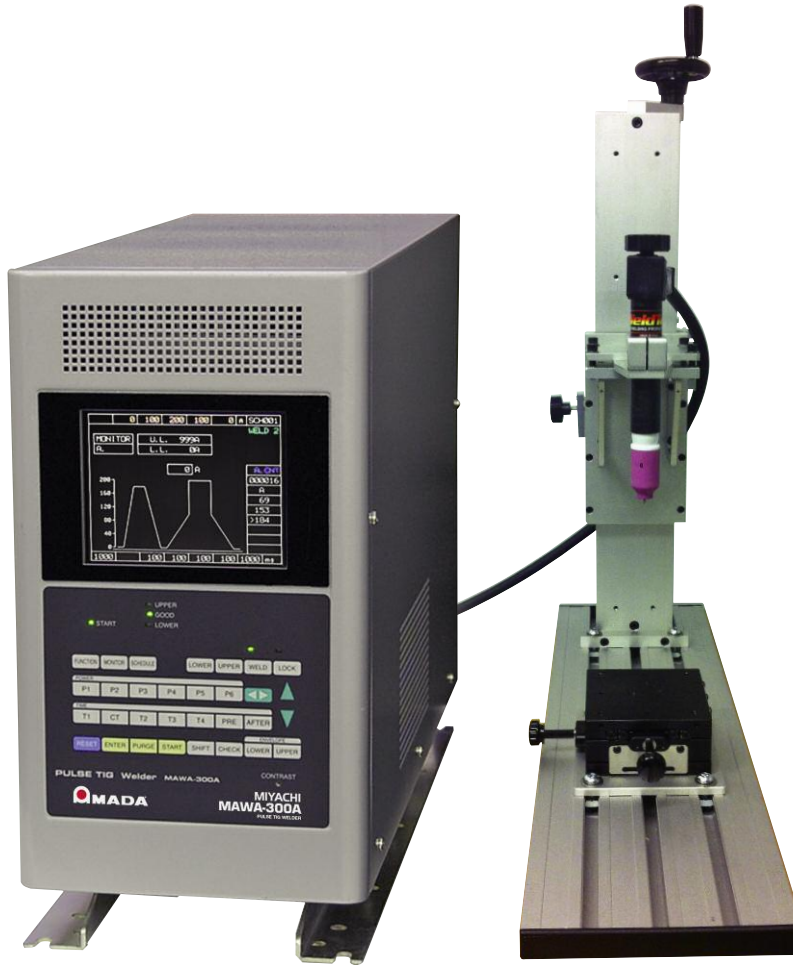
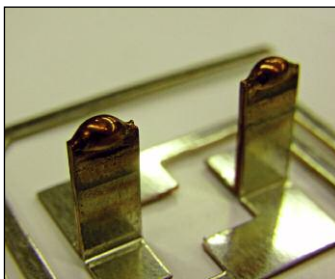


# Micro TIG Accessories



- Safety
- Torches and electrodes
- Stand and tooling
- Gas handling
- Cables

## TYPICAL APPLICATIONS



*Bus bars*



*Tab welding*



*Wire to bus bar*

## SAFETY

TIG welding generates an intense arc of light - some of which is in the ultraviolet spectrum - and proper safety is important to protect eyes and skin from damage. In addition, parts and tooling may be hot after welding and must be handled carefully.

To protect eyes and skin, AMADA MIYACHI AMERICA recommends wearing both a welding helmet and gloves.



*Welding helmet with auto-darkening (shade 13) glass.*



Item	Part Number
Welding helmet	900-383 (blaze)
	900-384 (black)
Welding gloves	090-024 (Medium)
	090-025 (Large)
	090-026 (X-Large)

## TORCHES AND ELECTRODES

In addition to a power supply like the MAWA-300A, TIG welding requires both torches and electrodes. Proper selection of these items can help ensure successful welding. Furthermore, because electrodes wear down over time, they must be periodically sharpened.



