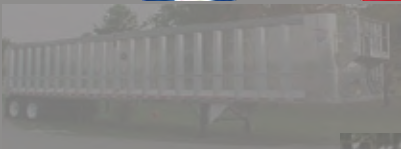




LET'S WELD

AMERICAN WELDQUIP



SERVICE



QUALITY

SOLUTIONS

AMERICAN WELDQUIP

ABOUT US

Since 1987, **American Weldquip** Inc. has been providing superior customer service and a uniquely designed line of high-quality MIG welding torches and consumables to some of the world's most discriminating welding facilities.

Today, as always, **American Weldquip** remains flexible to the needs and requests of our customers. We are dedicated to working together with our distributors and end-users partners so that we all remain competitive.

At **American Weldquip** we realize your MIG torch investment and consumable usage is one of the major costs in your welding operation. We understand your concerns and have engineered innovative designs to help reduce your total cost of ownership. Through rugged torches, designed to stand up to the roughest welding environments, to heat dissipation management for increased consumable life, we strive to provide solutions to MIG gun related issues better than anyone in the industry. Experience the **Weldquip** Advantage!

OUR CAPABILITIES

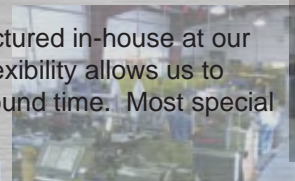
ENGINEERING and DEVELOPMENT

Working with Sales and the customer our engineering team can design and provide solutions for custom torch configurations to meet your specific requirements. **American Weldquip** utilizes state of the art 3D development software (SolidWorks) and equipment to ensure the utmost in product design and technology. Our commitment to continuous product improvement guarantees our customers are getting the most innovative, durable and high quality product possible.



MANUFACTURING

We take great pride in the fact that most of our products are manufactured in-house at our state-of-the-art manufacturing facility in Sharon Center, Ohio. Our flexibility allows us to design, engineer and manufacture special product with a fast turnaround time. Most special products ship within 3 days of an order.



From precision CNC Swiss lathes, vertical mills and other CNC multi-spindle turning centers, **American Weldquip** has made a huge investment in people and equipment. Our commitment is to preserving our reputation as a high quality manufacturer of MIG welding torches and components. We are always moving forward with the latest and the most advanced manufacturing technologies so that we can fully commit to providing the high quality standards our customers expect.



QUALITY ASSURANCE



Everyone at American Weldquip is responsible for quality. Our Quality Manual is our bible and is monitored 100%, every step of the way. With control of the manufacturing process, from each CNC machined part and consumables, to the final torch production, until it is shipped out the door insures that our customers have a trouble-free product.

Our commitment to manufacture as much as possible in-house provides us more control over the manufacturing process and stricter Quality Control measures to insure a trouble-free product.

Our reputation has been built on our engineering capability and our commitment to quality.

COMPLIANCE

All **American Weldquip** products meet the RoHS (Restriction of Hazardous Substances), an environmental law which addresses the European Union directive 2002/95/EC.

AMERICAN WELDQUIP SEMI-AUTOMATIC WELDING TORCHES

Experience the **WELDQUIP ADVANTAGE** to help reduce downtime, maximize production, lower maintenance costs and improve your bottom line.

DURABLE GOOSENECK WITH "HEAT SINK" TECHNOLOGY

The heavy-duty conductor tube and insulated outer jacket insure an extremely rugged and durable gooseneck.

The gooseneck outer jacket is designed to effectively pull the heat from the front end meaning cooler running consumables and longer life.



LONG LASTING CONSUMABLE DESIGNS

The thread-on nozzle system provides cooler operation and long life. Genuine **American Weldquip** contact tips and diffusers work together to provide extended life and superior electrical conductivity.

DURABLE TRIGGER DESIGN

With **LIFETIME WARRANTY**

AVAILABLE OPTIONS INCLUDE

Dual/Multi-Schedule Function
Extended Trigger
Gooseneck Thermal Spring

ERGONOMIC HANDLE DESIGN

LIFETIME WARRANTY

Manufactured with durable materials for long life even in the roughest welding environments. Ergonomic and balanced design for increased welder comfort.

SPRING STRAIN RELIEF

Helps to eliminate wire feed issues in extreme bend situations.

