

Control Panel and Automation



Control panels allow a central point for all of the electrical items to be wired into and monitored. Each item can be individually connected to your mains electrical supply if a panel isn't required, but on medium to large lines there can be a lot of equipment so it isn't always practical to do this. Having one main panel can reduce the need for a lot of mains isolators, as everything will be run from one place. Heater temperatures can be monitored and adjusted, timers can be set so that the heating comes on early in the morning, allowing operators to begin work straight away as the tanks will be up to temperature. They can be used for a variety of items such as heating, level protection, pumps, pH monitoring, water top up, extraction fans etc. Alarms and light beacons are also used to warn operators of any faults, to allow for easier diagnosis. These panels can still be used even if the process line is manual, it just makes operating the line a little easier.

Our panels can also incorporate a PLC, this can do everything the above panels can but from a screen rather than individual buttons. PLC's can also be programmed to offer full automation, reducing the amount of time and operator needs to spend on the line and also reducing the risk of errors being made or short cuts taken. The transporter will only carry out the process in the PLC confirms all of the pre set parameters are met, such as tank temperature or pH. This helps to avoid rejects and waste.







This panel incorporates a PLC to provide full automation to an electroplating line via a transporter unit on a track. We allow for pre setting multiple programmes so you can start processing as soon as we have commissioned. We understand that if issues occur later down the line that downtime can be an inconvenience or very costly. We allow for a WIFI connection within the PLC to allow us to remotely access the panel when assistance is required (only with your permission).

This panel was for a manually operated line, but still has a small plc to incorporate some programming as per the customers' requirements.



This panel is for the Fume Extraction and Scrubber unit. It powers the fan and allow for the Scrubber to operate automatically by monitoring the pH levels and dosing via a pump as and when required. This reduces the risk of error by an operator, and saves time.

 <p>Balco Engineering Limited</p>	<p>Registered office: Unit Z, Hamstead Industrial Est, Austin Way, Great Barr, Birmingham, B42 1DU</p> <p>Reg. No: 1414313 VAT No: 294 5870 13</p> <p>Tel: 44 (0) 121 358 1456 Fax: 44 (0) 121 357 4159 Email: info@balco.co.uk Website: www.balco.co.uk</p>	 <p>nqa ISO 9001 QUALITY MANAGEMENT</p> <p>UKAS MANAGEMENT SYSTEMS 0015</p>
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