



Design  
gauges fixtures  
production tooling  
3D modelling  
partnership  
project management  
edm electrodes  
Design and build

**BWP**  
THE ERODEX GROUP  
Design and Technical Services

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Production Tooling  
3D Modelling Partnership  
EDM Electrodes  
Design



Since its foundation over thirty years ago BWP has been providing a fast, first-class design service to industry and the aerospace sector. Now, as part of the Erodex Group we can offer a full project management, procurement, build and certificate service to make BWP a one-stop-shop for all of your design, tooling and EDM electrode needs. All aspects of any project are simultaneously designed by one team to provide a streamlined process, optimum technical solutions and shorter project lead-times.

It is our goal to build partnerships that make us an extension of our customers' own design team.

## Services Offered

### Jig and Tool Design and Build

BWP offer the complete design service for tooling using Unigraphics (Siemens NX) and Autocad software. We are able to provide Schemes, 2D Drawings and 3D CAD models as well as a full project management solution for new design projects from inception to completion. Once designed, any tooling can be provided fully certificated and ready to load onto your machine. In the case of EDM tooling, it can be test-loaded with graphite electrodes and supplied ready to run with total confidence.

*The design, drawings, models, tooling and electrodes all from one source.*

### 2D - 3D Conversion

BWP can provide full 3D CAD models from any 2D print supplied by the customer. We include a re-drafting service to allow you to have all old drawings brought up to current drawing and design standards.

### Electrode Design

Working with the Erodex machine shop BWP is now able to supply a unique electrode design service. We can improve the accuracy of finished sparked components by involving our electrode manufacturing team at the outset of the design process and provide an electrode-led design solution. The result: less scrap and rework in the finished parts. Our electrode design service includes a re-design and re-drafting option where we work to optimise the use of existing EDM tooling.

### 3D Printing

To enable the customer to physically see and handle design parts, BWP can offer to produce 3D models in ABS. This facility for rapid form-fit prototypes can dramatically reduce the cost and risk of future reworks and tooling modification.

### Special Purpose Machinery and Automation

BWP offer a full solution to specific manufacturing automation problems. Machines are designed, built and commissioned to suit the customers needs for increased production speeds or higher levels of automation.

### Advantages of BWP/Erodex

Between BWP and Erodex there are over sixty years of experience in the design and manufacture of tooling for all stages of component processing, fixturing and EDM electrode production. We offer a full project management service for any new design project, giving the benefit of a single point of contact for all tooling and electrodes, optimal co-engineered parts, shorter project lead times and cost and risk reduction.

- Project Management Service
- Single Point of Contact for all aspects of design project
- Simultaneous design
- Shorter project lead times
- Cost and Risk Reduction