

# Precision pre-setter range covers all angles



All four models in the Elbo Controlli line up of tool presetting machines are now available in Australia from Datum Engineering Supplies Pty Ltd.

Entry level model E238 is available with Panvision camera system and interchangeable manual spindle, as well as Toolive tool-life management software with a measuring range of 280mm diameter and 380mm length. Toolive is a shop-floor software program that allows the operator to compile a tooling table for machining that can be sent directly to the CNC via an RS232 serial channel.

With the ARA version, single-gauge (X and Z-axes measurements) are simultaneously displayed on a dedicated dial. With the Pulsar model, the Panvision camera vision-system provides definable zoom with 20x or 40x enlargements, and control bar focusing on the X and Z-axes, with visualisation of the measurement on screen.

Mid-range model E348 and the two top-range models E458 and E578 are available with two camera systems and interchangeable mechanical or vacuum-clamp spindle systems. All axes movements of these three models are servo-controlled with micrometric fine adjustment.

Measuring ranges are 380mm diameter and 480mm length for the E348; 480 and 580mm for the E458; and 580mm diameter and 780mm length for the E578.

Hardware features include: granite column and base construction; a 10.4in colour LCD TFT monitor with C-MOS image sensor, 640 x 480 pixel resolution; 6.4 x 4.8

mm (40X) screen area of view; 1µm measuring resolution; automatic recognition of the tool direction (left, right, upward or downward); amber LED lighting source; and, analogue to digital display.

Software features include: screen measure display; two focus control rods (X/Z) with peak indicator; analogue scale indicators for identifying the exact X-Z point of collimation; 1µm resolution, 80µm width; automatic full-screen measuring

mode, 1µm resolution; mode for automatic measuring of insert angles, 0.01mm and 0.01-degree resolution; manual measuring cycles with point assisted identification and result tracing; facilities to acquire and keep the tool profile overprinted; video marking of rotating angular grid; and, facilities to trace arcs and circles with adjustable diameter on the screen.

Datum Engineering Supplies 1800 232 120.●

## “Increase feeds by 37%. Double tool life!”

Chad Copeland, CNC Supervisor for Dieco Corporation, a leading tool and die company, knows the extra value of maximising feeds while increasing tool life.

“Our comfort level for feeds with Stellram is about 2.4m/min with good tool life, but we have run up to 3m/min at speeds of 1200 RPM and up.”

“With a competitor’s cutter, we could only achieve 1.8m/min. Nobody can match Stellram ... nobody.”

“Stellram’s grade SP6564 doubled the tool life in heat-treated material—up to 50 Rockwell—versus the competition.”

In addition to cutting tooling costs by 40%, Dieco is saving up to 30% on machining costs with Stellram’s new SP6564 milling grade.

Contact Datum today for the milling answers you need.



**New!**

Stellram’s new SP6564 substrate and coating provide reduced edge wear, improved chip flow and better heat removal for general purpose milling.

“It’s the one tool I can count on to work in all areas of the shop.”

Chad Copeland  
CNC Supervisor

**The milling performance you need in demanding applications ...**



On this H13 tool steel application, Stellram’s 7700VR button cutter and SP6564 grade inserts allowed for increased feeds—up to 2.4MPM, a 37% improvement—and doubled the tool life in hardened steel.



Head Office 2/40 Irvine Drv Malaga WA 6090  
Toll Free: 1800-232-120 • Fax: 1800-223-221  
Web Site: [www.datum.net.au](http://www.datum.net.au)  
Email: [sales@datum.net.au](mailto:sales@datum.net.au)

