

Glycine Leaching Technology

Sustainable, cost-effective, metals extraction

Finding a low-cost way to recover base and precious metals without harming the environment is crucial for the mining industry as well as the planet.

Metals extraction, reimagined

Glycine Leaching Technology is a non-toxic, biodegradable approach using an amino acid that can selectively leach gold, copper, nickel, cobalt and silver while meeting industry needs for more sustainable and cost-efficient operations.

Proven success

Glycine was developed by researchers at the world-renowned Curtin University in Australia and has been proven to be non-volatile and stable in real-world mining operations. It provides access to more complex ores that would otherwise be unviable, while reducing a mine's carbon footprint and lowering its overall operating costs.

Significant benefits

Unlike conventional reagents that can be harmful to the environment, Glycine is safe and breaks down naturally. It's so safe, it's even used as a nutritional supplement! And it can be used again and again, saving you money.



Enhance profitability

Reduce costs and increase revenue.



Minimize environmental impact

Reduce carbon emissions and contribute to a sustainable future.



Optimize operations

Benefit from Glycine's versatility and efficiency.

GlyCat™ and GlyLeach™

Two ways we are transforming the mining industry.



Eco-friendly gold leaching technology that reduces reliance on cyanide.

A reusable solution that significantly reduces the amount of cyanide needed to extract gold from ores.

GlyCat™ can achieve up to 90% less cyanide use, depending on the type of ore, while also reducing the detoxification needed to clean up cyanide-contaminated water.



Reduce cyanide

Reduce cyanide consumption by up to 90%.



Save costs

Cut processing costs by up to 50%.



Streamline extraction

Achieve greater efficiency in the leaching process.



Improve mineral recovery

Increase mineral recovery rates.



Extract base and precious metals with precision, then recycle and reuse.

GlyLeach™ provides mining companies with a safer, more efficient, and more profitable alternative to traditional metal extraction methods.

It leaches target metals with precision, while the recyclability of glycine, the primary reagent, significantly reduces waste and enhances sustainability.



Reuse 50% to 90% of the glycine

Depending on recovery method deployed.



Transform previously uneconomic ore bodies

Turn potential into profitable projects using glycine.



Extract with precision

Selectively leach base metals with very little gangue.



Easy to implement

No capex is required, GlyLeach only needs a simple change of chemicals.

Helping you meet ESG goals and sustainability targets

Mining has set ambitious sustainability targets, including a pledge to achieve net-zero emissions by 2050. Glycine Leaching Technology can significantly enhance your mining operations' environmental goals and ESG targets.

- **Reduce cyanide use:** Minimize environmental risks.
- **Use non-toxic reagents:** Protect staff, communities and ecosystems.
- **Improve efficiency:** Increase metal recovery and reduce costs.
- **Extend mine life:** Improve profitability.
- **Promote responsible mining:** Demonstrate a commitment to sustainability.
- **Enhance environmental sustainability:** Minimize your carbon footprint and reduce risk.
- **Improve social performance:** Create safer working conditions and support local communities.
- **Strengthen governance:** Demonstrate a commitment to responsible and ethical mining practices.



Join the movement towards responsible mining with Draslovka and see the benefits.

Leaching with Glycine

GlyCat™ Glycine-Cyanide		
Whole of Ore Leaching	Concentrate Leaching	Tailings Leaching
Gold ores with copper and other high cyanide consumers.	Gold in sulphide concentrates.	Gold leaching tailings.
Gold in sulphide ores.		Base metal flotation tailings.
PGM sulphides and oxides.	PGM sulphide flotation concentrates.	PGM sulphide flotation tails.

GlyLeach™ Glycine with Specialized Additives)		
Whole of Ore Leaching	Concentrate Leaching	Tailings Leaching
Nickel/cobalt sulphide.	Nickel/cobalt flotation concentrate.	Nickel/cobalt sulphide tailings.
Copper oxide.		
Free milling gold.		
	Copper sulphide flotation concentrates.	Copper sulphide tailings.
PGM sulphides and oxides.	CPGM sulphide flotation concentrates.	PGM sulphide.

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About Draslovka

- We’re a leading global supplier of sodium cyanide with a collective experience of 200+ years in manufacturing reagents.
- We’re trusted by the biggest mines around the world for seamless reagent supply.
- Our long-standing commitment to R&D ensures that our clients benefit from the latest innovations such as our patented Glycine Leaching Technology, advanced process analytics & AI metallurgy services.
- Our Innovation Centre is continuously developing breakthrough technologies to future-proof mining operations.

