

99%+

Solids Recovery

79%

Max Cake Solids

3,000xG

Compact Separation



Dewatering Solutions for the Steel Industry

From blast furnace sludge to BOF scrubber water,
one centrifuge helps separate the tough solids that slow steel production.

Why a Centrifuge?

Steel mill sludge is heavy, abrasive, and variable.

A decanter centrifuge is purpose-built for high-solids feed, continuous operation, and dry, stackable cake without filter media.

- ▶ Handles feed from <1% to 35%+ solids without adjustment.
- ▶ Produces dry, stackable cake that can reduce hauling volume and improve handling.
- ▶ Wear-resistant construction supports abrasive mill sludge.
- ▶ Low polymer demand helps keep operating costs controlled.
- ▶ One centrifuge can support multiple sludge streams across the plant.

Problems a Centrifuge Helps Solve

There is a better way to separate solids, recycle water, and keep production moving.

- ▶ **Hauling costs eating your budget.**
Drier cake can reduce truck volume, handling time, and tipping fees.
- ▶ **Filter presses cannot keep up.**
Avoid constant washwater, belt replacement, and supervisor demands.
- ▶ **Regulations are getting tighter.**
Enclosed systems support a controlled, documented process.
- ▶ **Lagoons filling up, permits stalled.**
Dewater sludge to a stackable cake, extending lagoon life or eliminating the need entirely.



24/7

Emergency Support

35+ Years

Centrifuge Expertise

All Brands

Alfa Laval, GEA, Andritz, Flottweg

ISO 9001:2015

Certified Quality System

Solids Separation That Fits Real Plant Conditions

Water is used throughout steelmaking for cooling, descaling, dust scrubbing, and process support. That means solids handling can affect water reuse, discharge quality, maintenance, and operating costs.

CS Series Dewatering Centrifuge

Separate abrasive sludge into dry cake and clear centrate with compact, enclosed equipment.

Process Evaluation & Bench Testing

Validate performance before equipment selection using your actual sludge sample and facility goals.

Service, Repair & Parts

Support all major decanter brands with inspections, rebuilds, dynamic balancing, spare parts, and field service.

Industrial Separation Support

Apply Centrisys/CNP separation experience to steel mill wastewater, sludge, and solids recovery challenges.

Decanter Centrifuge vs. Alternative

	Centrifuge	Filter Press
Supervision	Minimal	Constant
Enclosure	Fully Enclosed	Open/Messy
Washwater	Minimal	High Volume
Feed Range	Wide Tolerance	Narrow Band
Footprint	Compact	Large

Proven Applications

	Cake	Results
Blast Furnace Sludge	65-75%	>99% Recovery
BOF Sludge	79%	Heavy & Light Solids
Wastewater Sludge	55-65%	Low Polymer

Talk with Us

Free Sludge Sample Testing

Ask about bench testing and what data we need from your process.

Review Your Current Setup

Discuss filter press, lagoon, clarifier, or centrifuge bottlenecks.

Plan Service Support

Talk through inspection, rebuild, parts, and emergency repair needs.



Ready to test your sludge?

(262) 360-7770

The Centrisys/CNP team can help evaluate dewatering, service, and solids handling options for your mill.

