

## Automatic Stress Crack for PET bottles



### BENEFITS:

- Significant improvement in operator utilization
- Safety, no exposure by operator to NaOH
- Results downloaded to local PC

### FEATURES:

- 6, 12, 18 or 24 Head configuration
- Unique design 'adaptors' easily applied to bottle
- Remote diagnostics



### SPECIFICATION:

- Control: Full Automatic or Semi Automatic
- Pressure range: 0 - 6.0 BAR
- IP Rating: IP44
- Adaptors: 1881, 1810 & special purpose
- Compressed Air supply: 6 BAR

#### AUTOMATIC:

A PLC controls the process and monitors each test station. After the bottles are loaded the cycle starts by pressurizing each sample to a pre programmed Set Point pressure. After a programmed time to allow for bottle size creep the NaOH solution is released from the reservoir to the required level around the base of each sample. Pressure in each sample is monitored and the time of failure for each station is recorded by the controller and also exported to a PC.

#### SEMI AUTOMATIC:

After the samples are loaded the user opens a valve to pressurize each sample, (pressure pre set on local regulator). Timing & release of the NaOH solution is by a separate manually operated valve. Monitoring of failure is observed and recorded manually by the user.