LONG LIFE UNICABLE

Manufactured to **American Weldquip's** strict specifications, offers a lightweight, cut and burn resistant cable assembly. Includes 2 extra trigger leads. The heavy-duty factory crimped cable end fittings insure a secure, positive electrical connection producing lower resistance, less heat generation and added durability.

UNIQUE SECURED WATER-COOLED POWER CABLE SYSTEM

American Weldquip is the only torch manufacturer to incorporate an "anti stretch" cord in our water-cooled cable bundle. The anti stretch cord takes all the strain off the water-cooled power cable assembly and helps to eliminate power cable failures.

AIR-COOLED

WATER-COOLED

For More Information See Catalog Sheet CAT001 and CAT002

www.weldquip.com

AMERICAN WELDQUIP SMOKE EXTRACTION AND PISTOL GRIP SEMI-AUTOMATIC WELDING TORCHES



PISTOL GRIP

300-600 Amp Air-Cooled and Water-Cooled Models
Designed For Use With Difficult To Feed Or
Specialty Wires.

Lightweight, Durable Pistol Grip Style Handle

For More Information See Catalog Sheet CAT001



SMOKE EXTRACTION

300 Amp Thru 500 Amp Ratings

Lightweight, Flexible Design Hose

Rotating Vacuum Hose Connection

Heavy-Duty, Ergonomic Handle Design

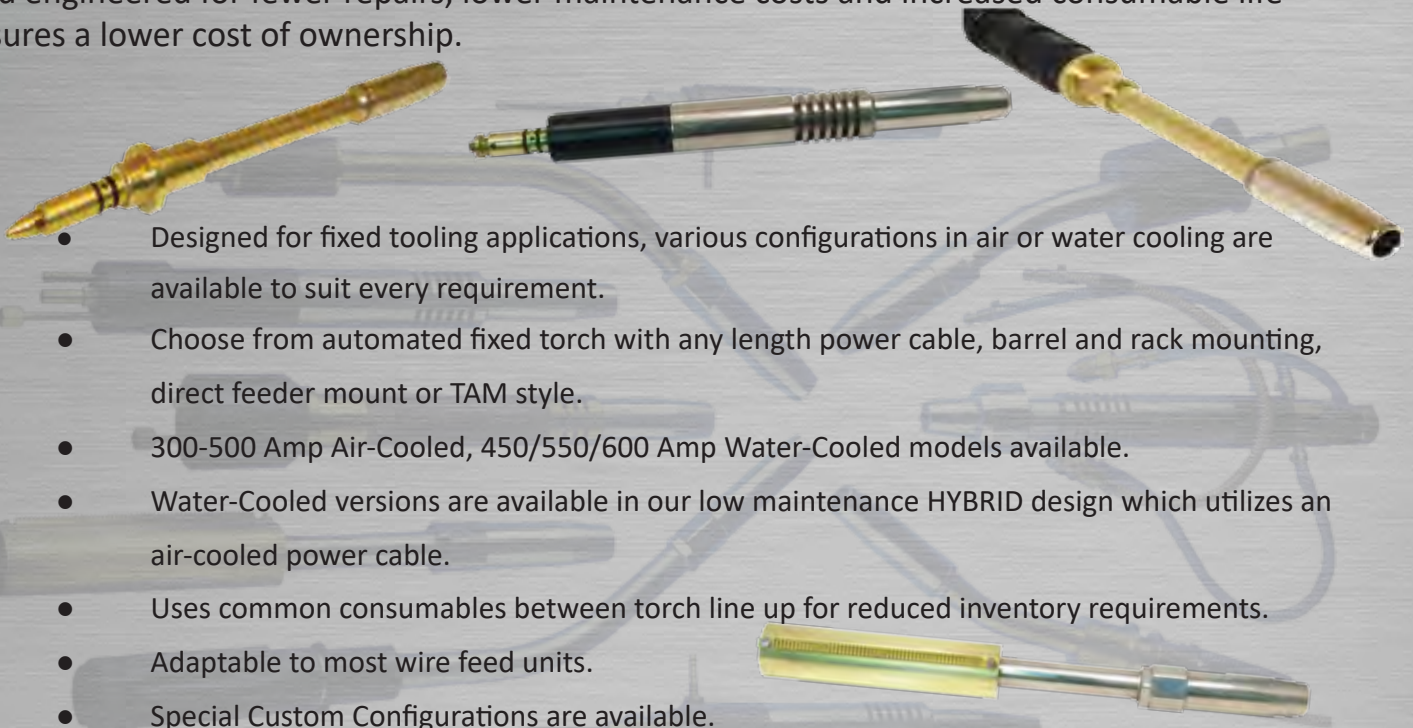
Adjustable Vacuum Chamber and Fume Nozzle

