

Broco, Inc./Rankin Industries
400 S. Rockefeller Avenue
Ontario, CA USA 91761

Broco Customer Relations

BROCO

Toll-free: 800.845.7259
P: 909.483.3222
F: 909.483.3233
sales@brocoinc.com

Rankin Customer Relations

RANKIN

Toll-free: 800.854.2159
P: 858.684.5000
F: 858.684.5008
sales@rankin.com

www.Broco-Rankin.com



Committed to engineering and
manufacturing superior products that
deliver quality performance.

Underwater Cutting and Welding

Military and Tactical

Industrial Cutting

Automated Welding Systems

Hardfacing

PMA Specialty Alloys



www.Broco-Rankin.com



We get it.

At Broco, Inc.[®] and Rankin Industries[®], we are on your team. We are committed to engineering and manufacturing superior products that deliver quality performance, and listening to our clients and users by providing professional customer service. We have a long history of innovation and product breakthroughs, yet we never stop searching for new ways to do things better.

Broco, Inc. sets the world standard in underwater exothermic cutting and welding with advanced torches, stingers, rods and electrodes — designed by divers for divers. We share our exothermic expertise in the industrial maintenance and repair sectors with portable torches and kits made to make cutting, piercing and gouging jobs faster and easier.

Broco, Inc. is also a leader in providing military, special forces, first responders and law enforcement units with practical, tactical forced-entry and rescue, repair and recovery tools. Our products are used around the world to protect our protectors.

Rankin Industries designs, formulates and manufactures hardfacing and build-up products to extend the use of expensive heavy equipment, as well as a range of alloys and brazing preforms for precision industries.

Rankin Automation engineers, designs and builds automated shop-based and transportable welding machines and hardbanding equipment for heavy industries, including drilling, energy, mining and agriculture.



BROCO[®]
RANKIN

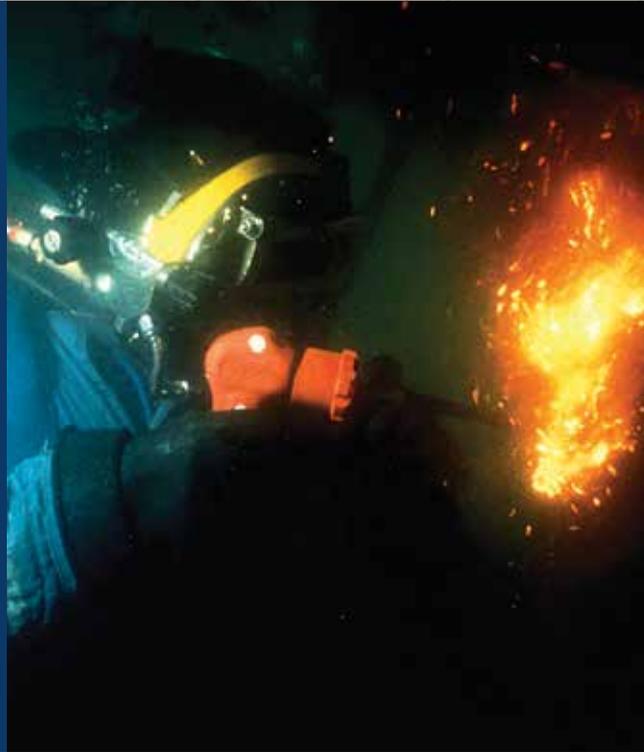
BROCO®

BROCO®

Underwater Cutting and Welding

Our experience runs deep

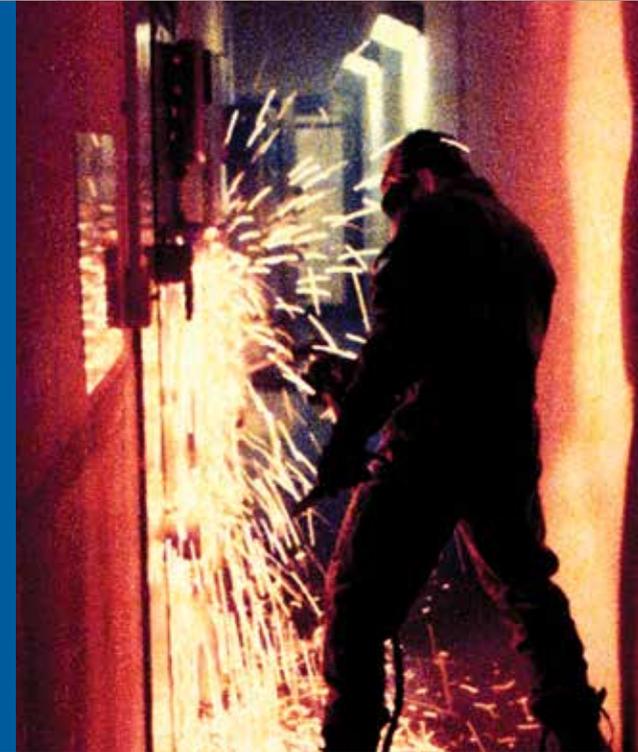
- BR-22 PLUS Cutting Torch
- Broco Ultrathermic Cutting Rods *PLUS*
- High Volume Oxygen Regulator
- BR-20 Welding Stinger
- BR-21 Welding Stinger
- Ni-Touch™ Electrodes
- SofTouch Electrodes
- EasyTouch Electrodes



