HAVER & BOECKER

NIAGARA

XL-CLASS VIBRATING SCREEN

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The Niagara XL-Class vibrating screen combines advanced exciter drive technology with a wide body to offer better screening action and more throughput. It is intended for high tonnage production rates, yet designed for low maintenance, easy operation and unmatched reliability.

FEATURES & BENEFITS

- Pre-engineered components allow for easy re-configuration based on customer requirements and material applications
- Robust body design with non-welded side plates eliminates cracking, extending machine life
- Bridge-mounted, exciter drive system maximizes machine reliability with extended maintenance intervals
- Application-specific body design, supported by Finite Element Analysis (FEA), technically optimizes the design according to customer requirements
- Large deck sizes maximize feed rates

APPLICATIONS

Classifying
(Wet or Dry)

SAG Mill Screening

Dewatering

INDUSTRIES

Mining

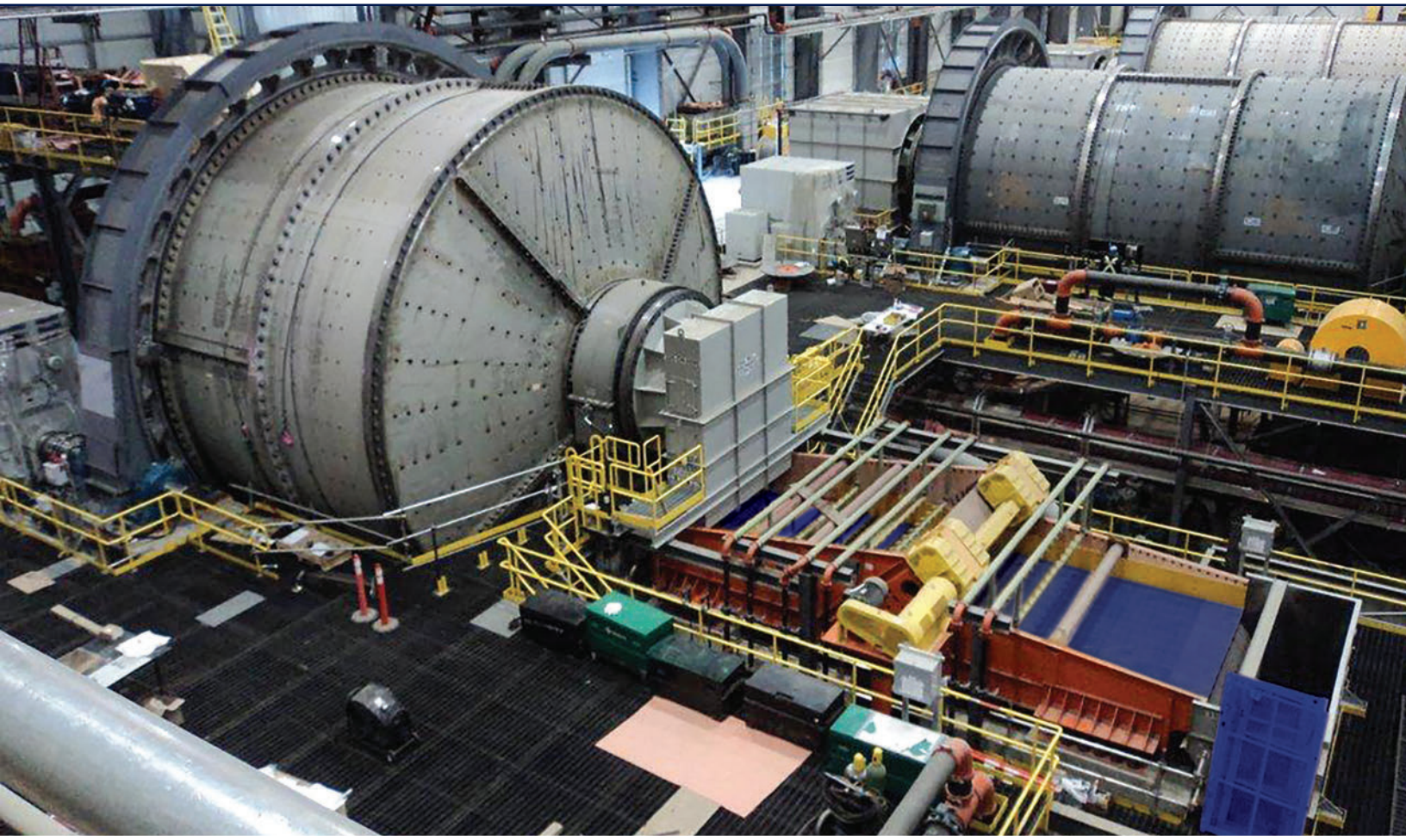
Aggregates

Minerals

Cement

Food

XL-CLASS SPECIFICATIONS



