

# ORD Problem Solved!

## ULTRA/HiFluor Kits increase uptime and lower COO!



Manufacturers in the Microelectronics (Micro-E) Industry have one common goal; to produce as many quality chips as possible in the most cost and time efficient means necessary. Surprisingly, seals can have an impact on this goal. Seals need to be clean enough that they do not contaminate the system, yet last long enough that they are not negatively impacting tool uptime. Parker's family of high performance elastomers is engineered to complete that exact task.

### Success Story

#### Application:

North American Fab – Etch Group Tools

#### Problem:

A large North American based fabricator of Logic/MCU products was having significant problems with tools going down before the scheduled PM cycles. This decrease in tool uptime was creating lower productivity and higher cost of ownership (COO).

#### Parker Solution:

After analyzing the entire tool platform, Parker O-Ring's Engineering Team decided that the entire bill of materials (BOM) could be upgraded from the current seals that were being used. Because there were different application needs for different areas of the tool, a kit comprised of both HF355-65 (HiFluor) and FF370-75 (ULTRA) was suggested to replace the current BOM.

#### Outcome:

After installing the suggested Parker kit and running to failure, the customer reported back that the Parker kits accomplished the following:

- Outlasted the scheduled PM cycle for the tool
- Occurrences of tool problems reduced 2-3X on
  - Vacuum Loss
  - Particle Generation
  - Loss of tool stability

After the test yielded success using the Parker HF355/FF370 seal kit, the competitive product on the tools were replaced with Parker's FF370 and HF355 kits.

For further details on this application success, call Parker O-ring Division at 859-269-2351.