

# MINING INDUSTRY EXPERIENCE

*Single-source solutions for above and underground mining*

## NORTH AMERICAN COVERAGE



### UNITED STATES [www.ips.us](http://www.ips.us)

Beaumont, TX	888-868-9475
Birmingham, AL	800-978-2212
Chicago, IL	800-978-4559
Cincinnati, OH	800-998-8447
Cleveland, OH	800-433-7801
Corpus Christi, TX	361-459-2600
Denver, CO	800-448-0899
Detroit, MI	800-992-9466
Des Moines, IA	515-608-8215
Dothan, AL	334-699-8080
Erie, PA	724-479-9066
Evansville, IN	812-665-4400
Folcroft, PA	484-498-4848
Houston, TX	800-221-3698
Indiana, PA	800-537-0097
Lake Benton, MN	507-368-4015
Litchfield, MN	888-694-6200
Philadelphia, PA	800-451-5718
Portland, OR	800-366-4951
Rock Hill, SC	800-868-3702
Shreveport, LA	800-366-6030
Sulphur, LA	409-833-9477
Sweetwater, TX	325-933-4274
Washington, PA	800-441-2553

### CANADA [www.ips.ca](http://www.ips.ca)

Regina, SK	306-586-0000
Saskatoon, SK	306-651-0400
Winnipeg, MB	204-237-6066

## IPS MINING REPAIR SERVICE HIGHLIGHTS

### MegaSeal™ rewind of a synchronous compressor motor for gold mine

IPS performed a MegaSeal™ stator rewind for a 72,800 lb. ABB synchronous motor. The 18,500 HP, 13.8 kV unit powers a compressor in harsh operating conditions, which made the MegaSeal™ VPI engineered insulation essential.

Our mining customers demand reliability. MegaSeal™ is a proven insulation system tested under water per IEEE 1776-2008 and carries a five-year warranty.



*18,500 HP, 13.8 kV stator being removed from enclosure*

### Dedicated small motor repair departments and machine shops

IPS operates dedicated small motor repair departments in service centers across North America, providing comprehensive repair and testing on NEMA and other specialty low-voltage motors up to 690 V. These self-contained departments are specifically designed to provide quality cost-effective repairs and short turn times for fast delivery.

IPS also offers extensive machining capabilities, including turning, pressing, welding, plating and both horizontal and vertical milling.

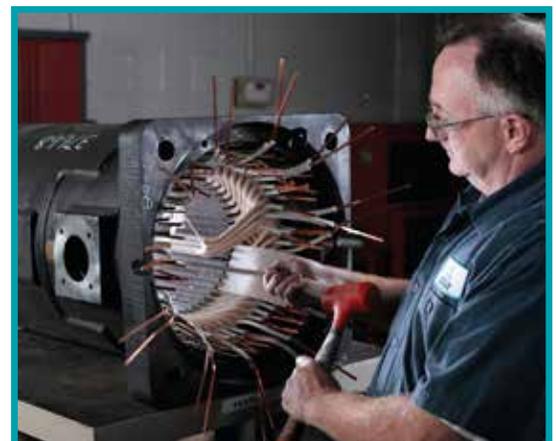


*Self-contained small motor repair departments include parts washers, ovens, balancing and testing equipment*

### Motor repair to MSHA certification

As the former service division of Reliance Electric, IPS has extensive MSHA repair knowledge and experience with both AC & DC mining motors. As an authorized warranty repair provider, IPS provides customers with high quality OEM-level repairs.

For more information on IPS repair services, please contact your IPS sales representative or visit us at [www.ips.us](http://www.ips.us).



*Underground mining motor repaired to MSHA Certification*

# IPS MINING REPAIR SERVICE HIGHLIGHTS

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### New 2,500 HP motor from stocked inventory

IPS recently supplied a new Siemens 2,500 HP, 4,160 V induction motor from our **Above NEMA inventory**. The motor was modified and attached to a diesel generator and motor base. IPS bored all couplings to size, mounted and aligned the engine with an air clutch and the motor, tested the unit and then disassembled the entire drive train for on-time shipment. Once on site, an IPS field service team assisted with the installation and commissioning of the completed skid. IPS stocks 1/4 - 2,500 HP motors from most major manufacturers in locations across North America.



*New 2,500 HP / 4,160 V induction motor installed on diesel generator skid – total skid weight: 37,500 lbs.*

### Rebuild of a process circulating pump

We remanufactured a 38" Goulds/Morris process circulating pump with a 316 stainless steel liner for a Rocky Mountain mining customer.

IPS restored the worn stainless liner and repaired the shaft ends to restore seal and bearing journals. IPS also machined new stainless sleeves, installed a new impeller, balanced it and added new bearings. Everything was machined to specification and delivered within 90 days—at a fraction of the cost of a new unit.



*Remanufacture of 38" Pump with 316 stainless steel inside liner for an 800 HP / 450 RPM circulating pump*

### Motor rewind and CST rebuild for slope belt conveyor

IPS repair technicians combined their rewind and CST experience on a recent job for a mining customer's slope belt conveyor. IPS rewound the stator on the Reliance motor, rebuilt the Dodge CST and tested everything. As an authorized warranty repair provider, IPS provides customers with OEM-level quality repairs, giving these conveyors the consistent, controlled starts and stops they need.



*Reliance 600 HP / 4,160 V motor and Dodge CST skid for slope belt conveyor*

### Rewind of DC mining hoist motor

IPS rewound and rebuilt a DC motor for a customer's chemical mining operation. The Westinghouse unit – 20,000 lbs., 1,750 HP and 500 VDC – drives a hoist at the mine.

IPS did a rewind and complete rebuild on budget and on time. Mining customers like service providers to be as reliable and trouble-free as their motors – the IPS repair specialists and field service teams have years of experience surpassing those expectations.



*Rewind and rebuild of a 20,000 lb. / 1,750 HP / 500 VDC mining hoist motor*