

Contacting Solutions for PCB Test

FEINMETALL
Contact Technologies



Progressive Series for Special Requirements

Progressive Series

For reliable contacting of lead-free soldered pads and strongly contaminated or oxidized PCBs. These outstanding contact probes differ from standard contact probes by special properties.

1. Minimized contamination

The functional „Progressive Coating“ is much less sensitive to contaminations and 3-fold harder compared to a gold plating. In applications with contaminated contact surfaces this leads to a significantly increased life time.

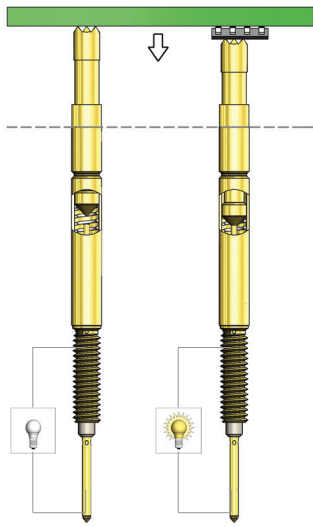
2. Improved penetration of contaminations

For a reliable penetration of strong contaminations or viscous layers, special tip styles with an aggressive grind are available. In general, the choice of tip styles is a very important factor for a good contact.

3. Optimized force effect

Very good penetration of contaminations or oxide layers due to a higher preload of the spring. This higher preload leads to an optimized force effect with unchanged nominal force at nominal travel.

Presence and Position Test



Options for presence and position tests

Additionally to the electrical contacting, various presence or position tests of components, pin lengths etc can be realized:

1. Purely mechanical test

e.g. with insulation caps or step probes

2. Presence test

with a simple switch probe, that opens or closes a switch circuit after a defined travel (see drawing)

3. Position test

by using a switch probe with two switch points (off-on-off characteristic)

4. Precise position determination

by using a contact probe with integrated potentiometer (position sensor system)

Have a Look at Our Tool Videos

Watching our tool videos makes it easy to understand the use of the tools in a very practical way. The QR-code directly leads you to the list of our videos on our homepage!



Tip Styles and their Applications

