The Flexstation™ is a production class automated helium leak test system ready to interface with production test tooling. The standard platform provides a robust, high-value solution through configurable software and hardware, enabling the Flexstation™ to perform in many variations of helium hard vacuum or HATS™ leak testing methods. In addition, its modular design can adapt to new test tooling as your production requirements change.

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>SENSITIVITY</td>
<td>10⁻⁹ atmcc/sec range (depending on part size, configuration, and cycle time)</td>
</tr>
<tr>
<td>CYCLE TIME</td>
<td>Capable of high speed testing to less than 10 seconds/cycle (part and reject limit dependent)</td>
</tr>
<tr>
<td>CONTROL SYSTEM</td>
<td>Industrial PLC with 10” color touch screen, 64 digital inputs, 80 digital outputs, and 20 analog inputs</td>
</tr>
<tr>
<td>COMMUNICATION</td>
<td>Ethernet and USB</td>
</tr>
<tr>
<td>LEAK DETECTOR</td>
<td>Inficon LDS3000 helium leak detector with a 3 year ion source warranty</td>
</tr>
<tr>
<td>POWER</td>
<td>Depends on roughing pump size. See part number matrix on page 2</td>
</tr>
<tr>
<td>GAS CONNECTION</td>
<td>Air: 80 psig minimum, clean dry air; Vent: Exhaust vent for helium; Helium: As required</td>
</tr>
<tr>
<td>DIMENSIONS</td>
<td>65” H x 38” W x 23” D</td>
</tr>
</tbody>
</table>

**FEATURES**

- High performance in a compact footprint
- Standard hardware and software
- Flexible software configurations for many test fixture and sequence options
- Industrial PLC with 10” color touch screen
- Inficon LDS3000 helium leak detector with 3 year ion source warranty
- Field upgradable from single to dual station

**CONFIGURATION OPTIONS**

- Interface with automated or manually actuated test fixtures
- Configurable for manual button, automatic, or remote cycle initiation
- Multiple part clamp options
- Integrate with part marking systems
- Integrated full-featured part charging

**SOFTWARE FEATURES**

- Automated test sequencing with test fixture control
- Full control over test recipe parameters, with up to 100 stored recipes
- System calibration function with user-configurable calibration expiration
- Diagnostics screens to assist in troubleshooting the system
- Manual mode operation with graphical screens and safety interlocks
- Password protection to restrict access to manual modes and editing test recipes
- Maintenance tracking feature
- Fault tracking history
- 16 GB of test or other data storage

*Flexstation™ integrated with custom test chamber*
PART NUMBER MATRIX

Prefix
Valve Size
1 = KF16
2 = KF25
3 = KF40
4 = ISO 63
5 = HATS™ KF16
6 = HATS™ KF25
7 = HATS™ KF40

Test Method
V = Hard Vacuum
H = HATS™

Leak Test Mode
G = Gross
F = Fine
U = Ultra (Std)

Manifold / Chamber
S = Single
D = Dual

Roughing Pump
1 = 14 cfm
2 = 28 cfm
3 = 53 cfm
4 = 100 cfm, Blower
5 = 15 cfm, (1 stage, HATS™)

Sniff
0 = No
1 = Yes

Dump Test
0 = No
1 = Yes

Helium Charge
0 = No
1 = Yes

Charge Options
R = Helium Recovery
F = Flow Test

Electric Power
1 = 120 VAC, Single Phase
2 = 240 VAC, Single Phase
3 = 240 VAC, Three Phase
4 = 480 VAC, Three Phase

Safety Configuration
E = E-STOP ONLY
L = LIGHT CURTAIN
T = TWO HAND
G = SAFETY GATE

Part Evac
M = None
P = RV Pump

Flexstation™ with 53 CFM roughing pump package

Industrial PLC with 10” color touch screen