



## Broughton Printers

Riello MHT160 Industrial IGBT based rectifier UPS, high efficiency 3PH UPS

**B**roughton Printers had an old Emerson UPS that was faulty leaving them with an unreliable backup system for their press drives and associated computer management systems. Broughton wanted to increase the capacity of the UPS and also to have the capability for future expansion. The replacement UPS is to operate with Prima software as used by Broughton and supplied by Harland Simon plc.

Harland Simon UPS Ltd provided a UPS system which would initially support 128kW for 60 mins with the option to increase the load to 140kW/40 mins autonomy. We supplied and installed a Riello MHT160 Industrial IGBT based rectifier UPS, high efficiency 3 phase UPS and open battery rack (reduced height to fit in specific space available). Prior to installing the new system, Broughton had installed a custom bypass/distribution panel and had arranged to remove all old equipment and batteries.



HS plc provided additional functionality to the Prima MS to monitor the status of the UPS. By utilising some proprietary communications software (PowerShield) HS plc provided the necessary interface to display UPS status information such as input voltage, applied load and battery capacity.



Broughton has a long established relationship with our sister company, Harland Simon plc, providers of management systems, press drives and controls for the printing industry. When our colleague made a routine visit to Broughton, an issue with the power problems; including outages and spikes potentially causing expensive damage to control boards was discussed. HS UPS were invited to carry out a site survey to assess the requirements for a replacement UPS system to meet existing and future needs.

Neil Sydenham, Project Manager HS UPS, said " *it was a pleasure to work with Broughton Printers, the equipment was delivered on time and the AC installation and battery build was carried out with no problems. Following the installation, our engineer was asked to return and assist while Broughton Printers relugged some feeder cables on a change-over switch, he then repowered up the UPS and confirmed that everything was running as expected.*"



"*HS UPS responded immediately to our request for a replacement UPS system, working within the available budget and installing the system within the time plan requested.*" Ron Parker, Engineering Manager, Broughton Printers.

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