Captures Up To 90% Of Weld Zone Smoke

For More Information See Catalog Sheet CAT003

AMERICAN WELDQUIP AUTOMATIC WELDING TORCH SYSTEMS

American Weldquip automatic torches offer you unsurpassed performance not found in competitive brands. High quality materials and workmanship go into each American Weldquip torch. Designed and engineered for fewer repairs, lower maintenance costs and increased consumable life insures a lower cost of ownership.



- Designed for fixed tooling applications, various configurations in air or water cooling are available to suit every requirement.
- Choose from automated fixed torch with any length power cable, barrel and rack mounting, direct feeder mount or TAM style.
- 300-500 Amp Air-Cooled, 450/550/600 Amp Water-Cooled models available.
- Water-Cooled versions are available in our low maintenance HYBRID design which utilizes an air-cooled power cable.
- Uses common consumables between torch line up for reduced inventory requirements.
- Adaptable to most wire feed units.
- Special Custom Configurations are available.

For More Information See Catalog Sheet CAT006

www.weldquip.com

AMERICAN WELDQUIP ROBOTIC SYSTEMS

Over twenty-seven years of engineering and field experience at **American Weldquip** has allowed us to produce an extremely rugged, reliable, and low maintenance robotic MIG welding system.

LONG LIFE UNICABLE

Manufactured to **American Weldquip's** strict specifications, offering a lightweight, cut and burn resistant cable assembly. The heavy-duty factory crimped cable end fittings insure a secure, positive electrical connection producing lower resistance, less heat generation and added durability.

**300/500 AMP
AIR-COOLED**

TCP LOCATING FLAT

NO KEYWAYS - Our unique "LOCATING FLAT" flat between the mounting arm and the gooseneck means no keys to come loose or fall out. The precision CNC machined locating positioning flat has proven over and over again to be "**FLAT OUT THE BEST**" design to guarantee you repetitive TCP placement when changing out torches or goosenecks.

SPRING STRAIN RELIEF

Helps to eliminate wire feed issues in extreme bend situations.

"HEAT SINK" GOOSENECK TECHNOLOGY

Acting as a radiator, heat is effectively pulled away from the front end parts. The "HEAT SINK" gooseneck design, coupled with the thread-on nozzle system, quickly pulls and dissipates heat from the front end consumables allowing you to experience exceptional consumable life.

SUPERIOR GOOSENECK DESIGN

Heavy-duty, durable gooseneck with thick-walled brass outer tube provides superior strength in crash situations insuring less downtime and maintenance costs.

LONG LASTING CONSUMABLE DESIGNS

The heavy-duty thread-on nozzle system provides added durability, cooler operation and long life. Genuine **American Weldquip** contact tips and diffusers work together to provide extended life and superior electrical conductivity. Common consumables between torch lineup reduces inventory requirements.

AVAILABLE OPTIONS

Optional Air Blast, Voltage and Nozzle Touch Sensing, and Replaceable Nozzle Seat is available.

CUSTOM DESIGN

Custom special equipment designs manufactured to your specification.

For More Information See Catalog Sheet CAT004 and CAT005

www.weldquip.com



AMERICAN WELDQUIP ROBOTIC SYSTEMS

QUICK CHANGE SOLID MOUNT ROBOTIC TORCH SYSTEM

The **American Weldquip** Quick Change Air-Cooled Offset Arm Solid Mount Robotic System has all the durability and advanced features as our standard robotic torch systems. See page 5. Plus, the Quick Change systems offers you additional advantages.

QUICK CHANGE UNICABLE ASSEMBLY

The fast replaceability and change-out unicable design extends easy and quick servicablilty if the unicable ever has to be replaced.