### TORCH

Torches may be air or water cooled

Item	Part Number
Torch – air cooled, 1/16" electrode, 3/8" nozzle includes part number 010-019 1/16" 2% lanthanated tungsten electrodes	10-600-01
Torch – air cooled, 3/32" electrode, 3/8" nozzle includes part number 010-020, 3/32" 2% lanthanated tungsten electrodes	10-601-01

### ELECTRODES

Replacement tungsten electrodes



Item	Part Number
Electrode 2% lanthanated tungsten 1/16" x 7" (pack of 10)	010-019
Electrodes, 2% lanthanated 3/32" x 7" (pack of 10)	010-020



### ELECTRODE GRINDER

Item	Part Number
Portable electrode grinder	701-077

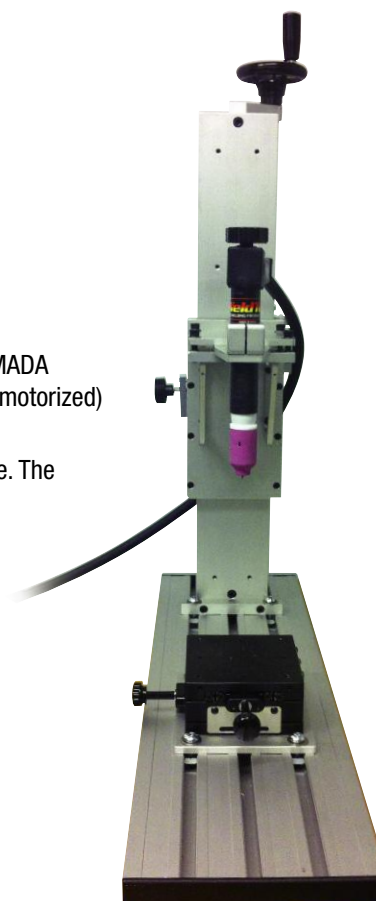
## STAND AND TOOLING

Precision welding, requires a sturdy stand and excellent positioning. AMADA MIYACHI AMERICA's stand mounts the torch on a manual (or optionally motorized) z-axis. The base features t-slots for easy part positioning.

Add an X-Y stage for precision parts positioning relative to the electrode. The stages have a full travel range of 1" x 1".

Item	Part Number
Stand, manual Z	701-078
Stand, motorized Z*	10-611-01
XY unit, 1" travel	524-043
Adapter Plate	701-079

\*Note: Touch start requires motorized stand.



## GAS HANDLING

Arc welding must be generated in an inert environment. Typical gases used are argon and helium. AMADA MIYACHI AMERICA recommends the following tubing and regulators for use with the MAWA power supply:

### REGULATOR

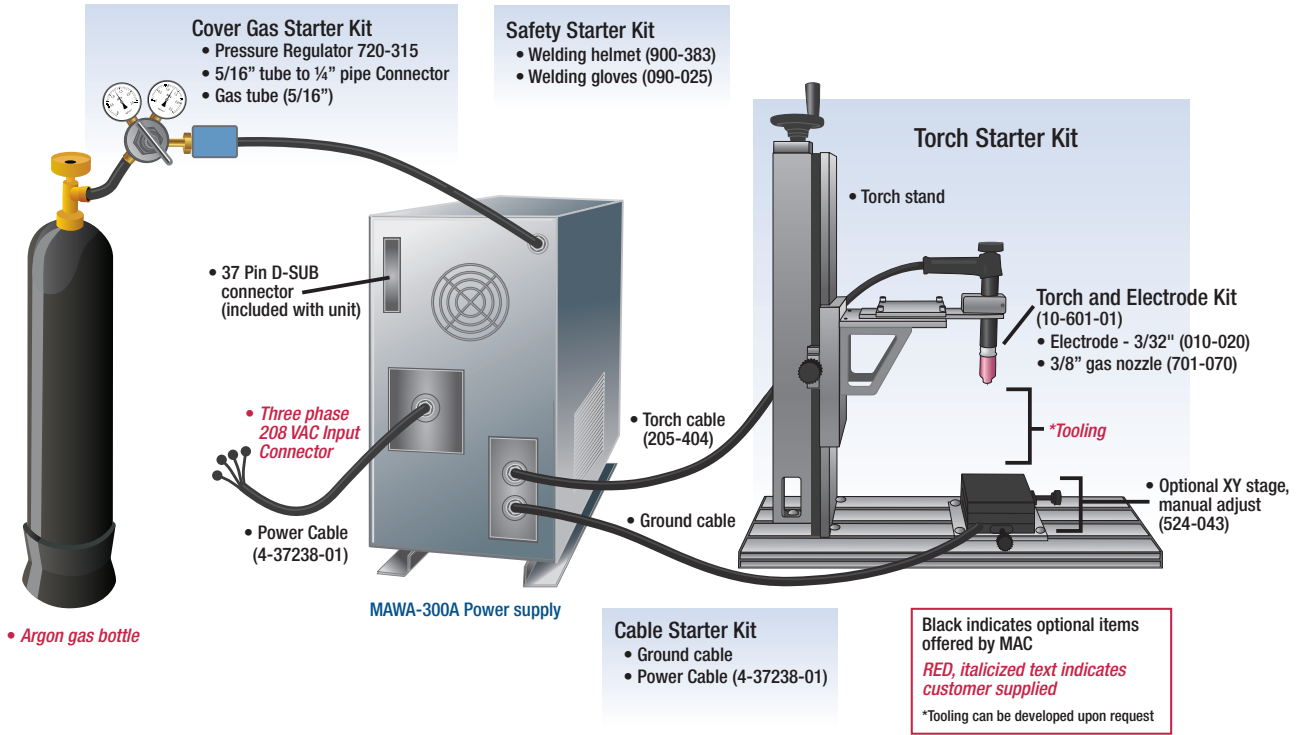
Item	Part Number
Regulator	720-315
Tubing, 5/16" OD, 25 ft long	050-267
Connector 5/16" OD tubing to 1/4" pipe	325-433



