

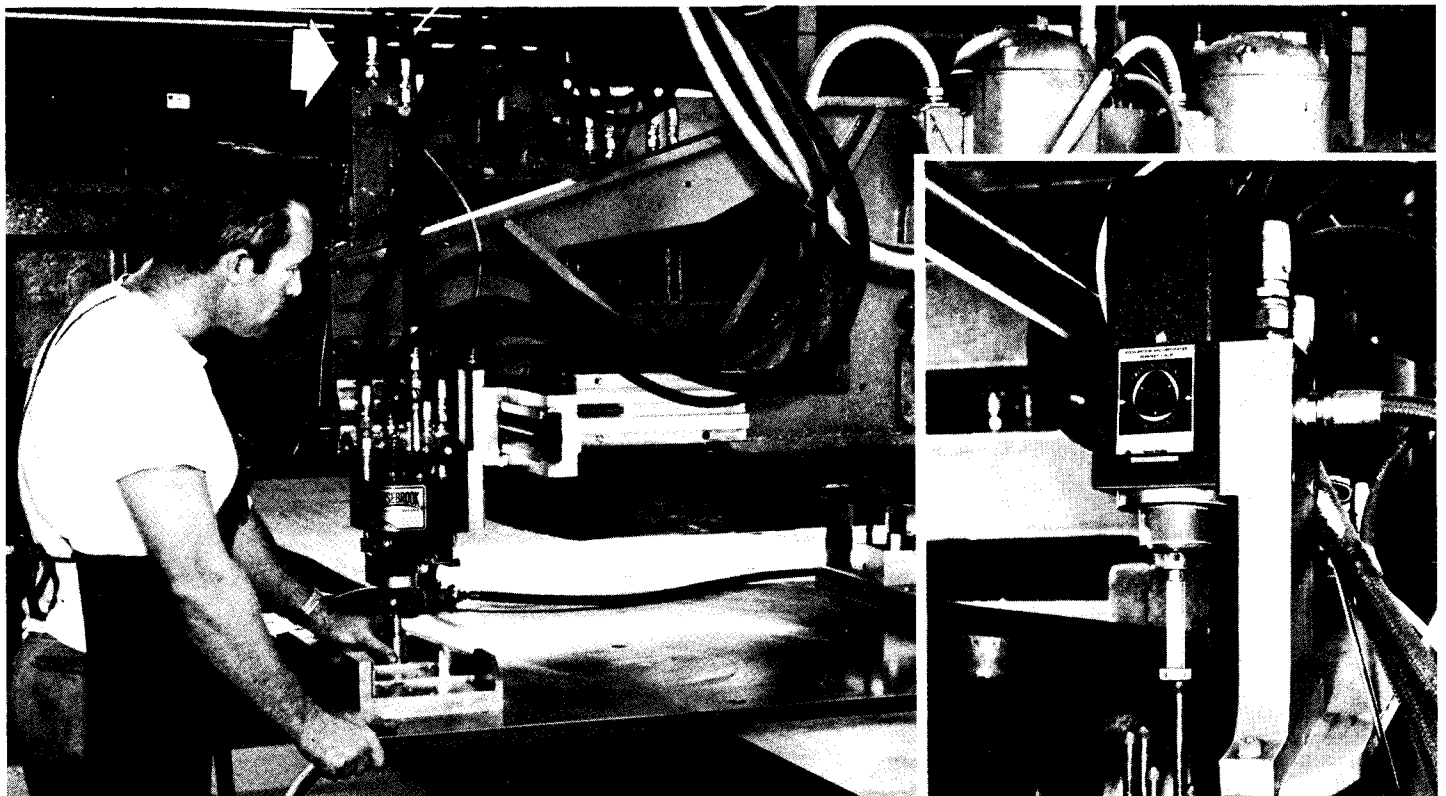
**ROSEBROOK**  
TRACERS INC.

# Rosebrook Single Axis Hydraulic Positioning Valves Model 1300

Model 1300 180° Hydraulic Super-Precision Axial Positioning Valve provides axial positioning control, with as close as .000020" repeatability in a static position, of single-axis movements of any machine tool. Most general uses of these valves are:

- Precision positioning of any hydraulically operated slide.
- Cam follower on spar mill.
- Depth control, working in conjunction with a turret stop — especially applicable to converting planers, small mills, etc., to hydraulically-controlled profiling machines.
- Keeping hydraulic presses leveled (two valves required; one to sense each leg of the press).

Model 1300 Valves are available in the 1300M manually-operated and the 1300S solenoid-operated models.



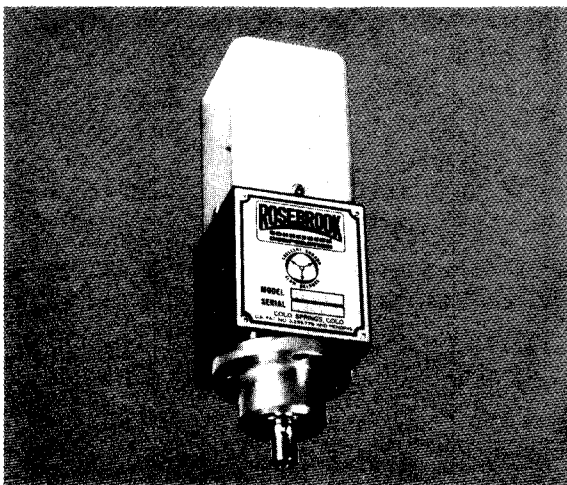
3D contour mill at Park Engineering and Mfg. Co., Buena Park, California, uses Rosebrook Model 1300S 180° Hydraulic Positioning Valve to control depth when profiling aluminum and steel aerospace parts.



model 1300m

The model 1300m is a single axis valve with manual retract. The 1300m uses an axial stylus which reacts only to end deflection.

Used primarily for positioning, the model 1300m manual retract unit is used in applications where the valve location is within reach of the operator.



model 1300s

The model 1300s is a single axis valve with solenoid retract. The 1300s features an axial stylus which only reacts to end deflection.

Solenoid-controlled, the model 1300s is used primarily for positioning in applications where the valve is beyond the reach of the operator.



model 1321

Cam follower adapter. Adapts to nose of model 1300m or 1300s axial stylus valve for single axis profiling.



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