INTEGRATED SOLID TORCH MOUNT

The **American Weldquip** solid mount arm features our unique "TCP Locating Flat. Plus, all the electrical connections securing the cable assembly and gooseneck are an integral part of the arm. This feature offers you a lower cost alternative when replacing cables and gooseneck thus further lowering your maintenance cost and total cost of ownership.

TCP LOCATING FLAT

NO KEYWAYS - Our unique "LOCATING FLAT" flat between the mounting arm and the gooseneck means no keys to come loose or fall out. The precision CNC machined locating positioning flat has proven over and over again to be "**FLAT OUT THE BEST**" design to guarantee you repetitive TCP placement when changing out torches or goosenecks.

QUICK CHANGE GOOSENECK

The Quick Change gooseneck design offers fast removal if the need arises for a gooseneck replacement.

American Weldquip goosenecks are still the most rugged in the industry.

For More Information See Catalog Sheet CAT014



ARCSAFE™/MULTICLUTCH COLLISION SENSORS

The **ArcSafe** and **MultiClutch** signals the E-Stop function of the robot in the event of a crash, shutting down the system and avoiding costly damage to the torch, robot or production line components. The ArcSafe is designed for protection in robotic welding application. The MultiClutch has a flange on the bore shaft for mounting of various robot equipment.

The ArcSafe-SW is specifically designed for use where crash protection is integrated into the robotic software. The 10 degree deflection feature incorporated into the ArcSafe-SW provide additional protection over other solid mount type devices.



For More Information See Catalog Sheet CAT008

TORCH MOUNTING ARMS

CNC machined from solid aluminum bar stock to guarantee accuracy and rigidity. All **American Weldquip** brackets incorporate a "Flange Lock" mounting feature which guarantees TCP accuracy and orientation when replacing the ArcSafe or torch mount. The unique, precision machined torch/gooseneck locating flat insures repeatability in the event of torch/gooseneck or arm change out.



ARCSAFE™ ADVANTAGE SERIES

300 / 500 / 550 AMP

AIR AND WATER-COOLED “THRU ARM” ROBOTIC TORCH SYSTEM

AMERICAN WELDEQUIP's combination of a heavy-duty torch design with a unique positioning flat, front end rotating electrical joint module and high life consumables provide a highly accurate, repeatable and low maintenance “Thru the Arm” robotic package for precision welding and maximum productivity.



LONG LIFE UNICABLE SYSTEM

A lightweight, cut and burn resistant cable assembly with a spring strain relief system helps to eliminate wire feed issues in extreme bend situations and insures a durable cable assembly.

EASILY ADAPTABLE

to All Make/Model Robotic Systems

360 DEGREE CONTINUOUS ROTATION

No cable twisting or torsional strain insuring long cable life.



QUICK CHANGE GOOSENECK DESIGN

Heavy-duty, quick change durable gooseneck with thick-walled brass outer tube provides superior bend resistance in crash situations.



TCP LOCATING FLAT

Our unique precision machined “LOCATING FLAT” has proven over and over again to be “**FLAT OUT THE BEST**”. Our design guarantees you repetitive and accurate gooseneck TCP placement .

“HEAT SINK” GOOSENECK TECHNOLOGY

Gooseneck design pulls and dissipates heat from front end parts providing cooler running consumables to insure longer life.

MODULAR DESIGN

Common build platform across all ArcSafe Advantage models mean lower inventory requirements.



GOOSENECK LINER

Replaceable gooseneck liner system available.

LONG LASTING CONSUMABLE DESIGN

The Genuine American Weldquip heavy-duty thread-on nozzles, contact tips and diffusers work together to provide added durability, extended life, cooler operation and superior electrical conductivity.

XTRA-GUARD COLLISION MODULE

COLLISION DAMPENING

Part and equipment damage protection with the Xtra-Guard Collision Module.

AVAILABLE OPTIONS

Collision Module
Voltage & Nozzle Sensing
Air-Blast

300/500 AMP
AIR-COOLED

550 AMP
WATER-COOLED

For More Information See Catalog Sheet CAT007

www.weldquip.com

AMERICAN WELDQUIP ROBO-QUIP NOZZLE CLEANING STATION

The Robo-Quip RQ-5000 Nozzle Cleaning Station has all the advanced features and benefits you are looking for in a robotic nozzle cleaning station.

