



# AGGREGATE AND MINING SOLUTIONS

Durable and reliable pipe systems for aggregate and mining applications



[www.isco-pipe.com](http://www.isco-pipe.com) | 800-345-4726





The most common use for pipe in the aggregate and mining industries is water management. The design, construction, operation and maintenance rely on pipe systems that are rustproof, break-resistant, corrosion-free, and environmentally friendly. From dewatering to tailings from the mill, pumps and pipework play a vital and integral part to keep fluids moving.

At ISCO, we make piping our business so you can stay focused on yours. We use high density polyethylene pipe (HDPE) for aggregate and mining applications. HDPE is durable and reliable even when utilized in rugged terrains, extreme climates, and changing site environments. Our broad range of HDPE piping systems, GIW<sup>®</sup> pumps and expertise provide long-term value to mine operators with a need for maximum reliability, resiliency and energy efficiency.



# PRODUCTS AND SERVICES

ISCO is highly experienced in meeting the needs of mine operators across a broad range of complete piping systems—including GIW pumps for the aggregate market and HDPE pipe.

Our team custom designs and integrates centrifugal and submersible, split-case and vertical turbine pumps with HDPE piping for the transport of water. The excellent abrasion and chemical resistance qualities of HDPE make it an ideal solution for collecting and handling extreme solids.

We also provide fusion services, equipment and training needed to install and maintain the integrity of your pumps and pipes. When the system needs to be moved or modified, we offer an extraordinary inventory of fittings and ancillary items available from a single source for your convenience. It's a total package that has made ISCO a world leader in fluid collection and transportation.

## Overview

- HDPE pipe and fittings
- GIW slurry pumps
- Fresh water and slurry valves
- Fusion equipment
- Fresh water process pumps
- Pump barges and pipe flotation
- Fusion services and training
- Fresh water and slurry
- Portable diesel pumps
- Fabrication and spooling
- Submersible pumps
- Process equipment
- System analysis and design
- Fresh water hose products
- Rubber lined products
- Sales and technical support
- Slurry hose products
- Flow rate and measurement tools



## BENEFITS

- Leak-free
- Lightweight and durable
- Corrosion, chemical and UV resistant—great for underground pipes
- Hydraulically smooth
- Fatigue and surge resistant
- Long-lasting and weather-resistant

# HIGH-DENSITY POLYETHYLENE (HDPE)

HDPE uses a unique heat fusion joining process called butt fusion, giving it the lowest rate of leakages out of all pipe materials, including other plastic and metal. It is ductile, durable, leak free and virtually inert, making it highly resistant to cyclical fatigue and well suited for a broad range of demanding applications.

HDPE is a polyethylene thermoplastic made from petroleum. It's one of the most versatile types of plastic pipe on the market, recyclable and can be used in either rigid or flexible form.

The landfill, natural gas, geothermal, and oil patch markets have relied on its leak-free, corrosion-resistant, and flexible benefits for years.

The combination of flexibility and leak-free joints allows for unique and cost-effective installation methods. It is maintenance-free and has a longer life cycle than legacy systems.



# GIW PUMPS

ISCO offers custom-engineered pump solutions for the mining industry through the GIW® brand. GIW slurry pumps can handle even the harshest pumping conditions in mining.

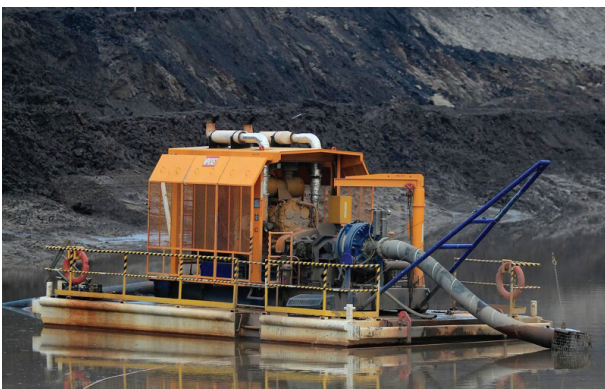
Aggressive slurries require slurry pumps engineered for maximum reliability to keep your processes in motion and your costs in check. GIW's pumps are your best option for high efficiency, low maintenance and the lowest total cost of ownership—tackling heavy-duty applications and capable of handling slurries with highly abrasive and/or corrosive contents.

## Applications



### Slurry Transport

Aggressive slurries in mining require reliable slurry pumps. GIW® slurry pumps are engineered for maximum reliability to keep your processes in motion and your costs in check.



### Process Water and Dewatering

Mining water pumps need to conserve precious water while standing up to tough slurries. GIW's heavy-duty pumps help you tackle the challenges of mine dewatering and process water applications without sacrificing on performance.



## FUSION EQUIPMENT

**Rent, buy used or buy new.** As North America's largest distributor of HDPE McElroy fusion equipment, ISCO is your best source, whether your preference is rental or purchase.

**More than HDPE equipment. Total HDPE solutions.** The right equipment, along with the right pipe, fittings and fabrications. Provided with advice and training to make sure your project goes smoothly.

**Largest and newest rental fleet in the industry.** ISCO maintains the industry's largest and newest rental fleet. That means we have exactly the equipment you need, in great condition and ready to go to work.

**We excel at solving problems.** Our equipment selection and expertise are second to none. Equally important is our attitude. We live to solve problems. Count on ISCO for customized, on-the-money solutions.

# YOUR **ALL-IN-ONE** PIPING SOLUTIONS PROVIDER

Since 1962, ISCO Industries started in the back of a family hardware store and has since grown to become a worldwide leader in providing thermoplastic piping solutions. Whether it's new construction or replacing existing, corroded pipe, ISCO has what you need for your **aggregate and mining applications**.

ISCO stocks and sells a wide variety of piping materials and provides custom fabrication. Through ISCO's global footprint and experienced staff, they offer piping solutions with engineered, cost-efficient packages that will deliver longer service life, while reducing the total cost of operations.

Every situation and every mining facility are unique. For an expert recommendation on how our superior pump and piping products can help eliminate headaches, reduce downtime and maintenance, contact an ISCO expert at **mining@isco-pipe.com** or call **800-345-4726**. We are passionate about helping you find a solution.





**ISCO**<sup>®</sup>

[www.isco-pipe.com](http://www.isco-pipe.com) | 800-345-4726