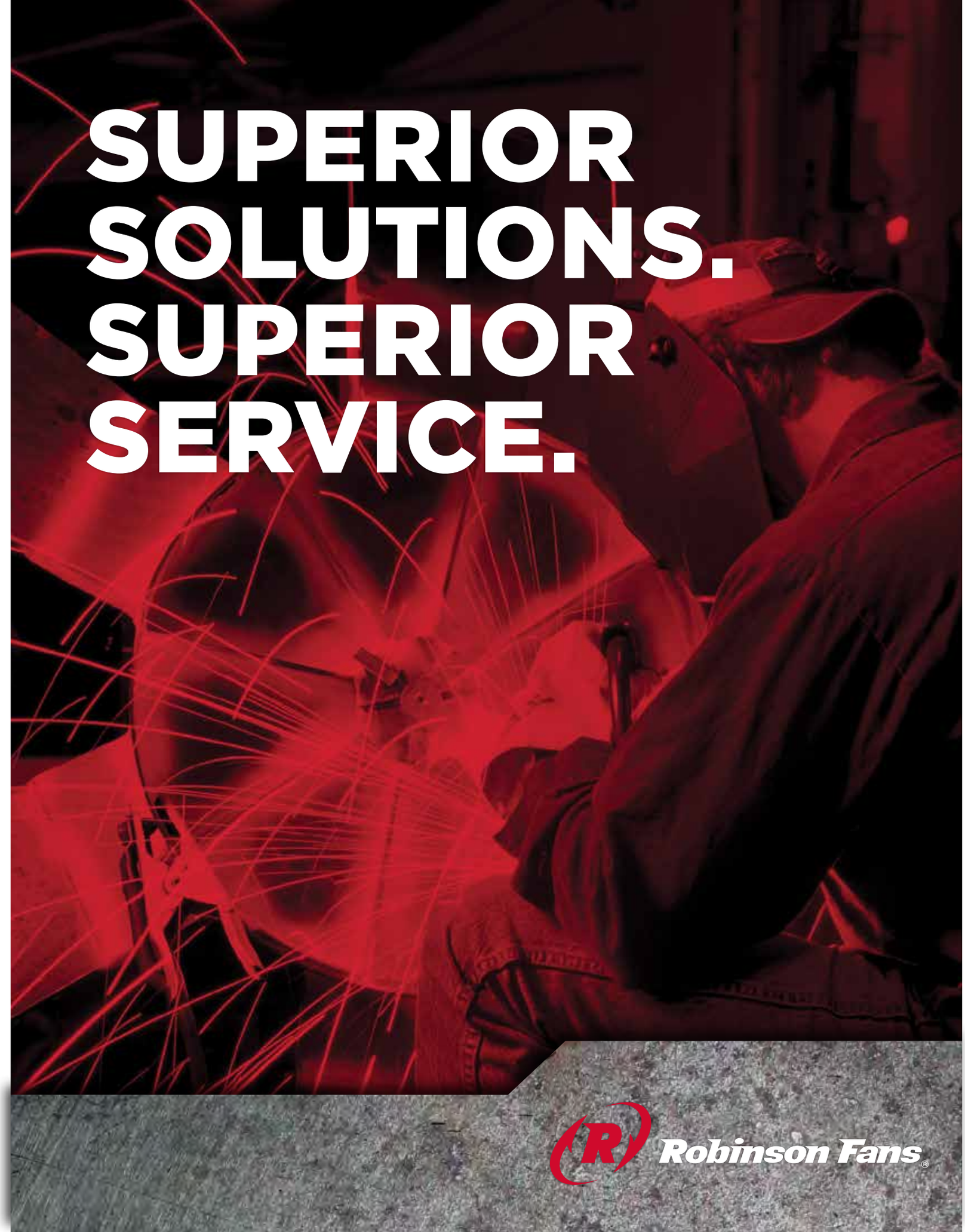


Robinson Fans®

OUR MISSION IS SIMPLE:

"WE WILL FULFILL OUR CUSTOMERS' VALUE EXPECTATIONS FOR SUPERIOR AIR MOVING SOLUTIONS, EQUIPMENT AND SERVICES. AND, WE'RE COMMITTED TO DOING *WHATEVER* IT TAKES TO SEE THAT THIS IS ACCOMPLISHED."

WE PRACTICALLY INVENTED THIS INDUSTRY.