NO EXPOSED PNEUMATIC OR ELECTRICAL LINES

All electrical and pneumatic lines are contained inside the unit offering protection from physical and UV damage.

SELF-ADJUSTING NOZZLE CLAMP SYSTEM

The Robo-Quip incorporates a self-adjusting nozzle clamping assembly. There is NO NEED to readjust when switching from one size OD nozzle to another.

FAST & EASY SETUP

The special SETUP switch allows the activation of the lift cylinder. Allows for easier setup positioning of the robot and nozzle over the reamer blade for a fast and uncomplicated setup procedure.

TCP CHECKING

Supplied as standard is a TCP pointer.



TEST BUTTONS

Test buttons for Cycle and Spray testing.

INLET AIR PRESSURE GAUGE

Easily monitor the required air supply to the reamer.



DIFFERENT COMMUNICATION PROTOCOL OPTIONS



COLOR CODED PNEUMATIC LINES

All pneumatic air lines are color coded to their specific operation for easier identification and service.

MODULAR VALVE MANIFOLD SYSTEM

The use of a completely modular valve terminal offers compactness and easy serviceability. The manifold system offers extremely high flow rates and is easy to service if required.

WIRE CUTTER

The Robo-Quip wire cutter easily cuts a variety of wire types and sizes. It is the perfect option for the Robo-Quip to cut the ball of the end of the wire.

A CLEANER ENVIRONMENT

The Robo-Quip is supplied standard with a debris tray to capture nozzle spatter. In addition, the enclosed anti-spatter spray chamber helps to contain any over spray and capture any excess in a bottle for easy disposal.

LARGE ANTI-SPATTER RESERVOIR

Hold 50% more anti-spatter solution with the 1 ½ quart reservoir.

ADAPTOR PLATES

Adaptor plates are available for mounting to competitive reamer stands.



For More Information See Catalog Sheet CAT012

www.weldquip.com

QUIP-MIST

Nozzle Conditioner and Anti-Spatter

Safe for People, Parts, The Planet and Your Productivity

- Helps Extend Consumable Life
- No Harmful Odors or Fumes
- No Chlorinated Solvents
- No Silicone or Hydrocarbons
- Non-Flammable
- Non-Hazardous
- Non-Toxic
- Biodegradable
- Paintable
- Water Based
- Will Not Plug or Clog Feed Lines and Sprayers
- Available in 8oz.(236.59ml) Spray, 32 oz(946.35ml), 1 Gallon(3.78L) 5 Gallon(18.92L) and 55 Gallon(208.20L) Containers



For More Information See Catalog Sheet CAT009

OEM BRAND REPLACEMENT GOOSENECKS

For Use with Genuine **American Weldquip** Consumables

American Weldquip's competitive goosenecks are designed for fast and easy replacement of existing competitors Robotic or Semi-Automatic styles.



CUSTOM FIT

Exact replacement of competitive brand goosenecks. TCP is duplicated and maintained to specifications on robotic goosenecks.

INCREASED DURABILITY

All replacement goosenecks offer a heavy-duty, more durable design.

INCREASED PERFORMANCE

Together, our unique gooseneck and consumable design provides improved operating performance and long consumable life.

CUSTOM DESIGNS

American Weldquip will custom design a gooseneck to fit your specific requirement. Normally completed and shipped in a matter of days.

REPLACEMENTS AVAILABLE FOR

Binzle, Fronius, Lincoln, Tregaskiss, OTC, Panasonic, SKS, Bernard, Tweco



COMMONIZE CONSUMABLES

During conversions to **American Weldquip** torch systems the replacement goosenecks offer you improved performance on competitive torches and a common consumable platform.

For More Information See Catalog Sheet CAT016

www.weldquip.com

AMERICAN WELDQUIP'S CONSUMABLE SYSTEM

Genuine **American Weldquip** heavy-duty thread-on nozzles, contact tips and diffusers work together to provide added durability, extended life, cooler operation and superior electrical conductivity.



HEAVY WALLED NOZZLES

Machined from solid brass or copper bar stock. Thread-on design for durability and excellent heat transfer characteristic. Straight inside bore provides a thick wall for superior life. Available in Nickel plate or bare finish.