# CABLES

Cables and components required for operating MAWA-300A.

Item	Part Number
Power cable (10 ft)	4-37238-01
Grounding cable (3 meters)	MB0909181-3



# MICRO TIG STARTER KITS

Item	Description	Part Number
Micro TIG torch starter kit, 1/16"	Torch kit includes air cooled torch, 1/16" 2% lanthanum tungsten electrodes, 3/8" gas nozzle	10-600-01
Micro TIG torch starter kit, 3/32"	Torch kit includes air cooled torch, 3/32" 2% lanthanum tungsten electrodes, 3/8" gas nozzle	10-601-01
Micro TIG torch stand	Torch stand includes manual z axis and t-slot base for part and tool mounting	10-611-01
Micro TIG cover gas starter kit	Gas connector kit includes - gas regulator, connector for 5/16" quick connect to 1/4" piping, 5/16" tubing	10-620-01
Micro TIG cable starter kit	Cable Starter Kit includes grounding cable, power cable	10-630-01
Micro TIG safety starter kit	Micro TIG safety starter kit includes welding helmet with auto-darkening glass - color black, welding gloves	10-650-01



1820 S. Myrtle Ave. • Monrovia, CA 91016 US  
 T: (626) 303-5676 • F: (626) 358-8048  
 info@amadamiyachi.com • www.amadamiyachi.com  
 ISO 9001 Certified Company • 24/7 Repair Service: 1-866-751-7378

**AMERICAS**  
**AMADA MIYACHI AMERICA (Midwest Office)**  
 Detroit, Michigan  
 T: (248) 313-3078  
 midwestsales@amadamiyachi.com

**AMADA MIYACHI DO BRASIL LTDA.**  
 Sao Paulo, Brasil  
 T: +55-11-4193-3607  
 antonio.ruiz@amadamiyachi.com

**EUROPE**  
**AMADA MIYACHI EUROPE GmbH**  
 Munich, Germany  
 T: +49-89-839403-0  
 info@amadamiyachi.eu

**ASIA**  
**AMADA MIYACHI CO., LTD.**  
 Isehara, Japan  
 T: +81-47-125-6177  
 sales@miyachi.com

**AMADA MIYACHI KOREA CO., LTD.**  
 Seoul, Korea  
 T: +82-4-7125-6177  
 dykim@mkc.miyachi.com

**AMADA (THAILAND) CO., LTD.**  
 Bangkok, Thailand  
 T: +66-2-170-5977  
 info@mtl.miyachi.com

**AMADA MIYACHI INDIA PVT., LTD.**  
 Bangalore, Karnataka  
 T: +91-80-4092-1749  
 or +91-80-4092-3549  
 info@miyachiindia.com

**AMADA MIYACHI AMERICA (Mexico Office)**  
 El Paso, Texas  
 T: (915) 881-8765  
 mxsales@amadamiyachi.com

**AMADA MIYACHI SHANGHAI CO., LTD.**  
 Shanghai, China  
 T: +86-21-6448-6000  
 jwu@msc.miyachi.com

**AMADA MIYACHI TAIWAN CO., LTD.**  
 Taipei, Taiwan R.O.C.  
 T: +886-2-2585-0161

**AMADA VIETNAM CO., LTD.**  
 Ha Noi, Vietnam  
 T: +84-4-6261-4583

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