

**ROSEBROOK**  
TRACERS INC.

# Rosebrook Single Axis Hydraulic Profile Valves Model 1000

Model 1000 Hydraulic Profiling Valves control one axis movement of any machine tool, either for profiling or positioning, with .000020-inch repeatability in static position. Most general uses of the valve are:

- Die sinking on mills.
- Copy turning on lathes.
- Precision positioning of any hydraulically-operated slide.
- Cam follower on spar mills or boring mills.
- Depth control during 2-dimensional tracing operations on profile or contour milling machines.
- Swarfing slide control.
- Cam control on drilling machines.

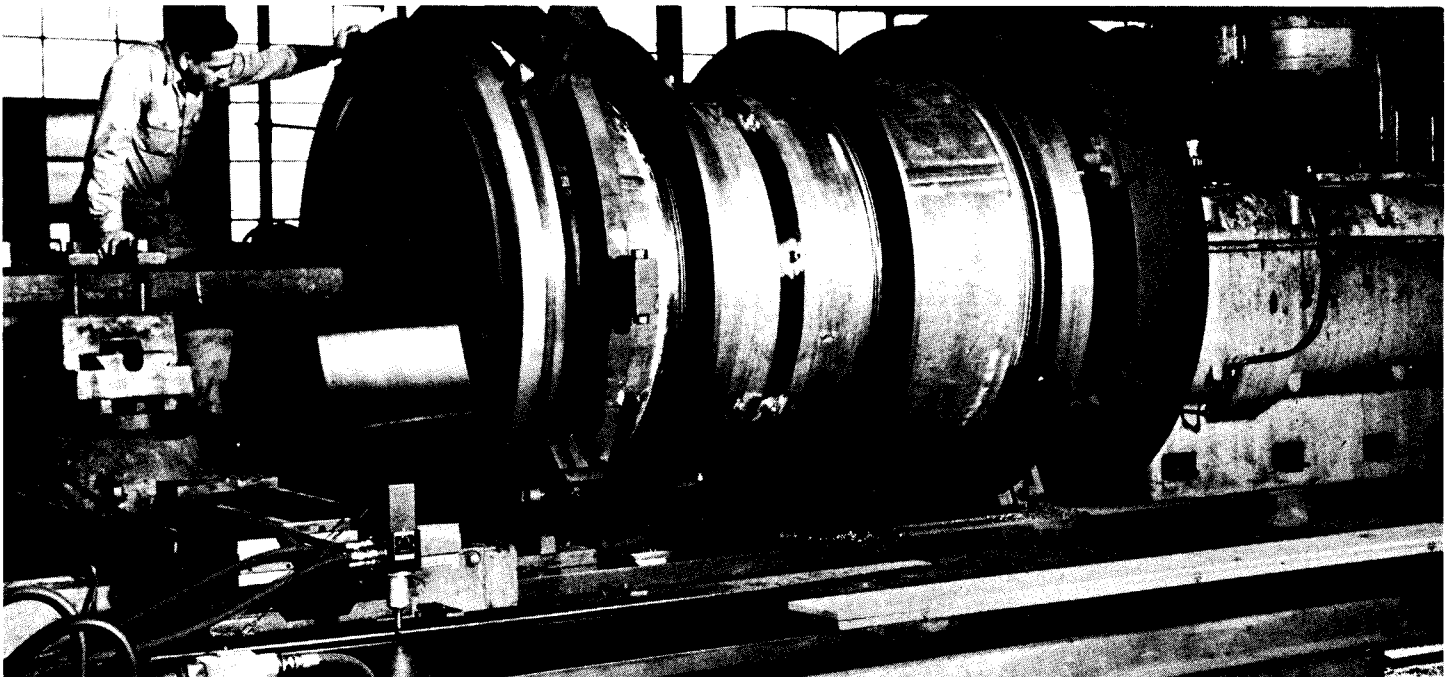
- Master/slave slide coordination control.

