

Band saw machines

The LS Starrett Company is introducing its range of band saw machines to the UK.

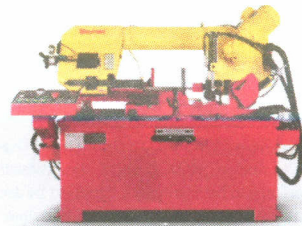
Graham Munro, technical support team leader, says, "With attention paid to critical features, such as the diameter of the band wheels that are designed to minimise blade fatigue, we know the machines can deliver the cutting performance Starrett customers expect."

The range starts with the S1101 bench band saw. Weighing just 23kg, it has a sturdy base and a die cast aluminium bow for rigidity and durability. It can

cut tube to 100mm diameter and structural section material up to 100 by 150mm using the Starrett 13mm wide band saw blade.

All gravity feed and semi-automatic band saws feature Starrett's Dynamometric blade tensioning which allows the operator to correctly tension the blade without any tools.

With features often only available as extras on other machines, the S6330 tops the Starrett horizontal band saw range. It has been designed for use on harder metals, supporting production volume runs and programmed cutting



operations. The twin cylinder columns have a 400mm by nine feed range with a single piece cutting capacity of 300mm round or square, and a maximum bundle size of 230 by 130mm.

Contact
T 01835 863501

Speedy spot welding robot

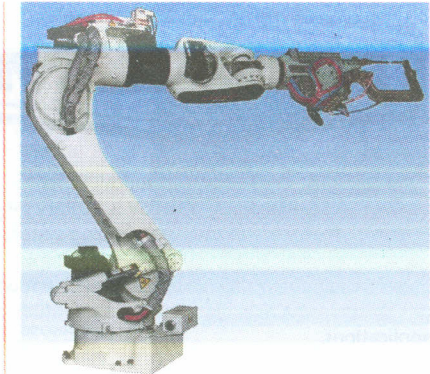
Kawasaki Robotics has introduced its latest spot welding robot range designed to meet market demand for faster welding speeds.

The B-Series has a small footprint of 0.5m wide and is suitable for densely populated robot cells, or stand-alone cells, where minimal space is available.

A slim, lightweight arm design and high-output motors, together with anti-vibration

control technology, have helped reduce the time needed for short-pitch movements. Two payload variants, 100 and 200kg, provide repeatability of ± 0.2 mm and linear speeds of 5m/s making the range suitable for high-volume spot welding requirements. The cable has been integrated into the robot, preventing process snagging and eliminating cable positioning variables.

T 01925 713000



Industrial Process Technologies News

Kemo®

The **Kemo** range of DIN rail mounting filters are a fast, easy to install, solution for many, small noisy signal problems. The combination of configurable input, gain, plus a flexible range of signal filters, make the **Kemo** DIN rail filters an ideal choice for many signal filtering applications.

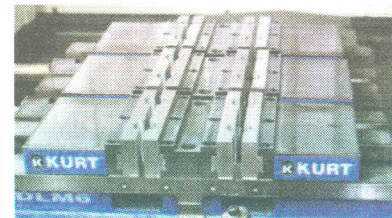
Kemo manufacture a wide range of signal conditioning filters, small noisy signals are our speciality. The **Kemo** range includes filter modules through to



Leader releases quick-change jaws

The patented CARVEsmart quick-change vice jaw system, made in the US by Bellatex, is now available in the UK exclusively from Leader Chuck Systems. Providing a number of benefits, the jaw system has been developed to simplify set-ups for production and toolroom vices. It uses a dovetail interface, proven in numerous industrial applications that require mating components to join together accurately, to quickly locate and secure the jaws.

With conventional vices, jaws attach to the



face of master jaws via cap screws. However, the CARVEsmart system uses master jaws with a female dovetail profile designed to accept vice jaws with a male dovetail profile. As a result, jaws can be front-loaded or slid

into the side of the master jaws, and are secured via clamping elements that provide downward pressure to keep the jaws in place. Jaw change takes less than 1 minute.

Extruded aluminium jaw blanks are available in widths of 19 x 50mm, 25 x 57mm and 50 x 75mm, and lengths of 150, 790 and 2,400mm. Additionally, dovetailed 19 x 50mm EN32B steel barstock is available in 150 or 790mm lengths.

T 01827 700000
www.leaderchuck.com

Bonding instead of welding

A research team at the University of Northumbria in Newcastle, England, has conducted extensive experiments with various adhesives – also a WEICON product was among those tested.

The aim of the experiments was to find out whether gas pipes can better and more economically be connected using adhesives instead of the commonly used electrofusion



In test series in which tensile and impact energies were brought to the bonding, WEICON Easy-Mix PE-PP 45 scored the best