



WATER JET CUTTING

This process utilises a jet of water pressurised to several 1000 PSI that is then forced through a nozzle to produce a jet of water thinner than a human hair that in a pure water form can cut rubbers, plastics, sponge's paper and many other materials to many inches thick extremely accurately. It is a fully computerised process using a CAD System to control the head and cutting jet. With the introduction of an abrasive powder. It is capable of cutting Steels, Titanium, Inconel and other metals as well as composites like Carbon Fibre. With the advantage that with extremely localised heat generation it produces zero or minute blackening on the cut edge.

Water cutting has tremendous advantages over traditional manufacturing methods when dealing with thick rubbers and sponges or when ultra-accurate or complicated gaskets are required. It also comes into its own when customers are developing new products and require one's and two's of different components as it doesn't require tooling, infinite variations on dimensions are possible with a few simple keystrokes at the processor controller.

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