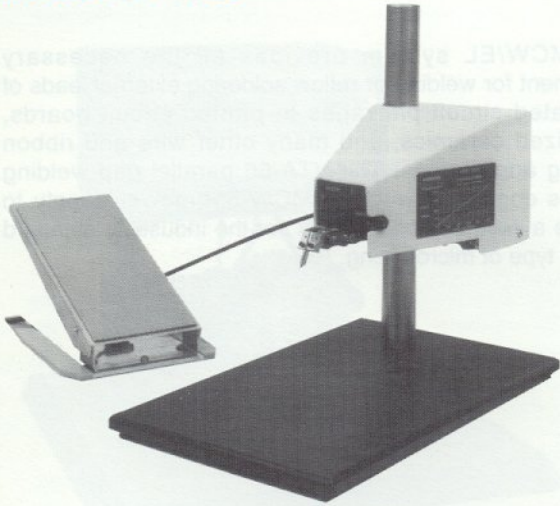


Light Force Weld Heads

Model VTA-96

Parallel Gap Weld Head

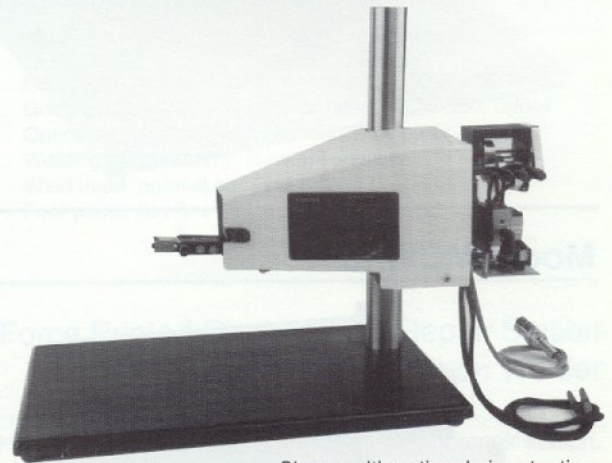


The Model VTA-96 micro weld head provides the ultimate in precision force control through the use of accurate dead weights for force application. This parallel gap weld head has been fully field proven in laboratory and production installations where precise control is required for minute work areas. Its capabilities range from welding extremely fine wire or ribbon to reaching into deep packages to repairing hybrids.

The design of the VTA-96 weld head is unique to Hughes. It incorporates a precision mechanism that completely eliminates overpressure without requiring the adjustment of mechanical stops. Force applied is independent of work thickness. The precision control prevents deformation and damage to delicate assemblies.

Various power supply options are available with the Model VTA-96 parallel gap weld head. Consider these other benefits:

- Digital indicator makes adjustment easy
- Reference curve provides ready conversion of index units to grams
- Electrodes can reach across and into large packages
- Force range is continuously adjustable
- May be set up for pulse thermocompression wedge bonding



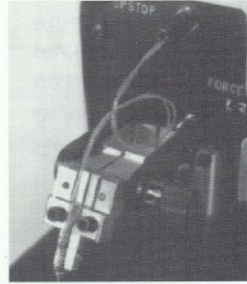
Shown with optional air-actuation



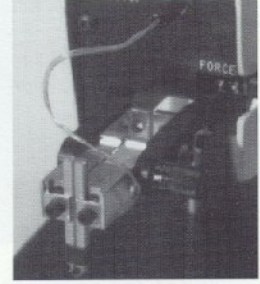
VTA-96



VTA-96-MV



VTA-96-TC



VTA-96-MV-TC

SPECIFICATIONS • Model VTA-96

Weld Head Type	Parallel-gap
Stroke	.75 inch (19mm)
Force	60 grams to 1000 grams steplessly adjustable
Force Selection	Digital-indicated adjustment, dead weight, compound lever
Force Calibration	±2%, calibration curve on cover
Electrodes	ESQ, EBB, EWB, ERS
Electrode Gap	0-.040 in (1.02 mm) steplessly adjustable
Actuation	Flex-line foot pedal, 7 ft long conduit (Air Actuation Optional)
Power Leads	#8 Flexible strand (7 x 95 x #36) x 26 in long, braided nylon sleeving. 312 dia. terminated
Mounting	1,500 dia. vertical column (centerline is 9.50 in (241mm) back of and 2.00 in (51mm) left of weld)
Work Height	0-5.50 in (155mm) with microscope 0-11.50 in (292mm) without microscope
Base Plate (H x W x D)	1/2 x 10 x 16 in (13 x 254 x 406 mm), hard anodized aluminum
Options	Vertical electrodes or heaters; Thermocouple feedback; Air Actuation
Dimensions (H x W x D)	15 x 10 x 16 in (1381 x 254 x 406 mm), plus foot pedal and flexible casing
Weight	24 lb (11kg) (complete head) 4.7 lb (2kg) (head less column and baseplate) 32 lb (15 kg) (complete head and optics)
Equipment included	Head with power leads, switchcord and feedback, Flex-line foot pedal,