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Merlin Control Systems Ltd is a company of specialist engineers, systems integrators, working in the automation and control of industrial machinery and processes. We cover virtually all industrial sectors, but we have particular expertise in resistance welding machines, wire mesh welders, spot and projection welders etc. We manufacture our own range of cost-effective, easy-to-use resistance welding machine controllers (timers) and weld monitors.

We get heavily involved in the repair, refurbishment and upgrade of welding machines, such as wire mesh welders by Schlatter, EVG, Clifford, Ideal etc including full modernisation with all-new controls. Older machines can be upgraded using servo drives for faster and more accurate mesh production and reduced change-over times. We also work with other wire machines, such as straightening and cutting machines, wire bending and forming machines etc.

We also buy and sell used machines of this type, and manufacture bespoke, special purpose machines to suit customer's requirements.

Our business also covers a range of activities from the design, construction and installation of an entire new process control system, down to small electronic "specials" of our own design. We offer the complete service, design, electrical panel building, on-site wiring and installation, programming and commissioning. Bespoke specials and "one-offs" are routine for us. We also get heavily involved in machine upgrades and refurbishment with new controls, including on-site work with least-possible downtime, and the provision of safety systems to bring machines up to a modern and safe standard.

We are specialists in the areas of PLC controls, servo and positioning systems, HMI (display and keypad) systems, motor drives and inverter units, and SCADA packages. We are an approved "Solution Provider" for Mitsubishi Electric, although of course work with the systems of other manufacturers as well, particularly Allen Bradley, B and R, Matsushita and Omron. We supply some of the "household name" companies in the UK, like Philips and Komatsu, and are an approved supplier for Nissan Motors UK.

We like to think of ourselves as problem solvers, able to offer our customers a professional and cost-effective service for all their control and automation requirements.



New control cabinet for a Schlatter mesh welder, including PLC system, safety interlocks, dual servo drives, four weld controllers, and water cooled thyristor units.