The seed that would cultivate a sixth-generation leading industrial fan manufacturer was planted in 1863 when Samuel Robinson immigrated from England to the United States and began working in the coal mines of Western Pennsylvania. Soon after, Samuel and his son, J.R. Robinson, began to collaborate on mining machinery projects. Together, they founded Robinson Machine Company in Monongahela, Pennsylvania in 1892.

Prior to the turn of the century, coal mines relied on natural draft ventilation to remove dangerous and explosive fumes — such as methane gas. Realizing the need for a better technique, J.R. invented one of the first mechanical fans for mine ventilation. J.R. continued the ongoing development of fans, steam boilers, engines, hoists, crushers, and haulers to further coal mining efforts. This was the start of a history of innovation – innovation that would become what Robinson Fans is today.

YOU HAVE THE NEED. WE HAVE THE EXPERTISE.

At Robinson Fans, we pride ourselves on having a product and service for nearly any industry in need of an air-moving solution.

INDUSTRY SPECIALTIES

- Power Generation
- Mining
- Cement and Rock Products
- Carbon Products
- Chemical and Petrochemical
- High Temperature Treatment
- Air Pollution Control
- Ferrous and Non-Ferrous Metals
- Food Processing
- Emerging Processes

PRODUCTS

Centrifugal Fans

- Air Foil
- Backward Curve
- Backwardly Inclined
- Forward Curve
- Industrial Exhausters
- Paddle Wheel
- Pre-Engineered
- Radial Blade
- RL Pressure Blower
- Surgeless Centrifugal Blowers

Axial Fans

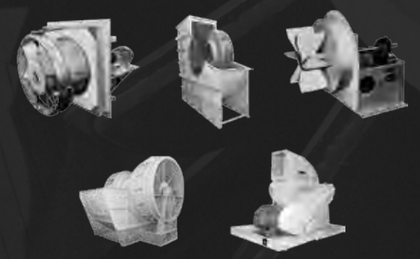
- Tube Axial
- High Temperature Axial (HTAX)

Additional Products

- BLO Bearings
- Industrial Dampers

SERVICES

- Emergency Repairs
- Emergency Response
- Laboratory Testing
- Turnkey On-Site Service
- Field Testing
- Field Balancing
- Retrofit or Upgrade Design

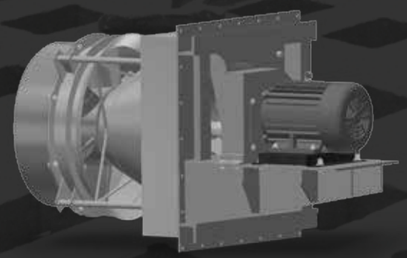


HTAX — HIGH PERFORMANCE FOR HIGH DEMANDS.

Demands of the high-temperature material baking industry have increased exponentially over the past few years. End users are looking for stronger, more reliable, and lighter weight material. To meet these demands, quality materials — such as aluminum-based alloys — are manufactured through various heat-treatment processes for use in increasingly complex and demanding applications. Robinson Fans understands the need for these kinds of materials. Recently, our high-temperature, axial flow design underwent significant testing and redesign to ensure we offer customers the best in HTAX solutions.

HTAX REDESIGNED FEATURES

- Improved uniformity of the flow and circulation produced by the fan (whether within a furnace or other application)
- Easier maintenance and reliability of the fan
- Decreased delivery time of drawings to the customer
- Reduced manufacturing time in order to improve delivery deadlines and lower the price charged to the customer



ROBINSON BLO BEARINGS — FOR ULTIMATE RELIABILITY.

Robinson Fans has been manufacturing high-quality fans and blowers since 1892. So naturally, we know a thing or two about the critical components. When performance and reliability demands increase, the need for robust bearings increases as well. That's why we created Robinson BLO bearings for high-speed fan applications.

Typically used to solve bearing failure due to excessive vibration and temperature, BLO bearings are more effective than the traditional two independent pillow block ball bearing arrangement. Plus, BLO bearings provide a long-term solution. If you're tired of lost time and production due to unexpected shutdowns and recurring maintenance, it's time to invest in the proven reliability of BLO.

BLO BEARINGS FEATURES

- Two-bearing unit ensures precision alignment of bearing inserts
- Includes two single-row, deep groove ball bearings (alternate bearing combinations available upon request)
- Higher speed capabilities than separate pillow block housings
- Ideal for fans and other overhung rotating equipment
- Heavy, cast-iron construction
- Oil lubrication
- Shaft size ranges from 65 mm to 100 mm
- Complete BLO line acquired from Dodge/Baldor/ABB
- Manufactured in the USA

CUSTOM BUILT TO YOUR STANDARDS. OVERBUILT TO OURS.