Military and Tactical

Protecting our worlds together

- Rescue Torch Kits
- Rescue Blades
- Door Rams
- Door Pullers
- Door Blowers
- Hydraulic Spreaders
- Tactical Pry Bars
- Breaching Saw Kits
- Cutting Torch Kits
- GOWELD Portable Welder



Broco® Underwater's patented products and proprietary formulas make underwater cutting and welding jobs safer, faster, and more economical. Broco is the top choice for performance and quality.

Broco sets the world standard in underwater welding, exothermic cutting products, and customer service and satisfaction. Developed by divers for divers, innovation has always been at the core of Broco. Our first products were developed by working divers in 1975, and our success in the underwater arena has been built on that foundation.

The Broco Underwater Ultrathermic Cutting System is the most widely used and highly recommended underwater cutting system. Ultrathermic cutting rods have proven performance, melting almost anything using pure oxygen. And our new advanced design Ultrathermic Cutting Rods *PLUS* burn even longer. The Broco system is safer and easier to use than other underwater cutting systems. It is Approved for Navy Use (ANU), and is used by navies and commercial customers around the world.

Through dedication, research, and advances in technology, Broco continues to introduce new advanced design products, focusing on diver safety and job productivity.

Visit www.brocoinc.com to see a full list of our products and distributors, and call our Sales and Customer Relations representatives at 800.845.7259, 909.483.3222.

Since the 1985, Broco® has been supplying exothermic cutting torch systems to the U.S. Army for rescue, repair and recovery.

With advancements and diversification over the years, Broco Military and Tactical now provides rescue, repair, and breaching/forced entry products to the U.S. Army and its Special Forces, combat engineers and armor units, the U.S. Marine Corps, the U.S. Navy, and military and law enforcement tactical teams around the world, including organizations in the Americas, Africa, Asia, Europe and the Pacific Rim.

Today we offer a full line of forced entry products that follow the natural progression of breaching, ranging from mechanical, to saw, to torch, to dynamic hydraulics.

With input from our customers—the operators who daily face difficult obstacles and the need to overcome them—we continue to innovate and bring to market products that make breaching faster, safer and easier.

Visit our website at www.brocoinc.com for a full list of products available, and call our Sales and Customer Relations representatives at 800.845.7259, 909.483.3222.

BROCO®

Industrial Cutting

Freedom to cut and weld anywhere

- Broco® Exothermic Torch
- Broco Exothermic Cutting System
- Broco Prime-Cut® Advanced Design Cutting Rods
- Ultrathermic Cutting Rods
- Utility Torch Kits
- GOWELD™ Portable MIG Welder
- Industrial Uses
- Recreational Uses



RANKIN®

Automated Welding Systems

Be part of the momentum

- Vibratory Carbide Feeder
- Hardfacing Machines
- Portable and Shop-Based Systems
- Hardbanding and Smoothbanding Systems
- Sugar Roll Machines
- RANTRAK™ Quality Assurance Software
- Custom Systems



Broco® Industrial maintenance and repair tools provide professional, portable, and powerful performance. Broco Exothermic Cutting Systems and Prime-Cut® Rods are the professional's first choice for cutting, gouging and piercing.

The Broco Exothermic Cutting System includes the Broco exothermic torch and Broco Advanced Design Cutting Rods *PLUS*. This unique torch system uses pure oxygen to burn at extremely high heat, as much as 10,000° F. Used with Broco Ultrathermic and new advanced design Cutting Rods *PLUS*, the torch liquefies almost any material in its path, including cast iron, steel, stainless steel, nickel, titanium, aluminum, concrete, granite, and most exotic metals.

Use the Broco torch for construction and demolition, fire and rescue, heavy equipment repair and maintenance, marine and dredging operations, metal producing and casting, plant maintenance, railway and utility projects and in rock quarries.

GOWELD™ is Broco's portable MIG welder, featuring an on-board computer and proprietary software. With just two 12-volt batteries, GOWELD users can *Go Anywhere, Weld Anywhere!* GOWELD is used by professionals and rescue and repair organizations, as well as do-it-yourselfers, farmers and ranchers, and hot rod and off-road enthusiasts.

Visit www.Broco-Rankin.com, and call our Sales and Customer Relations representatives at 800.845.7259, 909.483.3222.

Rankin® Automation engineers innovate automated welding equipment to meet customers' industry specific needs. Improving operating efficiency and bottom line performance for our customers are our primary objectives.

Rankin Automation hardbanding and smoothbanding systems for the drilling industry can apply multiple successive bands quickly, and are available in shop-based, field-based and mobile trailer units. Bands and welding parameters can be recorded with Rankin's patented RANTRAK™ Quality Assurance software. For multiple welding jobs, twin-axis welding machines can get more complex jobs done even faster.

