



Cutting edge

Compact 1520 Power Cutters from Bahco can cut up to 3.8mm thick piano wire, despite an overall length of only 210mm. High frequency hardened jaw cutting edges, and an enhanced joint construction for higher leverage, ensure less effort is needed for heavy duty cutting work, such as fencing and rigging.

There are two models of Cutters, both constructed in heavy duty, black oxidised chrome-vanadium steel but with different handles. The 1520G has two component handles with a thermoplastic surface over tough polypropylene. This ensures a wide surface to spread load on the hand during use, while providing excellent grip and comfortable use.

The 1520D has slimmer, smooth, low friction plastic dipped handles, designed to be easy to insert or remove from a tool belt.

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eGard in control

Fortress Interlocks' eGard system can be installed on machinery guarding in minutes, saving costs and time for OEM manufacturers, machinery guarding suppliers and end users.

eGard is a versatile, modular system for machinery guarding applications, combining both access and control technology in one unit. Its internal network is self-configuring; it mounts simply on extruded aluminium (no drilling or brackets required) and features a quick disconnect as standard.

Connecting the electrics merely requires attaching the quick disconnect cable. The available actuators are equally simple to connect to any sliding or hinged door. If circumstances change, modules can be just as easily added or removed.

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Razing the roof

A six-fold increase in throughput volume is now being achieved by one of the country's leading suppliers of rubber and metal finishing services, with the aid of a purpose-designed system from the Mac'Ants Group.

The installation, at the Birmingham premises of Blastrim, is based around a combination of a blast cabinet developed and supplied by Mac'Ants 'METS' surface preparation equipment division and selected abrasive media from the company.

The facility is dedicated to removal of flux deposits in four specific welded areas of sunroof frames destined for a highly prestigious OEM. Blastrim's customer — specialist manufacturer Webasto — uses a weld in each of the frames' four corners to

fixed short tubes that in turn link to the panels' drainage system.

Necessarily, this can leave deposits from each weld that, unless removed, can inhibit the eventual painting process and could potentially affect the high quality for which the marque has a leading reputation. Originally processed by hand, the procedure has now been fully automated with the Mac'Ants equipment enabling Blastrim to meet significantly increased production turnaround requirements

Each of the four nozzles directs Mac'Ants' chilled iron shot at the target areas which, after impact, falls into a collection chamber at the base from where it is automatically re-circulated. A suction system is used to



remove particles as they eventually erode to dust although the suitability of the media for the application is such that Blastrim needs only to make infrequent top-ups to the original 50kg load.

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Hard case of enclosure



For tough environmental conditions in the process and manufacturing industries, Rittal recommends its TS 8 stainless steel enclosure range with brushed surface grain size 240. Using the TS 8 floor standing baying system with laser-welded frame for high

stability, the surface gives ample protection against various liquids, cement, corrosion and dust where a clean surface is required in the food or processing industries.

The fully symmetrical design of the TS 8 system creates more installation space, with sizes ranging from 1600mm to 2000mm in height and 3 depths of 400,500,600mm. Single door enclosures of 600, 800 or 1000mm wide and double door enclosures 1200mm wide, combine with a range of accessories.

Frame sections connect back to back, or in U, L or T shapes. Doors have foamed in seals and achieve a protection category of IP55 to EN 60529 / 10.91.

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Faster worker

FS03 from Kawasaki is a compact multi-purpose robot designed as a portable model at the smaller end of the range. The robot is an advanced 6-axis arm and boasts the highest speed in its class — some three times faster than the previous FS02 model with a higher payload of 3kg. Weighing just 20kg and with a 17 x 21.5cm footprint, the FS03 and its ultra-compact D 70 controller operate from a single phase 240 volt supply.

All axes offer superior high-speed operation with reliability and precision under the most stringent operating conditions. With an industry standard cycle test of typically 0.4 - <0.5 sec, the robot can be stationed in most operating positions including floor, wall or ceiling



mount. Constructed to be compatible with Class 10 clean room operation and IP67 wash-down variants, the robot has already found success in the electronics and pharmaceutical industries.

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Welwyn's new plastic extruder

The latest in computer-controlled plastic welding — the new Leister Weldplast S4.0 hand extruder from Welwyn Tool Co can handle a variety of different material thicknesses, from 6 to 20mm.

The S4.0 extruder features a brushless, maintenance-free motor for generating preheated air, and a powerful drive system capable of producing an output up to 4kg / hour. It eliminates re-configuration of welding parameters for different materials as the user simply inputs the material to be welded via a digital display. Temperature and speed are automatically adjusted.

With conventional welders damage can be caused by activation before the plastic inside is hot. An advanced built-in cold start protection facility eliminates this problem, de-activating the gun until extrusion temperature is reached.

The tool is designed for twist-free welding for 3 and 4mm diameter rods with feed from both sides and with adjustable welding shoes.

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