Whether your application involves abrasive materials, corrosive elements, extreme temperatures, or hazardous contents, you can rely on our expertise to custom build a fan to meet your exact needs.

Critical features such as high pressure, high volume, efficiency, material options, high-operating temperatures, and other design factors motivate our efforts to constantly improve our designs. From a sturdy alloy fan built for a slow, specific-speed, dirty application, to the lithe fan built for high volume, clean air applications, Robinson Fans' product line covers the gamut of industrial design and demand.

A FAN FOR ANY APPLICATION

- Power Generation
- Mining
- Rock Products
- Carbon Products
- Chemical & Petrochemical
- Thermal Treatment
- Ceramic
- Air Pollution
- Ferrous and Non-Ferrous Metals
- Food Processing
- Emerging Processes
- Custom Applications

Manufactured from start to finish inside our own facilities, Robinson maintains quality assurance throughout the entire equipment-building process. Our fans are built in one of four facilities strategically located around the U.S. — Pennsylvania, Florida, Texas, and Utah. We invite you to come tour one of our facilities and meet the team who will be designing and manufacturing your custom fan.

RAPID RESPONSE — TO GET YOU UP AND RUNNING, FAST.

We understand that competition is fierce, and that there's no room for downtime or waste. That's why Robinson Fans' Rapid Response Team provides experienced, efficient, and expert assistance to keep systems running at optimal levels and to maximize the lifetime and efficiency of your equipment.

Members of our Rapid Response Team have the field-service experience necessary to provide hands-on evaluation and maintenance of your entire system. Whatever the issue, the Rapid Response Team will work to diagnose the underlying problem. Our team of engineers begins by examining the original equipment — regardless of make, model, design, or manufacturer. After identifying potential reasons for the damage or failure based on the information they've collected during examination, your options will then be provided for repair, replacement, upgrade, etc. Our goal is to have your plant up and running as quickly as possible and at a price you can afford.

FIELD SERVICES

- Pre-Grout Inspection
- Commissioning Service
- Field Balancing
- Field Air Performance Testing
- Fan Troubleshooting
- Maintenance Seminars
- Equipment Inspections
- Installation Supervision
- Anything else you need to stay up and running

With more than 100 years of engineering design, laboratory testing, and research, Robinson Fans' Rapid Response Team always provides superior performance optimization, design upgrades, downtime reduction, prolonged fan life cycles, improved energy efficiency, dynamic balancing, and more.

When your plant requires quality repairs and technical expertise — without the cost of a new fan — consider our dedicated team of experts.

WE TEST — SO YOU DON'T HAVE TO.

When you want to improve the efficiency or the performance of a currently installed fan, Robinson Fans' Lab Team offers prototyped testing in order to determine the degree of your fan's workability and overall performance. We do this not only to support our customers, but to maintain our company-wide initiative of ongoing innovation and quality improvement. Whether developing new products, prototypes, retrofits, or testing for quality assurance, our team works in an AMCA Accredited Lab for air performance and sound testing to ensure all tests are done in a controlled environment.

ROBINSON TESTING PROCEDURES

- Manufacturing quality assurance testing — including magnetic particle testing, x-ray testing, ultrasonic testing, and dye-penetrate testing
- Air performance, sound, and resonant impact testing
- Model and structural analysis using impact testing and FFT narrow band analysis
- Mechanical run, vibration, and 2-plane balance verification — with electrical capacity to run motors up to 700 HP VFD and variable frequency drive voltages from 230V to 4160V

All of our testing is done to ensure that you're completely satisfied with your fan, your components, and your entire Robinson Fans experience.

OUR FACILITIES — BECAUSE LOCATION IS EVERYTHING.

ROBINSON FANS

Pennsylvania Facility
400 Robinson Drive
P.O. Box 100
Zelienople, PA 16063
Phone: (724) 452-6121
Fax: (724) 452-0388

Florida Facility
3955 Drane Field Road
P.O. Box 6260
Lakeland, FL 33807
Phone: (863) 646-5270
Fax: (863) 646-1712

Texas Facility
2424 Oak Street
Abilene, TX 79602
Phone: (325) 437-3267
Fax: (325) 437-3268

Utah Facility
725 S. Gladiola Street
Salt Lake City, UT 84104
Phone: (801) 972-3303
Fax: (801) 972-3445

