



# RESISTANCE WELDING ACCESSORIES

Accessories are an important part of any welding system. For your convenience, Unitek Miyachi Corporation provides:

<b>Index</b>	<b>Page</b>
Welding Handpieces	1
Footpedals and Footswitches	2
Optics and Illumination Accessories	2
Electrode/Material Selection Guide	3
Electrode Force Gages	4
Electrodes	4
Unibond and Unitip Electrodes	6
Kovar Ribbon/Polishing Disks	6
Cables, Terminals, Connectors and Adapters	7
Electrode Holders and Adapters	8

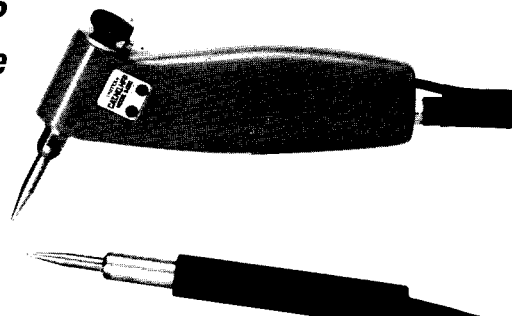
For assistance in selecting accessories or for accessories not included in this data sheet, contact your local Unitek Miyachi Corporation sales representative or telephone our Customer Service Department at 626/303-5676.

## Handpieces

Welding Handpieces should be used only when it is impractical to use a welding head. The Model THP Tweezer, and PHP Probe Handpieces are used to weld small parts which require less than 125 watt-seconds or 1/2 cycle A.C., and welding forces which are less than 7 pounds. The Model HFP High Force Probe is used for applications which require higher energy and/or force. All three models are force fired to ensure repeatability. The Model GHP Gun Handpiece is switch fired which means that its application is limited to welding materials which are easy to weld, such as stainless steel or nickel. Handpieces are available with standard or 10 foot long cables. As a general rule, the energy delivered to the workpiece with 10 foot #6 cables will be approximately 15% of that delivered with 4 foot #6 cables. Handpieces are furnished with cables, as indicated in the following table, and 1 pair of RWMA 2 Electrodes.

The Model MTH Micro Tweezer is a tweezer which is fitted with non-replaceable Copper-Tungsten Electrodes. A Model FS Footswitch is required to trigger the power source.

### Model HFP High Force Probe



### Model GHP Gun Handpiece

Includes straight electrode, straight extension, and 30° elbow adapter



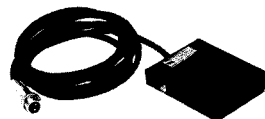
### Model MTH Micro Tweezer Handpiece

- Permanently fitted silver soldered RWMA 11 Electrodes.
- Requires Model FS Footswitch to trigger Stored Energy Power Supplies

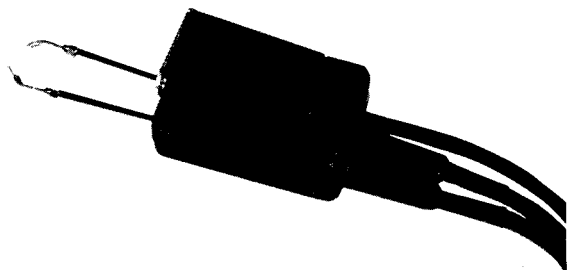


### Model FS Footswitch

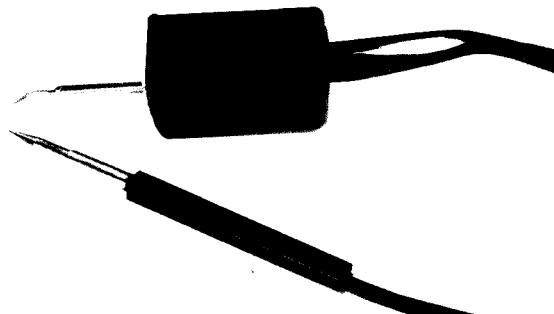
- For use with Model MTH above.



### Model THP Tweezer Handpiece



### Model PHP Probe Handpiece



Rating	MTH	THP	PHP	HFP	HFT	GHP
D.C. (watt seconds)	20	125	125	500	500	125
A.C. (KVA-1/2 cycle)	-	2	2	7.5	7.5	2
Force Range - Max. (lbs.)	3	7	7	25	25	N/A
Min. (lbs.)		1.0	1.0	3	3	
Cable Size (AWG)	#14	#6	#6	#2	#2	#6
Cable Length (ft.)	3	4	4	5	4	4
Electrode Series	RWMA 11	ET0400 or EP0400	EP0400 and EP0800	EP0800	ES0400	EP0800

Specify "/10" suffix with model number for 10 foot long cables, e.g. HFP/10.

The material contained herein cannot be reproduced or used in any other way without the express written permission of Unitek Miyachi Corporation

**UNITEK MIYACHI**  
CORPORATION