CLASS	WIDTH	LENGTH	DECKS	CUT RANGE	TOP SIZE	CAPACITY IN TPH	INCLINATION	EXCITERS	LUBRICATION	ACCELERATION
XL	6′	16′	1-3	48 mesh - 10″	16″ minus	Up to 800	-3 to 10°	1 - 2	Oil	4.8 - 5.2g
		20′								
	8′	16′				Up to 1,200		1 - 3		
		20′								
		24′	1-2							
	10′	20′			40″ minus	Up to 3,000				
		22′								
		24′								
	12′	24′				Up to 5,000				
		26′								
		28′								
	13′	24′+				Up to 15,000				
	14′	24′+								

NIAFLOW PLANT SIMULATION SOFTWARE

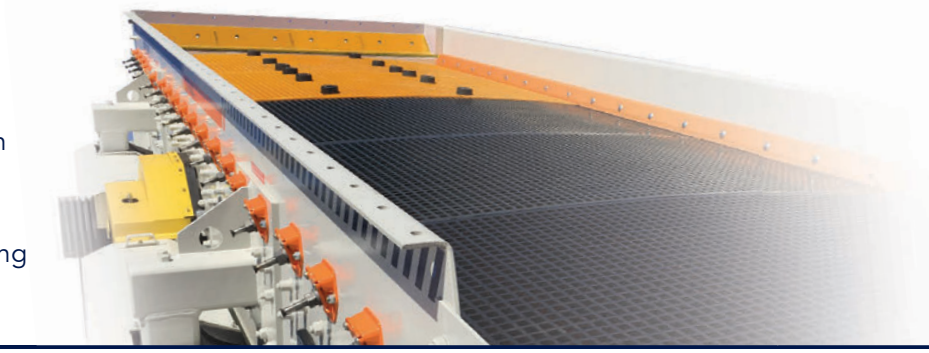
NIAflow is used to design new mineral processing plants, or optimize existing plants, to predict production based on input tonnage, material characteristics and equipment set-up.

SCREEN MEDIA

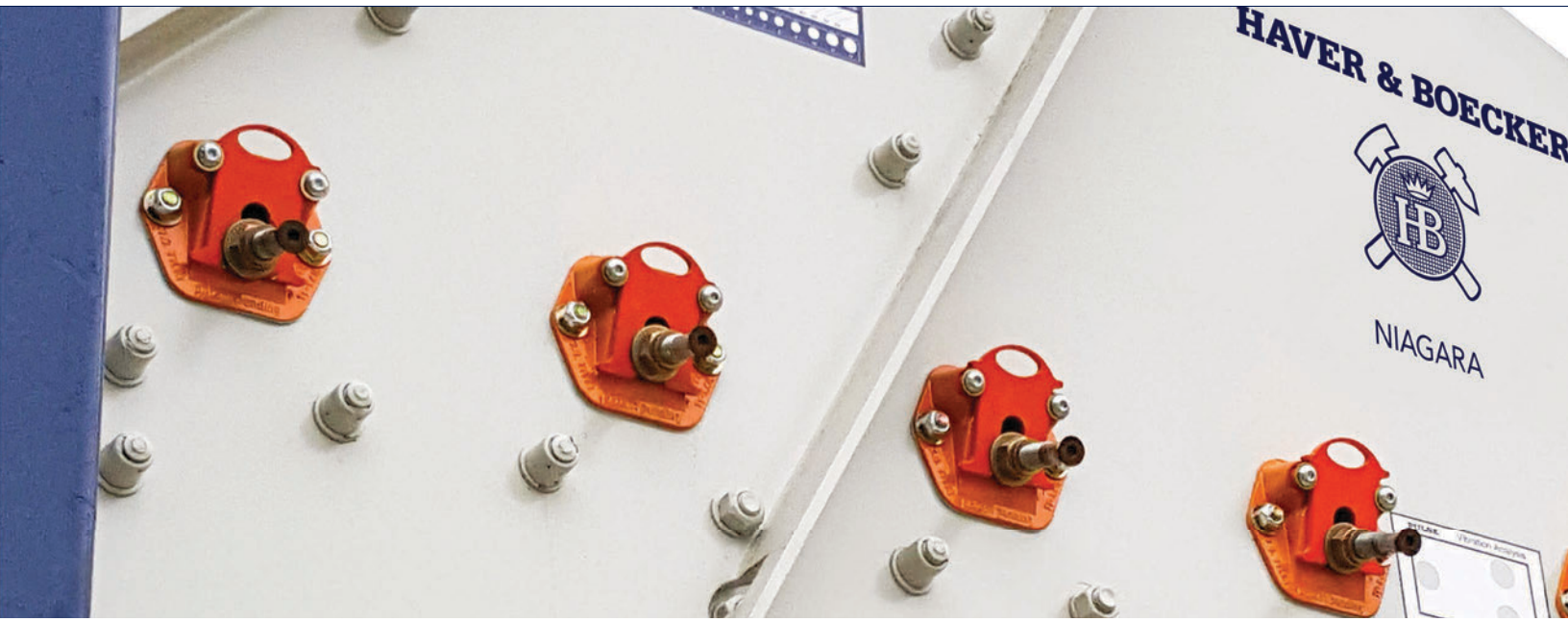
The XL-Class vibrating screen can be engineered with a flat deck for modular screen media panels, including pin & sleeve, snap-in, groove or bolt-down fastening systems; a cambered deck for side-tensioned screen media with a single or double crown; or end-tensioned screen media. Proper screen media selection virtually eliminates blinding and pegging.

