



*The Y3B wire-cut edm has been developed to meet what Bridgeport see as a growing edm production market*

its share of this market with its latest machine. The Bridgeport Y3B cuts at rates of up to 250 mm/hr through 25 mm steel. Computer-compensated ball lead screws and diamond wire guides promote accuracy even with the most rapid feeds; a rigid construction and the close control of dielectric fluid temperatures, contribute further to the machine's overall accuracy.

Control is through a JAPT 3F cnc system which has conversational programming for manual data input at the machine. The contents of any program block can be displayed on the crt of the control and insertions, deletions and revisions of programs are simple. Automatic edge finding and hole centering are standard features of the control, as are circular and linear interpolation facilities.

Two power supply monitoring systems control the machining conditions. BASCON I ensures that the best machining rate is maintained through varying thicknesses in the workpiece — in roughing operations for instance — whereas BASCON II controls skim cutting and similar

finishing machining.

Workpiece capacity is 500 × 400 × 150 mm thick, with workpieces weighing up to 150 kg, and the X and Y travels are 200 mm and 350 mm respectively. Axis drives are by closed loop DC servo motors. Wire electrode diameter is from 0.05 to 0.25 mm with a wire tension from 200 to 2000 gf.

Bridgeport Textron, PO Box 22, Forest Road, Leicester LE5 0FJ, UK

## Advanced manufacturing 'summit' planned for May 1985

Five international conferences are to be held alongside Automan '85 at the National Exhibition Centre, Birmingham, UK on 14–17 May 1985. The combined event is being billed as 'The Advanced Manufacturing Summit' and will be organized by IFS (Conferences).

The programme will feature: the 6th International Conference on Assembly Automation; the 3rd European Conference on Automated

Manufacturing; the 2nd International Conference on Robotics in the Automotive Industry; the 2nd International Conference on Automated Materials Handling; and the 8th Annual Conference of the British Robot Association. The Automan Exhibition will be held for the third time, and some 400 companies are expected to show the latest products relating to this technology.

Summit Director, AMS '85, IFS (Conferences) Ltd, 35–39 High Street, Kempston, Bedford, MK42 7BT, UK

## Ruled grating manufacturer expands into holography

Known for some years as manufacturers of precision replications of classically ruled diffraction gratings, the Optometrics Group has recently established a holographic laboratory to produce both standard and custom interference gratings and components. This facility can cater for virtually all diffraction grating requirements, the Group claims.

Now available from Optometrics is a fully-illustrated catalogue detailing their range of ruled and holographic diffraction gratings. The catalogue features custom master rulings, replica, high resolution and holographic gratings, in addition to end reflectors for dye lasers and tuning molecular lasers. Diagrammatic references and full product specifications are included.

The Optometrics Group, Unit D9, Cross Green Approach, Leeds LS9 0SG, UK

## Correction

In 'Residual stress determination by continuous electroetching' by A. Israel and J. Benedek (Precision Engineering, April 1984, 6 (2), 95–97) Eq 1 and 2 were misprinted. They should read as follows:

$$\sigma = -E \left( A \frac{de}{dA} + \epsilon \right) \quad (1)$$

$$\sigma = \frac{E}{L} \left( \frac{R-h}{2} \cdot \frac{dl}{dh} - l \right) \quad (2)$$

The data and figures reported in that paper were calculated according to the above equations and should be regarded as correct data.