
Our current order book includes fixtures currently being despatched to a major global company in the machined aluminium casting industry.

Our customers trust us because our skilled engineering team have a genuine expertise in delivering high-quality precision work based on understanding our customers` project needs across a multitude of key industry sectors

We are skilled at machine tooling, jigs and fixtures in a range of materials including copper, brass, aluminium, stainless & tool steel, engineering plastics, bronze and other ferrous and non-ferrous metals.

All fixtures can be supplied with an inspection report if required,

Ad-Vance Engineering is proud to have been accredited to ISDO 9001:2015 Quality and 14001:2015 Environmental standard