	MODULAR FOR FLAT-DECK	SIDE-TENSIONED FOR CAMBERED DECK	END-TENSIONED
POLYURETHANE	•	•	
HYBRID	•	•	
PERFORATED PLATE	•	•	
RUBBER	•	•	
WOVEN WIRE	•	•	•
SELF-CLEANING	•	•	•

Blending screen media on a single deck helps increase production and extend periods between screen change-outs. Here we've blended two panels of Ty-Max polyurethane on the feed end, with Ty-Wire hybrid screen media on the remaining sections to maximize wear life and open area.

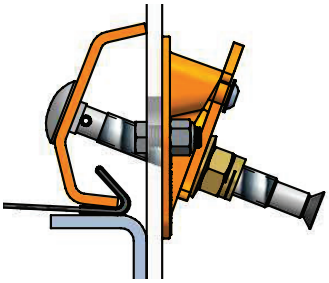


XL-CLASS ACCESSORIES



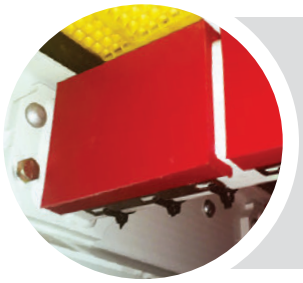
TY-RAIL™

Every side-tensioned deck on an XL-Class machine is engineered with Ty-Rail. The patented quick-tensioning system cuts screen change-out time in half, drastically reducing costly downtime, and improving productivity and profit, for a fast return on investment.



UPGRADE OPTIONS

- **POLYURETHANE LINERS**
  Polyurethane feed box, side-plate, discharge lip and bar rail liners extend the wear life of your XL-Class and screen media.
- **SPRAY SYSTEM**
  Effectively wash or rinse dirty or contaminated materials during the screening process.
- **DUST SEAL**
  Reduce dust emissions on vibrating screens.
- **BALL TRAYS**
  Minimize blinding and pegging, and ensure sharper cuts; best for classification of fine and agglomerated material; available for wire cloth screen media applications only.
- **FINES HOPPER**
  Fits beneath the vibrating screen to collect under-size material.



ZIP GUARD
Installing Zip Guard liners on the cross beams of your XL-Class machine will reduce wear, extending the life of your machine and minimizing maintenance time.

PULSE VIBRATION ANALYSIS SERVICE

Enhance screening operations with Pulse, Haver & Boecker Niagara's innovation in vibration analysis technology. Pulse is designed for analyzing the health of all vibrating screen brands. It detects irregularities that could translate into diminished performance, decreased efficiency, increased operating costs and imminent breakdowns. We use Pulse to understand an operation's screening challenges, then work with our customers to optimize the screening operation.

- Detailed reports contain OEM recommendations for maximizing screening efficiency and minimizing unscheduled downtime.
- Onsite training gives maintenance departments the skills and confidence necessary to maintain a productive operation.

> *Customers are always looking for ways to maximize production and minimize downtime. To instill confidence in our equipment's performance with our customers, we offer ongoing support and programs, like Pulse Vibration Analysis and our Uptime 3-year warranty.*
>
> – Karen Thompson, Haver & Boecker Niagara

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