

AGGLOMERATORS

PROVEN ORE AGGLOMERATION

Focused on quality.
Committed to excellence.



www.westpromachinery.com

AGGLOMERATORS OVERVIEW



Westpro's Agglomerators are trusted worldwide to deliver consistent, high-grade results in the most demanding operating conditions.

All of Westpro's Agglomerators are expertly configured to fit specific project requirements and goals, ensuring every custom-engineered system thrives throughout its operational life-cycle.

MODELS | AGGLOMERATORS



TIRE DRIVE (TD)

- Versatile and efficient operation
- Shock absorbent for high capacity operation
- Simplified Installation & Maintenance
- Specially designed **Adjustable slope mechanism** for precise retention time adjustment.



CHAIN DRIVE (CD)

- Designed for durability and ease of maintenance.
- Best suited for material handling and heap leaching operations.
- Engineered for high performance in dusty, abrasive operating environments.



GEAR DRIVE (GD)

- Robust, high-torque performance for applications requiring precise control and long-term reliability.
- Engineered for harshest operating conditions and high-capacity throughput.

AGGLOMERATORS TIRE DRIVE



Westpro's **Tire Drive Agglomerator** provides reliable solution for ore agglomeration, thanks to it's robust design that replaces traditional riding rings with heavy-duty rubber tires, minimizing maintenance and spare parts costs. Engineered for precision, these systems come equipped with a full VFD package and an optional hydraulically adjustable slope frame, allowing for precise process control and optimized residence time.



Adaptive Agglomeration Control

Designed to handle materials with varying moisture and particle sizes, it allows operators to fine-tune pressure and speed, producing cohesive granules with minimal fines and maximum efficiency.



Operator Centric Design

Easy access for cleaning, inspection, and adjustment makes daily operation intuitive. Safety, ergonomics, and maintenance are seamlessly integrated without compromising performance.



Precision Engineered Torque Transmission

The tire drive system ensures smooth, controlled power transfer, minimizing stress on components and delivering consistent, uniform agglomeration.



AGGLOMERATORS CHAIN DRIVE



Westpro's Chain Drive Agglomerators are built for durability and efficiency, making them the standard choice for heavy-duty ore agglomeration. Featuring high-horsepower chain drive system, these agglomerators excel in high-tonnage applications while maintaining low maintenance cost. Engineered for long service life, the Chain Drive Agglomerator by Westpro delivers reliable performance in demanding operations, year after year.



Heavy-Duty Rotating Drum

Lined with abrasion-resistant rubber and fitted with internal lifting bars, this system promotes consistent agglomeration while minimizing maintenance and downtime.



Custom Engineered Frame

Westpro's Custom-Designed Frame feature ensures the optimal drum slope for the desired residence time – providing consistent and effective agglomeration.



Robust Feed Chute

Replaceable wear liners, available in variety of material options to best match your process conditions. The configurable design offers ease-of-maintenance and optional dust seal for improved air quality for near-by operators.



AGGLOMERATORS GEAR DRIVE



Westpro's Gear Drive Agglomerators are engineered for the highest-tonnage ore agglomeration applications. Featuring a heavy-duty gear transmission system, these agglomerators provide precise torque control, superior power transfer efficiency, and reduced mechanical losses compared to conventional alternatives. The enclosed drive system ensures minimal exposure to contaminants, reducing wear and extending operational lifespan.



High-Torque, Scalable Drive Assembly

Engineered to handle dense materials, high compaction forces, and increased roll sizes without speed fluctuation or power loss, allowing the system to scale to higher capacities while maintaining stability and control.



Continuous Load Capability

Designed for uninterrupted operation in high-throughput environments where sustained torque and reliability are critical.



Fixed Ratio Speed Control

Gear ratios provide stable, repeatable roll speeds, delivering predictable granule size and density throughout extended runs.



AGGLOMERATORS INSTALLATIONS

KALGOORLIE | **AUSTRALIA**

TIRE DRIVE AGGLOMERATOR

TYPE OF PROJECT | **GOLD PROJECT**

EQUIPMENT SUPPLIED | **AG1233TD TIRE DRIVE AGGLOMERATOR**

YEAR COMMISSIONED | **2020**



AGGLOMERATORS INSTALLATIONS

SANTA CRUZ | **ARGENTINA**

TIRE DRIVE AGGLOMERATOR WITH ADJUSTABLE SLOPE MECHANISM

TYPE OF PROJECT | **GOLD PROJECT**

EQUIPMENT SUPPLIED | **AG1233TD-AS TIRE DRIVE AGGLOMERATOR**

YEAR COMMISSIONED | **2016**



AGGLOMERATORS INSTALLATIONS

SALTA | **ARGENTINA**

CHAIN DRIVE AGGLOMERATORS (2)

TYPE OF PROJECT | **GOLD PROJECT**

EQUIPMENT SUPPLIED | **AG1240CD (2) CHAIN DRIVE AGGLOMERATORS**

YEAR COMMISSIONED | **2018**



AGGLOMERATORS AT THE SHOP

WESTPRO MANUFACTURING FACILITY | CANADA



AG1233TD Tire Drive Agglomerator during final assembly and testing (top left)

AG1240CD Chain Drive Agglomerator ready for shipment to Argentina (top right)

AG1233TD Tire Drive Agglomerator during fabrication (bottom left)

AG1233TD Tire Drive Agglomerator shipped from Westpro's fabrication facility in Ontario, Canada (bottom right)