CONTACT TIPS

Available in DSP copper and HRT Materials. Precision-machined with tightly held tolerances. Special design thread to keep the tip tight. Mandrel drawn ID for tight tolerance and smooth inside bore finish.

GAS DIFFUSER SYSTEM

All diffusers are manufactured in brass. Precision-machined to tight tolerances. Designed for maximum and efficient gas flow.

LINERS

Manufactured with music wire for added durability. For smooth feed characteristic all liners are zinc coated. Smooth inside profiles for better feedability.



COMMONIZE CONSUMABLES

All **American Weldquip** torches have a common consumable platform. This means you can reduce your inventory requirements by utilizing the same consumables across different torch models.

HRT - HEAT RESISTANT TECHNOLOGY XTRA Long Life Contact Tip

- Superior hardness and wear resistance.
- High electrical conductivity for improved arc starting.
- High performance, unaffected by higher operating temperatures.
- Outperforms other Tip Materials
 - 5X the life over C12200 copper
 - 3X the life over CRZR and CUCZR
- Mandrel Drawn for superior bore tolerance and finish.
- Substantially increases schedule cycle time tip change-outs.
- Lower operating costs and reduce downtime from arc failures and unscheduled tip changes.
- Manufactured in Sharon Center, Ohio.



For More Information See Catalog Sheet CAT012

www.weldquip.com

WIRE CONDUIT AND ACCESSORIES

Let **American Weldquip** help increase your productivity and reduce maintenance costs with our low friction wire payoff feed system and accessories.

CONDUIT CONNECTOR SYSTEM

Using our unique Fast N Easy modular design connector system on all feeders, pay-offs and torch heads allow you to standardize and inventory fewer parts.

WIRE CONDUIT

Select between a variety of low friction wire conduit designs for unsurpassed feedability.

STRAIGHT N EASY

The Straight N Easy wire straightener modular design easily adapts to any wire feeder, payout systems or in-line conduits.



DURA DOMES

Whichever type of electrode packaging you use, there is a Dura-Dome size and style to protect against grinding dust, dirt, spatter or other environmental debris.

For More Information See Catalog Sheet CAT017/018/019 and 020



TIG-POINT TUNGSTEN GRINDER

A unique longitudinal tungsten electrode grinding and precision cut-off all-in-one machine.

LONGITUDINAL GRINDING

By utilizing longitudinal grinding with the tungsten grain direction the arc is narrow and bell shaped and very stable. The tungsten electrode has a lower thermal load and therefore longer life



INCREASES ELECTRODE LIFE

The TIG-Point can be configured for grinding, polishing and cutting providing longer tungsten life.