Model 1000 Valves are Crescent Flow Balance Ground to a formula best suited to their intended use.

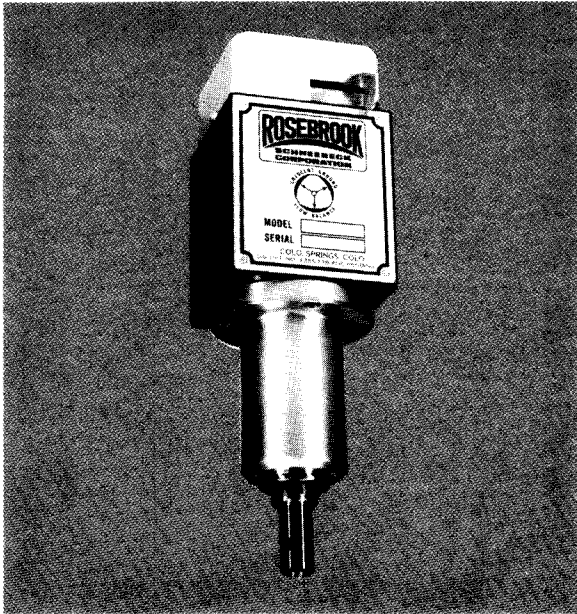
Other features include:

- Light pressure controls the sensitive stylus.
- All moving parts manufactured, precision ground and lapped to size with a 2 micro finish from high-alloy tool steel.
- Available with a safety switch.

Model 1000 Valves are available in the 1000m manually-operated and the 1000s solenoid-operated models.



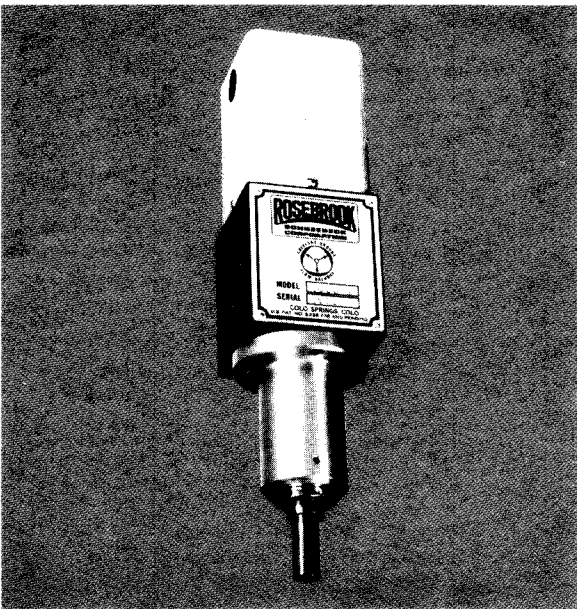
Solenoid-Operated Hydraulic Profiling Valve controls this 94-inch swing Bets Bridgeford lathe. Vulcan Mfg. of Los Angeles is using speeds of 1.9 to 41 RPM to turn the tapered bores — 52.375" — 47.875" and 59.187" — 47.875" — on a 316L Stainless Steel component.



model 1000m  
180° Manually-Operated Universal Hydraulic  
Profiling Valve.

The model 1000m is a 180° single axis profiler which features manual retract and a universal stylus which reacts to end or side deflection. Also available is a non-rotating universal stylus for lathe tracer applications upon request.

This manual retract is used in applications where the valve location is within the reach of the operator.



model 1000s  
180° Solenoid-Operated Universal Hydraulic  
Profiling Valve.

The model 1000s is a 180° single axis profiler which features solenoid retract and a universal stylus which reacts to side or end deflection. This unit is also available with a non-rotating universal stylus for lathe applications upon request.

Solenoid retract allows precise control in applications where the valve is beyond the reach of the operator.

Schneebeck's is constantly improving its products; specifications and features are subject to change. Many hydraulic controls, all warranted for one year, are available from stock to suit your particular application. Rely on Schneebeck for the best in Hydraulic Systems.



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