

## *PROJECT PROFILE*

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**Project:** Bench Mounted (RF) Polymer Forming Equipment

**Product/Process:** 50'Ω radio frequency technology

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### **Summary:**

Supply of enhanced bench top machines which can be incorporated easily with other processes.

Each unit comprises of a radio frequency tooling head that can be selected for polymer forming, shaping, cutting or welding operations. This offers high precise power



### **Description:**

Following the successful introduction of its trolley mounted RF units, Petrie has now produced a range of enhanced bench units for polymer forming and shaping operations. Each bench comprises of a radio frequency tooling head that can be selected for polymer component forming, shaping, cutting or welding operations. The bench units have the added advantage of being able to combine additional processes, giving the customer a bespoke workstation.

Used for a variety of applications, the forming benches can complete processing operations in less than one second. Each unit incorporates the latest 50'Ω radio frequency technology giving precise power control, which almost completely eliminates rejects. The unit's PLC control allows recipe control for different products and enables unique power profiles to be developed for individual components.