



# MODEL HS-2 BENCH TYPE WELDING & SOLDERING HEAD

The Hanson HS-2 bench top welding and soldering head is a precision unit that allows you to design your own welding or soldering machine. It can be matched up with power supplies from 0.5-20 KVA A.C. and with 5-500 watt/second D.C. supplies. This unit can be coupled with existing power supplies or Hanson can provide you with a choice of welding transformers and controls.

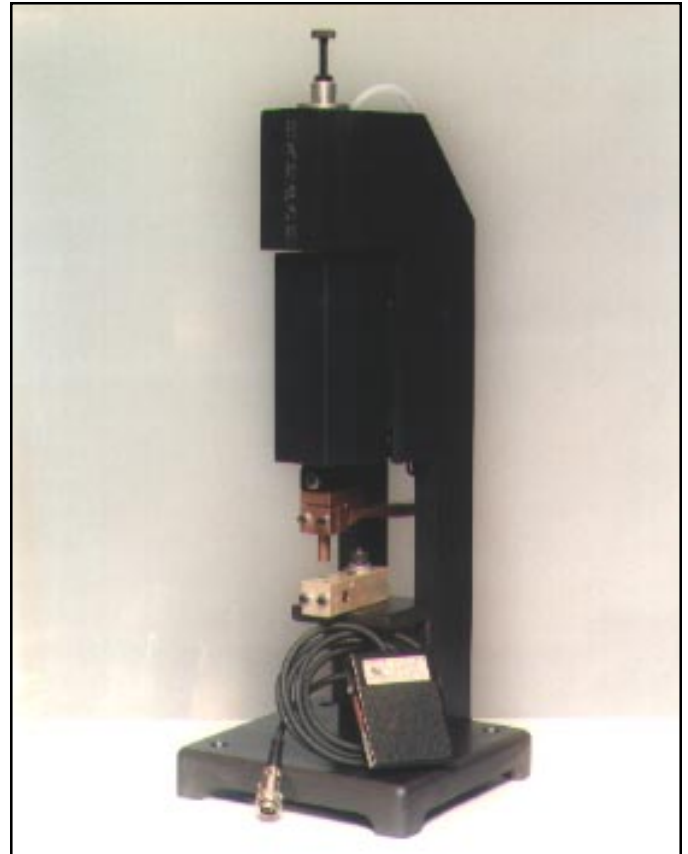
## Features/Benefits

### Designed for Durability and Consistent Performance

Low-inertia linear precision cross roller slide head assembly assures low friction operation, and repeatable performance. Rugged construction assures long trouble-free service.

### Head Force System Guarantees Precision Weld Performance

The head force system is in direct alignment with electrodes. This enables follow-up response not available in cantilever-type heads and assures precision weld performance.



### Special Head Firing Switch Insures Repeatability and Reliability of Welds

A special feature on all Hanson welders, it allows the welding control to be fired only when the predetermined force range has been reached by measuring the displacement of the head force system.

### Built-In Versatility to Handle a Variety of Jobs

Force system stroke and electrode opening are all fully adjustable to accommodate a wide variety of parts sizes.

## Applications

With the HS-2 head, you can design welding machines suitable for a wide range of metal joining applications where precision and consistency are essential. The HS-2 head will accommodate small to medium sized parts.

The HS-2 head is designed to accept miniature die sets for extreme accuracy in welding and soldering of miniature and sub-miniature parts.

## Specifications

MODEL HS-2 single ram welding and soldering head  
MODEL HS-2-2D dual ram welding and soldering head

Head assemblies are complete with all pneumatic circuitry.

### FORCE SYSTEM, FULLY ADJUSTABLE

Six standard spring ranges are provided.

- 0-12 lbs (yellow)
- 0-24 lbs (white)
- 0-48 lbs (gray)
- 0-72 lbs (red)
- 0-96 lbs (green)

### WATER-COOLED ELECTRODE HOLDERS

Standard (select one)

- 3/8" diameter
- 1/4" diameter

### Options

Custom sizes available, either straight or with morse taper at extra charge. Consult Hanson Welding Machines before ordering.

### FULLY ADJUSTABLE LOWER TOOL HOLDER

Provides up to 3" electrode opening.

### STROKE ADJUSTMENT CONTROL

Allows control over head stroke from 1/4" to approximately 1".

### SIZE

8" x 11" x 22"

### WEIGHT

24 lbs.

### OTHER OPTIONS

- Two-hand anti-tie-down initiation circuit.
- Electronic cycle counter with push-button reset.
- Work lights.
- Tooling and fixturing for your particular application are available from our engineering department.