SHOULDER & BUTTON HEAD GRIPS

XY Table with Hook Grip for Circuit Boards

Positioning table and twin wire-hook grip for pull testing laser welds on circuit boards



OVERVIEW

Test fixture for pull testing laser-welded joints on circuit boards. The board is mounted on a compact XY table that positions the weld directly below an upper hook grip. Two hardened steel wire hooks engage the welded connection and pull it in tension, giving a repeatable measure of weld strength.

KEY FEATURES

- XY table positions each weld precisely under the load axis
- Upper grip with two hardened steel wire hooks of 0.8 mm diameter
- Fixed hook spacing of 9.7 mm for consistent load introduction
- Compact table footprint of 80 × 200 mm for bench-top frames
- Standard female clevis coupling for direct mounting on the load cell
- Suited to repeated tests at several weld positions on one board

TECHNICAL SPECIFICATIONS

Test type	Tensile pull test of laser-welded joints
XY table size	80 × 200 × 93 mm (W x L x H)
Upper grip	2 wire hooks, Ø 0.8 mm, hardened steel
Hook spacing	9.7 mm
Coupling	Female clevis, Ø 15.9 mm (5/8 in) pin; others via adapter
Max. load	On request
Operation	Manual XY positioning

APPLICATIONS

- Electronics manufacturing
- Laser-welded circuit board joints
- Weld process qualification
- Production quality control

Ordering & customization: Specify the board size and weld layout, the required hook geometry if different from standard, and the coupling of your testing machine.

Drawings available on request
Contact us for dimensional drawings or 3D models of this product.

Specifications are typical and may vary by configuration; confirm at time of quote. Custom versions, couplings and adapters available on request. Part ref. UGC-SH-040