

MIGtips

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IMPROVE QUALITY AND BOOST PERFORMANCE

BERNARD®

"I've chosen to use Centerfire for this program, because I feel I can put more pounds of wire through the tip, nozzle and diffuser with less breakdowns."

— SCOTT A. CATALANO, WELDING INSTRUCTOR, QUALITY INSPECTION SERVICES.



Bernard MIG Specialist Emil Vasek (holding MIG gun), Aldo Jackson, Ph.D., director, ECTS (left), welding instructor Scott A. Catalano (left-center) and Ken Dougan of General Welding Supply.

BERNARD HELPS INCREASE PA WORKFORCE

Bernard provides quality equipment, excellent service

Like many fabricating and manufacturing companies across the US, those in north-west Pennsylvania have experienced a shortage of qualified welders during the past several years. To address the problem, the Erie County Welding Course Initiative was formed from an alliance between the Erie County Technical School (ECTS) and local manufacturers. Bernard and local distributor, General Welding Supply, have helped along the way by providing quality products like Q™-Guns and Centerfire™ consumables.

The Erie County Welding Course Initiative allows participating companies to train and certify their newly hired welders at the ECTS. Through customized instruction, a student earns the certifications required by his or her hosting company. Instructors like Scott A. Catalano mold the curriculum

around the specific needs of each company.

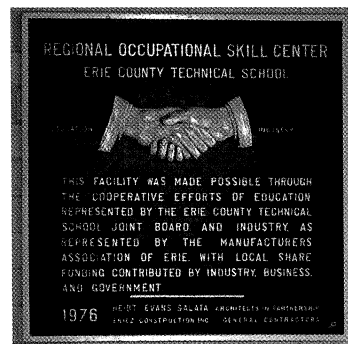
Together, Bernard and General Welding Supply have helped meet ECTS' need for quality products that will address the local companies' production demands. Catalano cites the excellent technical support he has received from Bernard as a huge asset to the program. "I'm extremely happy with the response I'm getting," says Catalano. "It's been phenomenal. I have never seen that before and I love it."

Along with reliable technical support, Catalano knows quality welding equipment helps produce quality results. It also saves time, money and operator frustration in the long run. That's why he chose Bernard® Q-Guns™ and Centerfire™ consumables for the ECTS program.

"I've chosen to use Centerfire, because I can put more pounds of wire through the tip, nozzle and diffuser with less breakdowns," says Catalano. "To give you an average: the students put down about 150-pounds of wire per Centerfire tip on a short circuit application." That volume means students can spend more time welding instead of changing consumables. Plus, Centerfire tips can be rotated 360-degrees to create new wear surfaces for longer tip life.

Like the manufacturing companies participating in the alliance, Catalano also knows that downtime can affect the program. To prevent it, students use the durable Bernard Q-Gun. The Q-Gun's upgraded backend assembly increases durability and flexibility on the demanding MIG applications used by students and minimizes maintenance problems.

With the help of Bernard, the Welding Course Initiative will continue helping companies invest in the quality of its products and employees and provide Erie area residents with rewarding career paths in welding. "There are a variety of things you can do with welding," adds student Jeff Grunzel. "It seems like the field is expanding and I see a lot of opportunities for advancement in the future."



ECTS certifies welders to meet the region's demand for a highly skilled workforce.

**INDUSTRY LEADING
PERFORMANCE**

**CENTERFIRE™
CONVERSION ADAPTERS
GAS DIFFUSERS**

Bernard's conversion adapters and gas diffusers, you can experience the same benefits of Centerfire™ technology even if you don't currently use a Bernard MIG gun. Centerfire consumables offer better arc starts, less spatter, more penetration and last up to three times longer than competitive brands.

- With our conversion adapters and gas diffusers, convert MIG gun brands like Tweco®, Lincoln®, Miller®, Tregaskiss® and Binzel® to Centerfire™.

Expand your consumables inventory by using one type of tip for all gun diameters—regardless of MIG gun brand.

Centerfire™ nozzles provide superior coverage for improved weld quality. Large diameter tips increase electrical conductivity and heat dissipation to extend tip life.

Highly machined Centerfire™ tips offer superior arc performance.

When coupled with the appropriate nozzle, Centerfire™ contact tips stay fixed either with the end of the nozzle, at 1/8" or 1/8" recess or 1/4" recess.

**BERNARD® Q300
COMBINES WITH
MILLERMATIC®
350/350P TO
INCREASE
PRODUCTIVITY**

Bernard 15-ft. Q300 MIG guns with Centerfire consumables will now be featured on Millermatic® 350 and 350P inverter power sources from Miller Electric. The Bernard® Q300 has been engineered in a lightweight, cool-running package to help improve operator comfort and productivity.



EXCELLENT PERFORMANCE

The Bernard® Q300 and Millermatic® 350/350P integration is part of an ongoing initiative to provide the industry with packaged welding solutions. The Q300 has been specifically chosen to complement the performance of the Millermatic® 350 and 350P, especially on thin gauge aluminum, stainless steel and steel applications.

The Bernard® Q300 is a 300-amp, 100 percent duty cycle, air-cooled gun capable of delivering an equal amount of power to the weld as a

400-amp gun when using mixed gases [Argon/CO₂]. The Q300 MIG gun with Centerfire consumables ensures you can achieve the top quality performance expected from the Millermatic® 350 or 350P power sources. The vented Q300 handle offers cooler operation and a tapered body tube creates a continuous and seamless connection between the handle, nozzle and power cable—features that help minimize electrical resistance and heat output for greater welding efficiency and operator comfort.

FACTS & FIGURES

DID YOU KNOW?

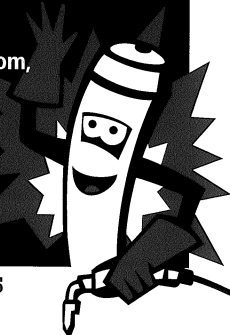
85 percent of hand held welding is labor related. Bernard® guns can be customized for your application to ensure maximum productivity and lower costs.

Centerfire™ tips can be rotated degrees to create new wear surfaces, which extends tip life.

- According to a recent survey, approximately 92 percent of companies who have tried Centerfire™ consumables plan to convert their remaining guns.
- The heavy-duty trigger of a Bernard® Q-Gun™ is designed and built to last more than 1 million cycles.

**NEW
RESOURCES**

Buying Bernard products has never been easier. Using our new distributor locator at BernardWelds.com, simply enter your zip code and our system quickly locates your nearest distributor.



**MIG-MAN'S
TIP**

Centerfire consumables are sold through Bernard® authorized wholesalers and distributors. For more information or a location near you, call 800-946-2281 or visit bernardwelds.com