

LT-050B Series Light Force Microwelding Head (formerly known as 50 series)

The LT-050B Series Light Force Micro Welding Head is a precision, low-inertia head designed specifically for delicate, parallel-gap welding, thermo-compression bonding and reflow soldering. True vertical electrode motion eliminates the electrode-wiping action. A low mass spring and compound lever force system ensure accurate, repeatable welding force in the 40 to 1000 gram range. This makes LT-050B Series perfect for wire and ribbon applications such as fine-trace circuit board repair, wire-wound potentiometers, hybrid microwave devices, pacemakers, electrical fuses, ordnance fuses, smart cards, solar cells and other thermo-compression bonding or micro-welding applications.

Key features LT-050B Series Light Force Microwelding Head

- > 40 – 1000 gf designed to join fine wires and ribbons between 0.0003 in – 0.01 in thickness
- > Numeric force adjustment set with 3-digit numeric counter
- > No deflection through stroke ensures consistent electrode contact and avoids welding blowouts or inconsistencies
- > Configurable design accommodates a wide variety of applications
- > Manual foot or air actuation
- > May be fitted with an optional microscope for manual parts positioning

Specifications LT-050B Series Light Force Microwelding Head (formerly known as 50 series) 1/2

Models (all models)	Electrode holder	Electrode type	Force range (gmf)
LT-050B-F	HE50	Unitip	40 - 1000
LT-050B-F/OPP	HE50	1/8 in diameter	40 - 1000
LT-050B-A/24	HE50	Unitip	40 - 1000
LT-050B-F/UB	HE50UB	Unibond	125 - 1000
LT-050B-A/UB	HE50UB	Unibond	125 - 1000
LT-050B-F/RF	HE50RF	Thermode	125 - 1000
LT-050B-A/RF	HE50RF	Thermode	125 - 1000
LT-050B-F/LRF	HE50LRF	Thermode	40 - 1000
LT-050B-A/LRF	HE50LRF	Thermode	40 - 1000
-	All 50 heads come with baseplate and optical mount assembly. Manual 50F models include CP footpedal, 50A EZair models require either FS1L or FS2L foot switch.		

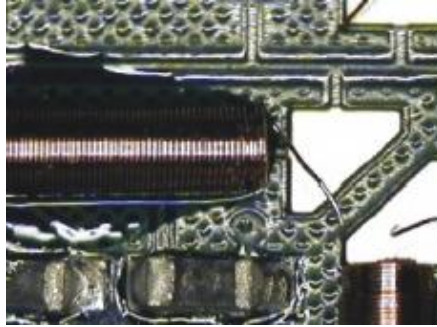
Specifications LT-050B Series Light Force Microwelding Head (formerly known as 50 series) 2/2

Models (all models)	Force range (Newtons)	Actuation	Application
LT-050B-F	.39 - 9.8	Foot	Welding
LT-050B-F/OPP	.39 - 9.8	Foot	Welding
LT-050B-A/24	.39 - 9.8	Air, 24 VAC	Welding
LT-050B-F/UB	1.22 - 9.8	Foot	Welding
LT-050B-A/UB	1.22 - 9.8	Air, 24 VAC	Welding
LT-050B-F/RF	1.22 - 9.8	Foot	Reflow Soldering
LT-050B-A/RF	1.22 - 9.8	Air, 24 VAC	Reflow Soldering
LT-050B-F/LRF	.39 - 9.8	Foot	Thermocompression Bonding
LT-050B-A/LRF	.39 - 9.8	Air, 24 VAC	Thermocompression Bonding
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Product applications LT-050B Series Light Force Microwelding Head (formerly known as 50 series)



Wire to chip



Fine magnet wire

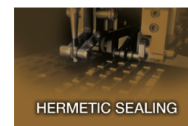


Reflow contact to pad

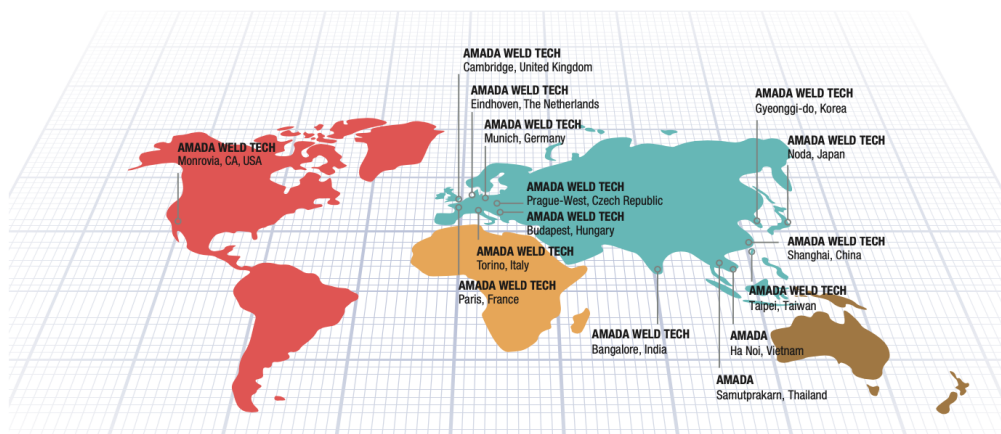
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