Rankin's Vibratory Carbide Feeder applies high wear resistant Tungsten Carbide and other hardfacing and build-up materials to machinery and equipment that gets heavy use, extending machine and part life, and saving customers from high replacement costs.

In addition to the oil and gas, petrochemical and other energy industries, Rankin Automation designs and builds automated welding machines for use in agriculture, mining, construction and dredging. Custom machines may also be ordered for specific customer needs.

Visit www.Broco-Rankin.com to see the variety of automated welding machines we offer, and call our Sales and Customer Relations representatives at 800.854.2159, 858.684.5000.

Hardfacing

Extending and rebuilding together

- Manganese Alloys
- Chromium Carbide Alloys
- Tungsten Carbide Alloys
- Carbon Steel Build-Up Materials
- MIG Carbide
- RanCut Arc Cut Wire
- NANO 7™ Ultra High Performance
- Ranomatic™ 969-G



PMA Specialty Alloys

Pure, precise possibilities

- Nickel Alloys
- Cobalt Alloys
- Tungsten Heavy Alloys
- Preforms
- Brazing
- Solder
- Customization



Since 1938, Rankin Industries® has been engineering solutions that offer quality, consistency, and reliability in the design, formulation, and manufacture of build-up and hardfacing products.

Rankin is a specialty formulator of wires for specialized maintenance, OEM, repair industries, and commercial and industrial applications worldwide. Custom alloys are also available upon request. Rankin's varied hardfacing wires are designed to extend part life by addressing abrasion, corrosion, impact, temperature and wear resistance.

Ranomatic™ 969-G is a general purpose hardfacing alloy which produces a good balance of abrasion and impact resistance. It can be used for metal-to-metal friction applications as well as metal-to-earth abrasion.

RanCUT™ is a specialty arc cut wire designed to remove existing hardfacing deposits and prepare for new welds without air assistance. Rankin's NANO 7® ultra-high performance crack free alloy delivers a nano-crystalline structure that resists most abrasive materials.

Call Rankin Sales and Customer Relations at 800.854.2159, 858.684.5000 to discuss the multiple applications of Rankin's hardfacing wires, and which would best address specific needs.

Visit www.Rankin.com.

Rankin's Protective Metal Alloys™ (PMA) is a specialty formulator and manufacturer of high quality brazing alloys, hardfacing products and metal alloys.

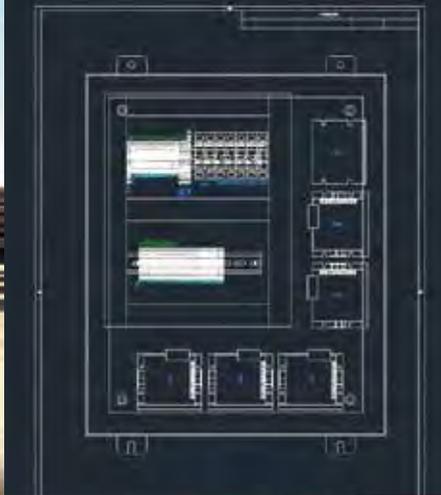
PMA produces a range of specialty alloys, wear-resistant products including hardfacing alloys, a selection of specialty brazing preforms, build-up and overlay products, and dental alloys. PMA serves a wide range of industries, from aviation to petrochemical, power generation, tool & die, rubber, mining, and oil exploration and drilling.

PMA offers Nickel alloys for hardfacing rods and powders, brazing rods and powders, and brazing preforms. Cobalt alloys in hardfacing rods, wires and powders offer high temperature, corrosion and erosion resistance with high tensile strength and a low coefficient of friction.

PMA Tungsten heavy alloys are ideal for health care applications and custom solutions. They are high density and environmentally friendly, and offer superior deformation and radiation resistance.

Call the PMA Sales and Customer Relations group at 800.854.2159, 858.684.5000 for more Rankin PMA solutions.

Visit www.Rankin.com.



Broco Rankin Technology Center

*Dedicated to Supporting
Your Needs*



The Broco Rankin Technology Center includes a team of highly skilled professionals dedicated to supporting customer needs and wants, and to finding new ways to address old problems. The group specializes in mechanical engineering, machine design, drafting, metallurgy and production.

Focusing on new ideas and technologies, as well as research and development and planning, the Technology Center strives to provide the best possible solution for every customer need. User safety and cost efficiency are always key objectives.

The Technology Center dedicated two years to the redesign of the Broco Underwater Cutting Torch, resulting in the new BR-22 PLUS, implementing 21 changes to provide greater safety and usability to divers. It dedicated another 2 years to the redesign of the Broco Underwater and Industrial Cutting Rods, resulting in our advanced design PLUS rods. These new rods cut and burn 20% more than standard rods giving more Broco quality and performance to our customers.

The team continues to work on a number of other new products and enhancements to existing systems in order to make our industries safer and our processes faster and easier.

Tell us your needs and we'll find a solution.

Visit www.Broco-Rankin.com and call us at 800.854.2159.

BROCO RANKIN

