

Alumina refineries are important for our society’s sustainable growth — providing a vital base material for automobiles, building components, and consumer products. However, daily operations present an elevated risk of equipment failure from scale buildup, erosion, and abrasion. Operations and engineering firms must be confident in the products and services of their trusted supply partners.



Bray products have been proven not only in test labs, but in critical alumina refinery applications around the world — building a reputation for extended lifecycles and quality designs, backed by a sales & service team with local presence to support our customers around the globe.

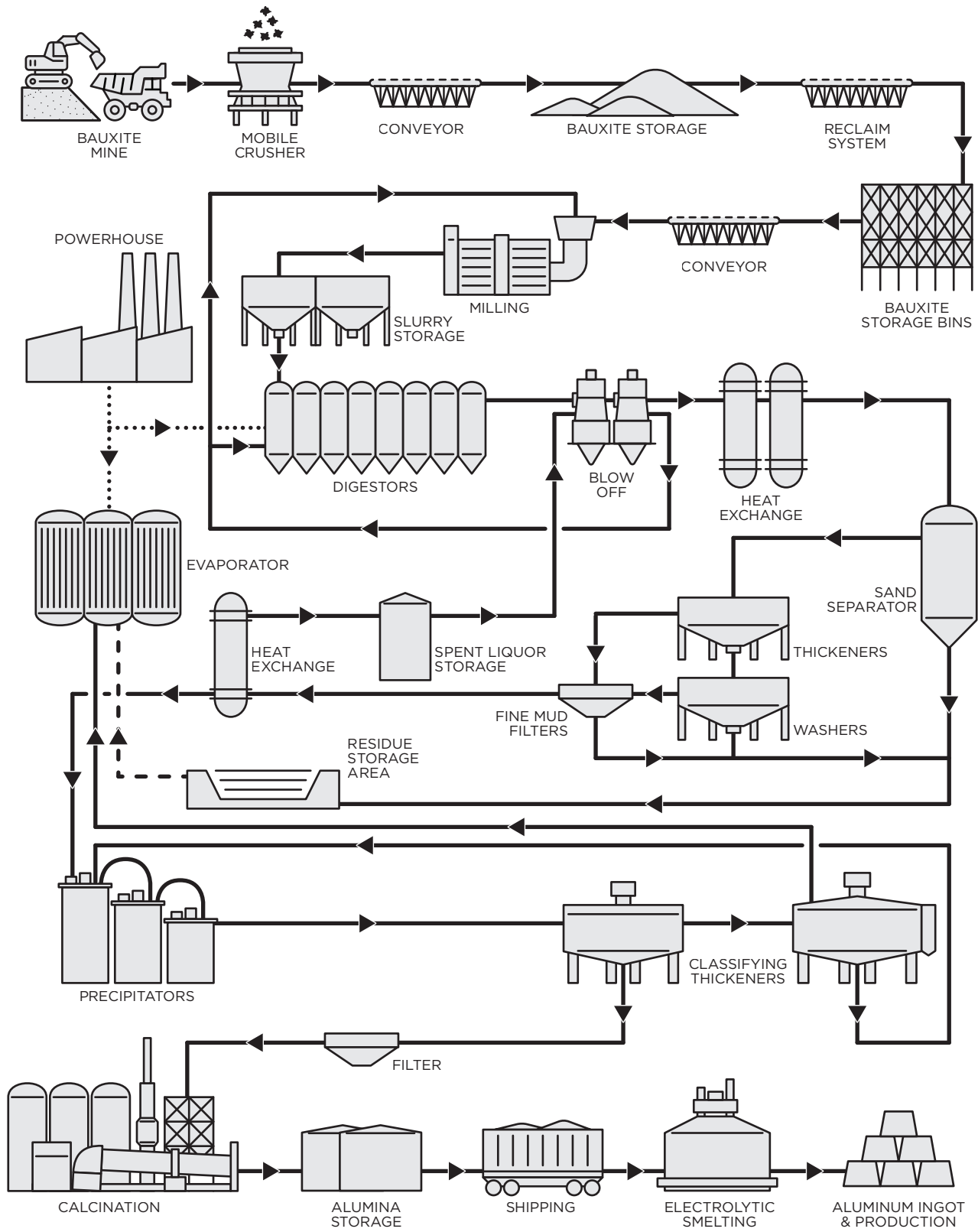
OUR PRODUCTS IN ALUMINA REFINING

PROCESS

PRODUCT	BRAND	TYPE	MODEL	Spent Liquor	Hot Spent Liquor	Green (Pregnant) Liquor	Cleaning Caustic	Digestion Slurry	Mud Slurry & Sand Slurry	Bauxite Slurry	Washer Overflow	Settler Overflow	Underflow	Flocculant	Leach Mix (Sodium Aluminate)	Oxalate Slurry	Alumina Hydrate Fine Seed Slurry	Alumina Hydrate Slurry	Powerhouse & Water Treatment	Process Condensate	Steam	Low Pressure Steam	Contaminated Vapour Return	Lime Slurry		
BUTTERFLY VALVES	Bray	PTFE Lined	Series 22/23	■										■												
		PFA Lined	Acris Series 24/25				■																			
		High Performance	McCannalok (RTFE Seat)	■	■	■	■										■				■	■	■			
		High Performance	McCannalok (UHMWPE Seat)															■	■							
		Resilient Seated Triple Offset	Series 2X, 3X TriLok®	■		■																	■			
KNIFE GATE VALVES	Bray SlurryShield®	Bidirectional	768, 767, 762			■		■	■	■	■	■	■				■	■					■	■		
BALL VALVES	Bray	Severe Service	Series M4																							
		Flanged (2-piece)	Series F15/F30																					■		
ROTARY CONTROL VALVES	Bray	High Performance	McCannalok (Metal Seat)																			■	■			
		Butterfly (Lined)	Series 39L XMM				■	■	■	■	■	■	■	■					■							
			Series 39L XMC											■												
			Series 39L XCC															■	■						■	
			Series 39L X44				■	■	■																	
			Series 39S XMM				■	■	■											■						
Series 39S X44				■	■	■																				
CHECK VALVES	SlurryTuff	Segmented Ball	Series 19/19L						■																	
		Air Release/Vacuum Break	EZI-VAC							■																
ACTUATORS & CONTROL ACCESSORIES	Bray	Ball Check	Maxi-Check							■																
		Scotch Yoke	Series 98, 98H, 98EH	■	■	■	■	■	■	■	■	■	■	■								■	■	■	■	
		Rack & Pinion	Series 92, 93	■	■	■	■	■	■	■	■	■	■	■												
		Electric	Series 70																				■			
		Gear Operator	Series 04, 05	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
Positioner	Series 6A, 6P	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■			

NOTE: For more product information and downloads, visit BRAY.COM.

TYPICAL ALUMINA REFINING PROCESS (REPRESENTATION)



LEGEND WATER - - - - - STEAM