



Test Fixture

Maintenance Tips

Guide



Tips To Optimise Performance



Maximise your testing efficiency with targeted maintenance strategies.

From routine test probe inspections to precision alignment verification, this guide ensures peak fixture performance.

Discover how Forwessun's expert service contracts can keep your fixtures and systems running smoothly throughout their lifespan.

This guide details a list of key areas to focus on when performing maintenance to help you keep your fixtures in peak condition.



Test Fixture Maintenance



Test Fixture Probe Maintenance:

Regularly inspecting and replacing worn test probes ensures accurate and reliable test results.

Cleaning Test Probes: Removing debris and contaminants will improve test probe conductivity and longevity.

Mechanical Parts Inspection: Checking moving parts, such as hinges and hydraulics, for wear and tear will prevent mechanical failures and prolong the fixture's life.

Fixture Wiring Integrity:

Verify that all wiring connections maintain signal integrity and prevent electrical issues.

Connector Care:

Keeping connectors clean and secure ensures that the robust data transfer and system remain reliable.

Fixture Alignment:

Proper alignment reduces stress on critical components and ensures consistent test performance.

Test Fixture Storage

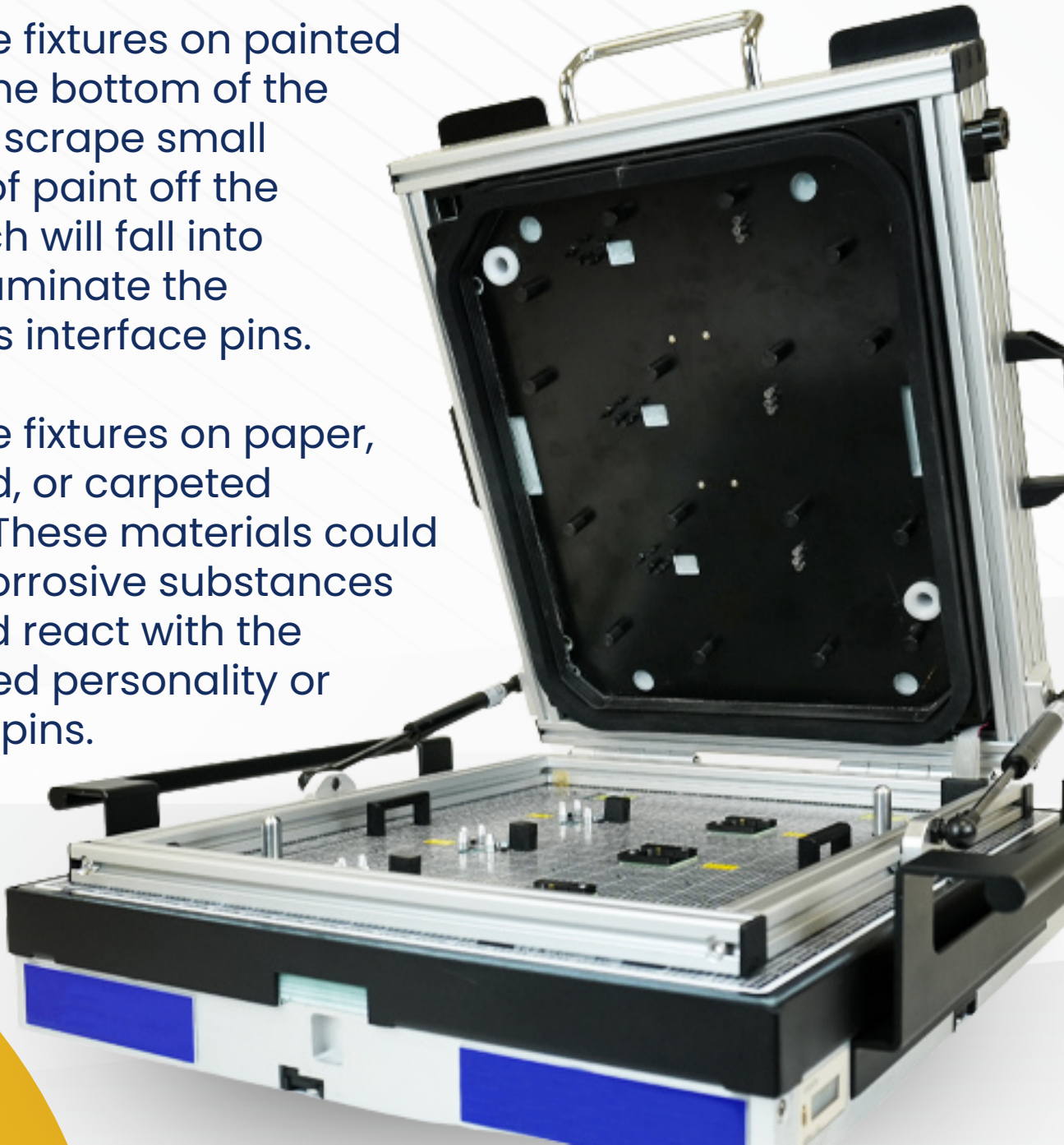


Improper storage can damage the fixture or contaminate sensitive areas. Following best practices for storage will help prevent unnecessary wear and tear.

