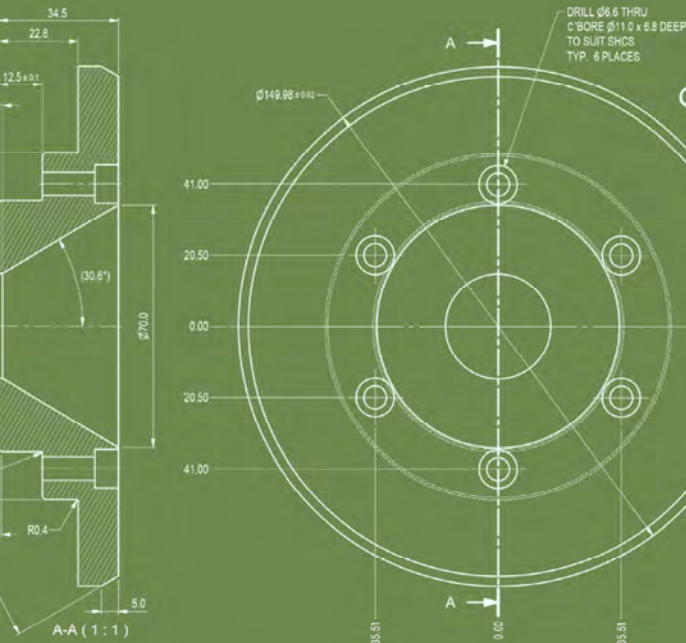


BE BROOK ENGINEERING

Expert engineering designers, precision machinists and toolmakers
collaboratively creating clever solutions for our customers



design
manufacture
consult
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A family
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BROOK ENGINEERING SERVICES AND CAPABILITIES

Brook Engineering has been a trusted partner in the engineering sector since 1991. We pride ourselves on being local, approachable, and highly responsive to our customer's needs. Our customer focused approach ensures that we deliver cost-competitive, efficient, high-quality results. We specialise in bespoke solutions for complex, low-volume projects. That said, we house the capabilities to take on challenging projects of various scale and relish new opportunities from any industry.

Mechanical design

In-house advanced design work and CAD modelling, FEA and simulation, detail drawings, R & D. Reverse engineering, part and product design, and design improvement.

Special purpose machinery/equipment

Design, manufacture, development and commissioning of turn-key bespoke machinery/equipment for automation. From gauges and fixtures to fully automatic machines. Equipment safety, risk assessment, guarding design and manufacture. Modifications to and replacement parts for customer's existing machinery/equipment. Rapid response to customer's machinery breakdowns, examination of failures, improvements in design of parts for increased durability.

Advanced CNC machining

CNC milling machines (3 to 5 axis), turn-mill lathes, in-house CAM programming. Low volume manufacturing, fast turn-around. Steels (including stainless), aluminium, brass, copper, titanium, plastics. High precision, tight tolerances, interchangeable parts.

Electrical discharge machining (EDM)

EDM wire cutting, drilling and die sinking.

Injection moulds, press tools, etc.

Design and manufacture of plastic injection moulds, part design improvements for moulding, design of plastic components. Mould repairs and modification. Press tools and general tooling.

General machining and fabrication

Manual milling and turning. Precision surface grinding, boring, keyways, light welding and fabrication, drilling and tapping.