

# Automated Rust Bath



## Model 397

### Key Benefits

- 4 of 6 Position Bath conforming to ASTM D665 and NACE TM0172
- Automated test operation for specimen introduction, water dosing and specimen withdrawal.
- Precision motor with speed up to 1000 RPM (configurable to 2500)+/- 1 RPM
- Convenient stirring arrangement for easy removal and cleaning
- Temperature up to 60°C +/- 0.2°C, 0.1°C resolution
- High quality stainless steel bath with robust cabinet construction

The Lawler Model 397 series Rust Baths are specially designed to run ASTM D665 and NACE TM0172. There is provision for conditioning and testing four or six test samples.

A micro controller based system controls temperature precisely to +/- 0.2°C. This system further controls all the automatic features as described below

The test specimens are automatically lowered into samples at trigger temperature. At the appropriate time the water dose is injected into the test sample automatically. At the end of the pre-determined test time the test rods from the sample are automatically raised. Thus there is no operator involvement during duration of the test.

The sample stirrers may be lifted up to enable easy removal of the sample beakers.

Time and temperature parameters and other operator interaction are performed through a highly intuitive touch panel.

A high temperature limit and a float switch is provided for safety.