PORTABLE AND EASY TO HANDLE

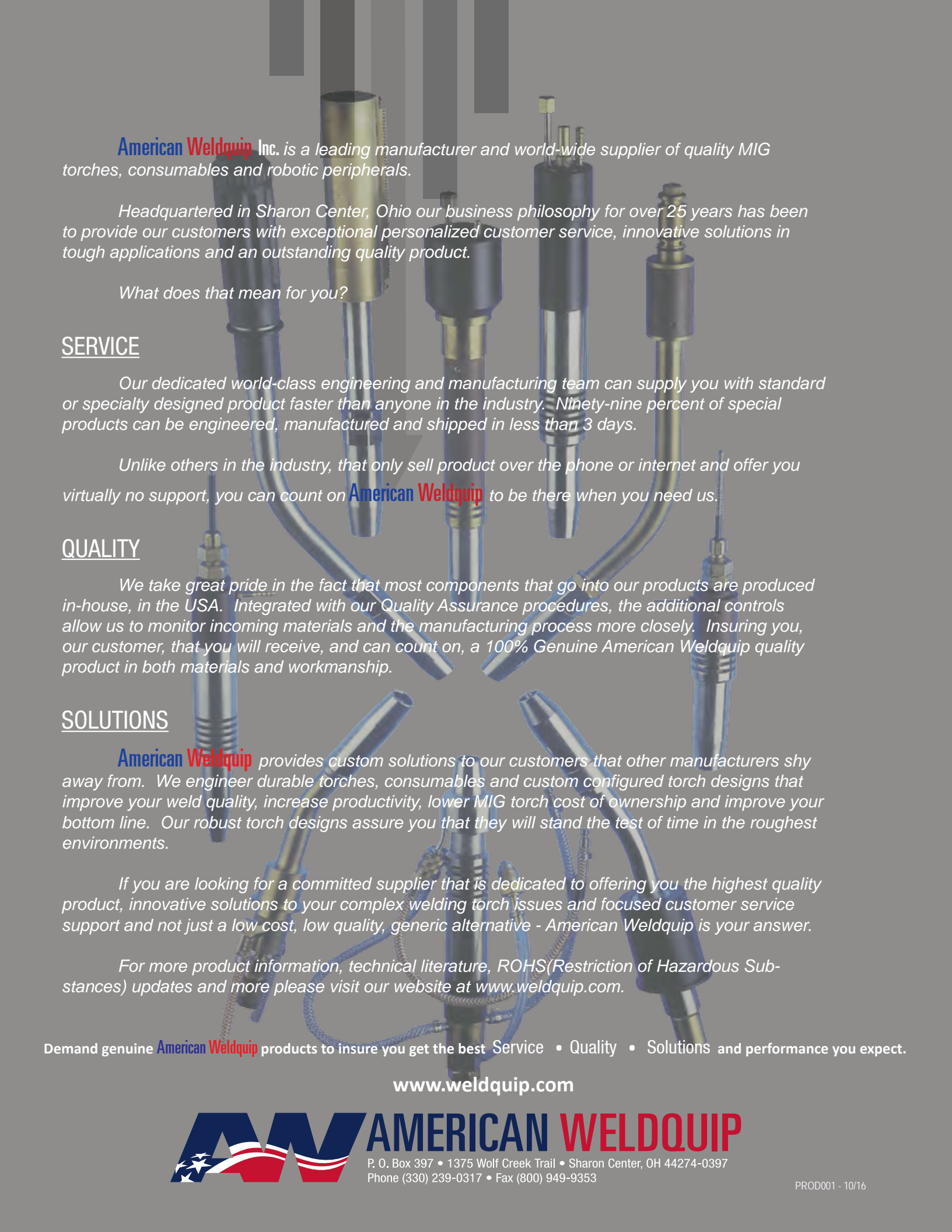
Setup and grinding operations are quick, safe, and consistently reliable.

VERSITILE

Adjustable grinding angle from 15° to 120°
Sharpens electrodes from .020"(.508mm) to 1/4"(6.35mm)
Grind electrodes as short as 5/8"(15.875mm)

For More Information See Catalog Sheet CAT013

www.weldquip.com



American Weldquip Inc. is a leading manufacturer and world-wide supplier of quality MIG torches, consumables and robotic peripherals.

Headquartered in Sharon Center, Ohio our business philosophy for over 25 years has been to provide our customers with exceptional personalized customer service, innovative solutions in tough applications and an outstanding quality product.

What does that mean for you?

SERVICE

Our dedicated world-class engineering and manufacturing team can supply you with standard or specialty designed product faster than anyone in the industry. Ninety-nine percent of special products can be engineered, manufactured and shipped in less than 3 days.

Unlike others in the industry, that only sell product over the phone or internet and offer you virtually no support, you can count on **American Weldquip** to be there when you need us.

QUALITY

We take great pride in the fact that most components that go into our products are produced in-house, in the USA. Integrated with our Quality Assurance procedures, the additional controls allow us to monitor incoming materials and the manufacturing process more closely. Insuring you, our customer, that you will receive, and can count on, a 100% Genuine American Weldquip quality product in both materials and workmanship.

SOLUTIONS

American Weldquip provides custom solutions to our customers that other manufacturers shy away from. We engineer durable torches, consumables and custom configured torch designs that improve your weld quality, increase productivity, lower MIG torch cost of ownership and improve your bottom line. Our robust torch designs assure you that they will stand the test of time in the roughest environments.

If you are looking for a committed supplier that is dedicated to offering you the highest quality product, innovative solutions to your complex welding torch issues and focused customer service support and not just a low cost, low quality, generic alternative - American Weldquip is your answer.

For more product information, technical literature, ROHS (Restriction of Hazardous Substances) updates and more please visit our website at www.weldquip.com.

Demand genuine **American Weldquip** products to insure you get the best Service • Quality • Solutions and performance you expect.

www.weldquip.com



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