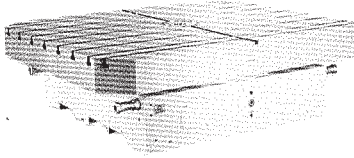


Supports multi-axis manufacturing

Leader Chuck Systems has recently added the Exact Machinery range of precision CNC rotary tables and indexing units to its extensive product portfolio.

The NCT, TRT and ERT range of worm and wheel drive CNC tilt and turn rotary tables are available in a wide range of sizes, from 125 to 500mm diameter. They feature a wear-resistant design with high rotational torque, dynamic accuracy and easy installation and



maintenance. Rotary tables expand any machining centre's production capacity.

Mounted in either a horizontal or vertical plane, these tables are used to add 4th and 5th axis capability.

Tel: 01827 700000

Rapid 2D measurement

Featuring intelligent Saphir QD software combined with the speed of the VideoCAD Rapid measurement station, the VideoCAD Rapid high definition 2D measurement device is claimed to be ideal for manufacturers of multiple and varied components such as stampings, pressed metal parts, gaskets, gears and cams.

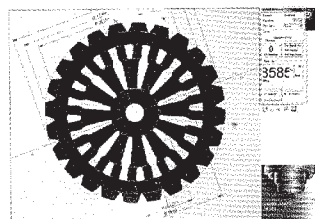
Interacting directly with the

components on the workstage and automatically taking dimensional measurements as soon as the user's hand leaves the measurement area, Saphir software can measure several identical parts or several different parts instantaneously – no fixturing required.

Components can be placed on the instrument stage in any orientation. After setup, repeat measurements are carried out without even pre-loading a template. The software recognises the shape and measures automatically, identifying a pass/fail instantaneously.

VideoCAD Rapid will be on the Spectrum Metrology stand (4392) at MACH 2016.

Tel: 0116 276 6262



Boron and formaldehyde free

TRIM MicroSol semi-synthetic coolants from Master Chemical boast high mechanical lubricity and the ability to optimise production costs through higher cutting quality, longer tool life and long sump life.

A recent addition, TRIM MicroSol 519 is based on the chemistry of TRIM MicroSol 690XT, a product that has enabled aerospace manufacturers, in particular, to boost productivity and compatibility across a range of manufacturing materials.

TRIM MicroSol 519 is its general purpose counterpart, introduced at the request of customers requiring a medium to high performance coolant that provides compliance with the strictest health and safety guidelines. It provides medium to high levels of lubrication without the need for chlorinated or sulphurised extreme pressure additives.

Tel: 01449 726800



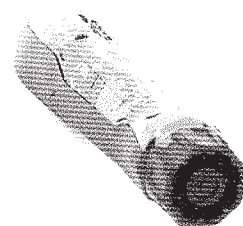
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Digital scale mechanical torque wrench

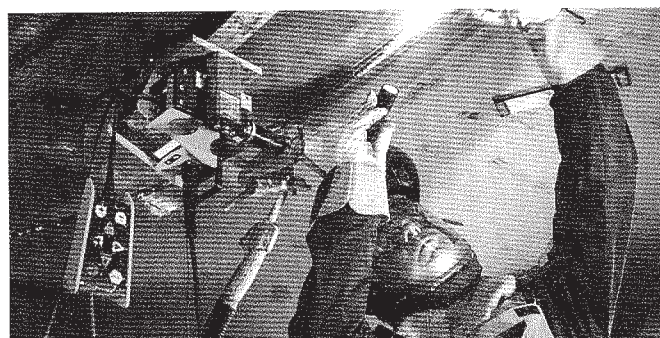
Norbar Torque Tools' new digital scale mechanical torque wrench for industrial applications, the ClickTronic wrench, combines the proven mechanism of the company's popular Professional wrench, with a new easy-to-read display to significantly reduce setting errors.

The new wrench is accurate to within $\pm 3\%$ of reading, which meets and exceeds ISO6789:2003, and has multiple torque units.



Additional features include a USB charging point, which uses a rechargeable lithium ion battery, and a push/pull lock and adjustment knob, which has a coloured band to clearly indicate that the wrench is in an unlocked position and ready to be set.

Tel: 01295 270333



Mechanised MIG systems

New from Kemppi, the A3 and A5 MIG Systems offer welding mechanisation equipment for straight line or orbital MIG/MAG welding applications.

The A3 MIG System is a durable and simple straight rail solution. Battery powered, the A3 torch

carriage is said to be an ideal and low cost solution to mechanise longitudinal welding and cutting process.

The A5 MIG Systems offer integrated welding carriage solutions for either straight rail or orbital MIG welding, incorporating a weaving unit, remote control, plus either straight rail or guide ring sets for orbital MIG welding.

Tel: 01234 832620

Force and material testing solutions

Starrett's recently launched turnkey system solutions and test frames for materials testing, force analysis and force measurement are designed to simplify the creation and performance of the test function, as well as management of the test results.

Test frames for material measurement and force measurement are available in single column format for maximum load capacities of 500N, 1000N, 2500N and 5kN, and dual column for 10, 30 and 50kN. The vertical test space ranges from 559mm in increments to 1270mm for both the material and the force measurement testing frames, which provides plenty of sample material space.

For efficient loading and positioning the maximum vertical travel rate of 1525mm/min applies to all the testers. The minimum speeds

differ, with the force testers' travel controlled down to 0.05mm/min; the material testers go to a lower 0.001mm/min to ensure maximum data capture at the point of yield or fracture.

Tel: 01835 863 501

