

# Welcome to Dynamic Arc...

Specialists in automated welding systems with expert knowledge and capability in:

- Design
- Manufacture
- Refurbishment
- Procedure Development.

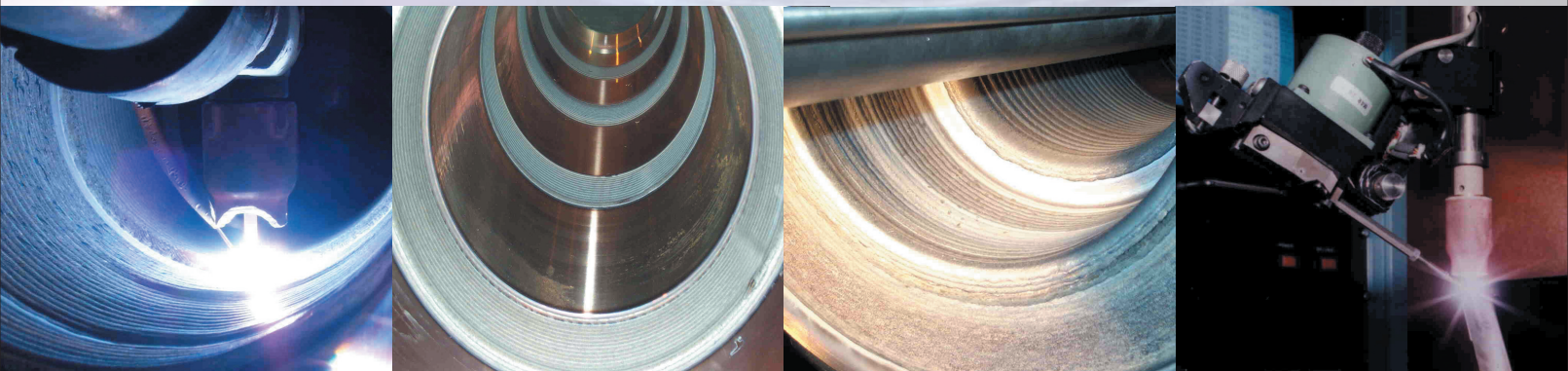
Dynamic Arc provide customised automated welding solutions for a diverse range of applications using TIG, MIG and Plasma welding processes. Projects range from dedicated, semi-mechanised systems to highly flexible, fully integrated, turnkey packages.

Whether your needs are application specific or for maximum versatility; if you have space constraints, difficult geometries or need special functions, Dynamic Arc can create a cost effective solution.

From concept through to operational support Dynamic Arc will work in partnership to help you achieve your objectives.

## **Our application portfolio includes;**

- Cladding of sub-sea valves and pipes.
- Manufacture of aero-engine fan blades and outlet guide vanes.
- Repair of aero-engine compressor blades.
- Fabrication of stainless steel switch boxes.



## Upgrade & Refurbishment

Upgrade and refurbishment offers a highly cost effective alternative to the purchase of new equipment. The addition of Dynamic Arc's unique control system and a new motion package to an existing machine not only renews the operational life of the machine but also adds significant improvements to its capabilities.

The scope of the upgrade process can range from the replacement of selected machine components to the complete refurbishment of the entire system

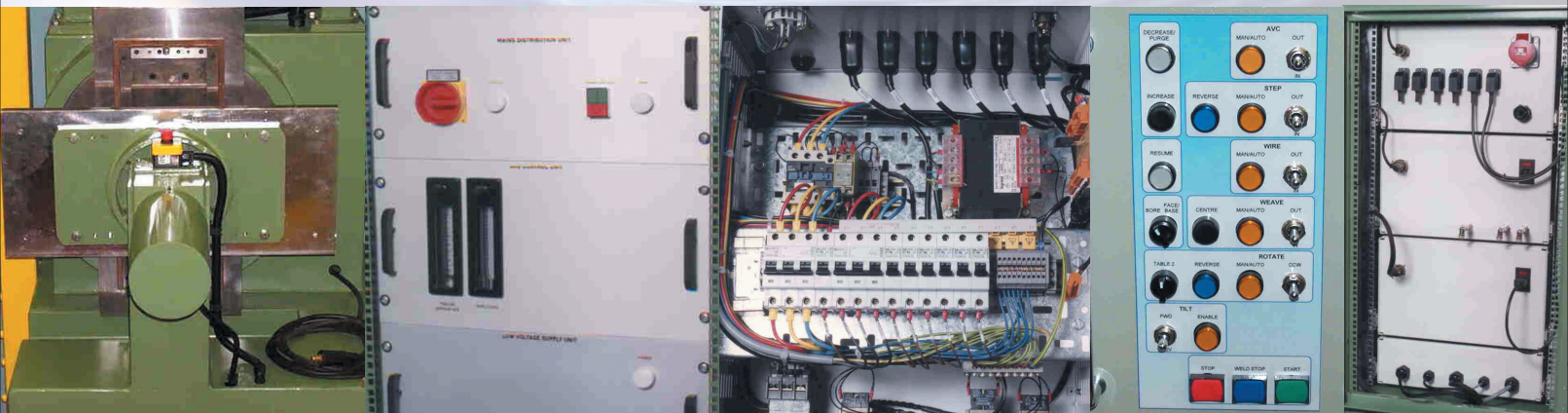
## Integrated, Programmable Control

Dynamic Arc uses a unique, PC based system to provide integrated, programmable control. Integrated control means that all of the machine elements are controlled from a single source, ensuring precise coordination. Programmability adds the benefit of automatic sequencing and ensures excellent repeatability. The digital technology provides accuracy, precision and stability. The result is consistent quality, high accuracy and efficient use of resources.

The software is menu driven so it's easy to use and has an array of welding specific functions. Flexibility is a key feature, it is user programmable and configurable so that extra actuators and sensors can be added and then controlled from a program. It can do calculations and surface probing, which means that it can generate its own, component specific procedures from generic programs.

This powerful flexibility makes the controller an ideal platform around which to build customised machines for an unlimited variety of applications.

**Contact Dynamic Arc today to discuss your automated welding system requirements.**



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