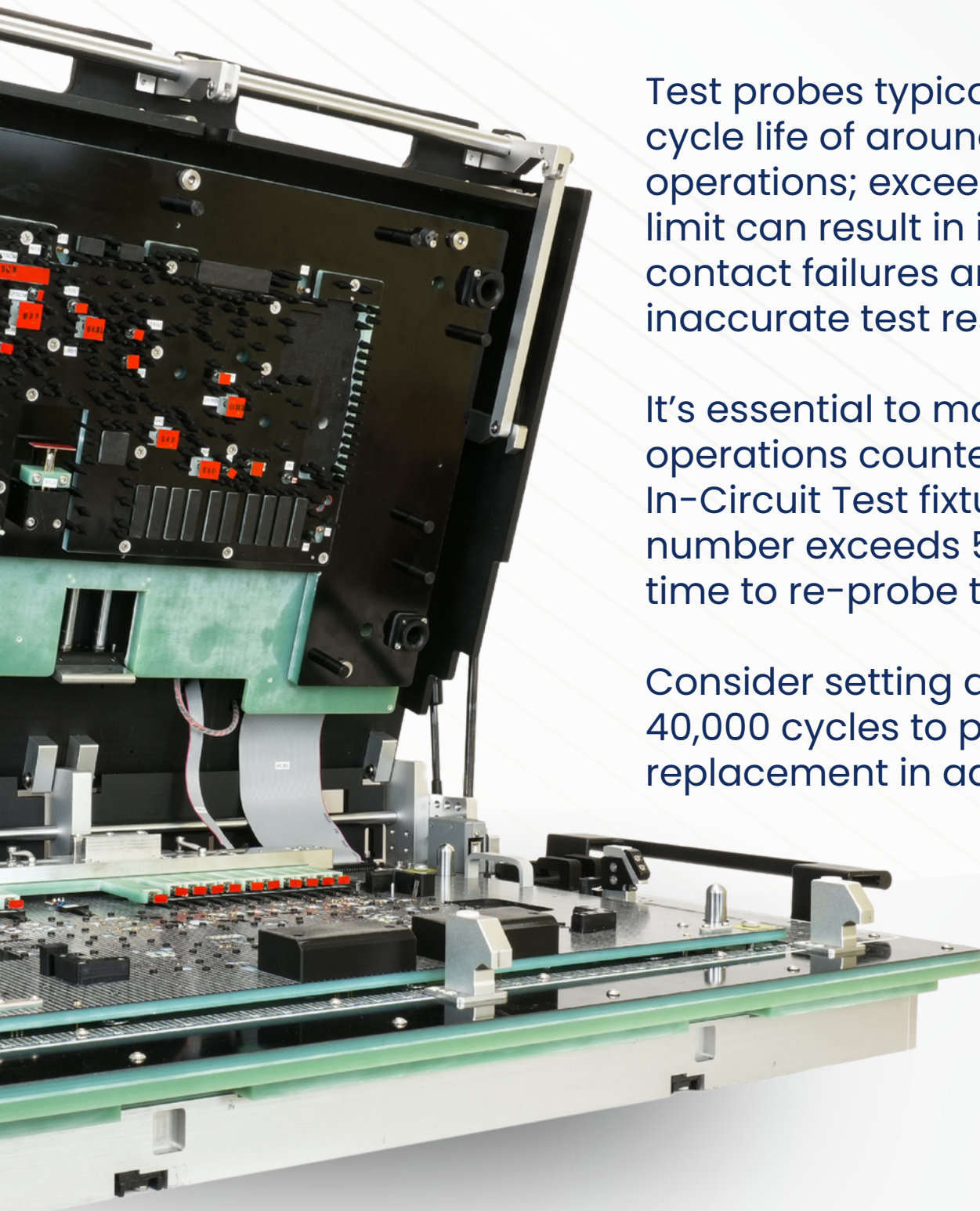
We suggest never to do the following:

Don't store fixtures on painted shelves. The bottom of the fixture will scrape small particles of paint off the shelf, which will fall into and contaminate the Testhead's interface pins.

Don't store fixtures on paper, cardboard, or carpeted surfaces. These materials could contain corrosive substances that would react with the gold-plated personality or pin-block pins.



Test Probe Lifespan



Test probes typically have a cycle life of around 50,000 operations; exceeding this limit can result in intermittent contact failures and inaccurate test results.

It's essential to monitor the operations counter on your In-Circuit Test fixture. If the number exceeds 50,000, it's time to re-probe the fixture.

Consider setting alerts at 40,000 cycles to plan replacement in advance.

Test Fixture Training



If you're interested in taking a more hands-on approach to fixture maintenance or want to boost your skills or those of your team, take a look at our training services.

We offer test fixture hardware training, which can be customised to suit your needs.

We can cover subjects such as removing and replacing broken probes, using alignment PCBs for troubleshooting, finding pneumatic leaks and fixing them, making adjustments to mechanical parts (such as gas struts), and much more.

Get in touch with us today, and we can build a training package perfect for you.





CONTACT US!



0151 220 5558



admin@forwessun.com



Forwessun



www.forwessun.net