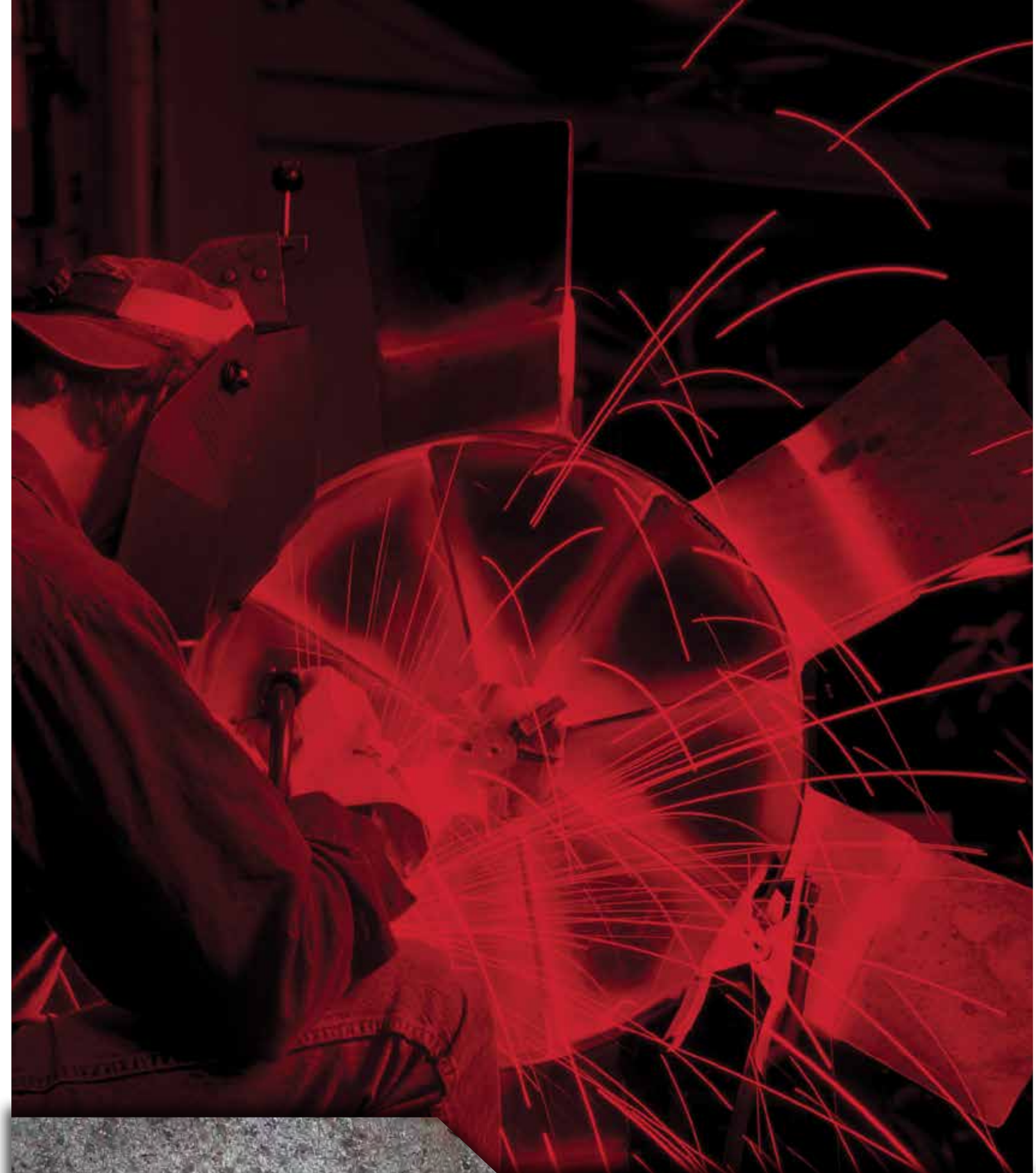
ROBINSON SERVICE

Alabama Facility
P.O. Box 707
Trussville, AL 35173
Phone: (205) 655-8312
Fax: (205) 655-8327

Pennsylvania Facility
400 Robinson Drive
P.O. Box 100
Zelienople, PA 16063
Phone: (724) 452-6121
Fax: (724) 453-7424

"IT'S BEEN YEARS SINCE WE UPGRADED TO THE AIG BLOWER WITH BLO BEARINGS FROM ROBINSON FANS. IT'S WORKED EVER SINCE. THIS WAS ONE OF BEST UPGRADE DECISIONS WE'VE MADE."

BOB IBRAHIM
PLANT ENGINEER
CALPINE



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