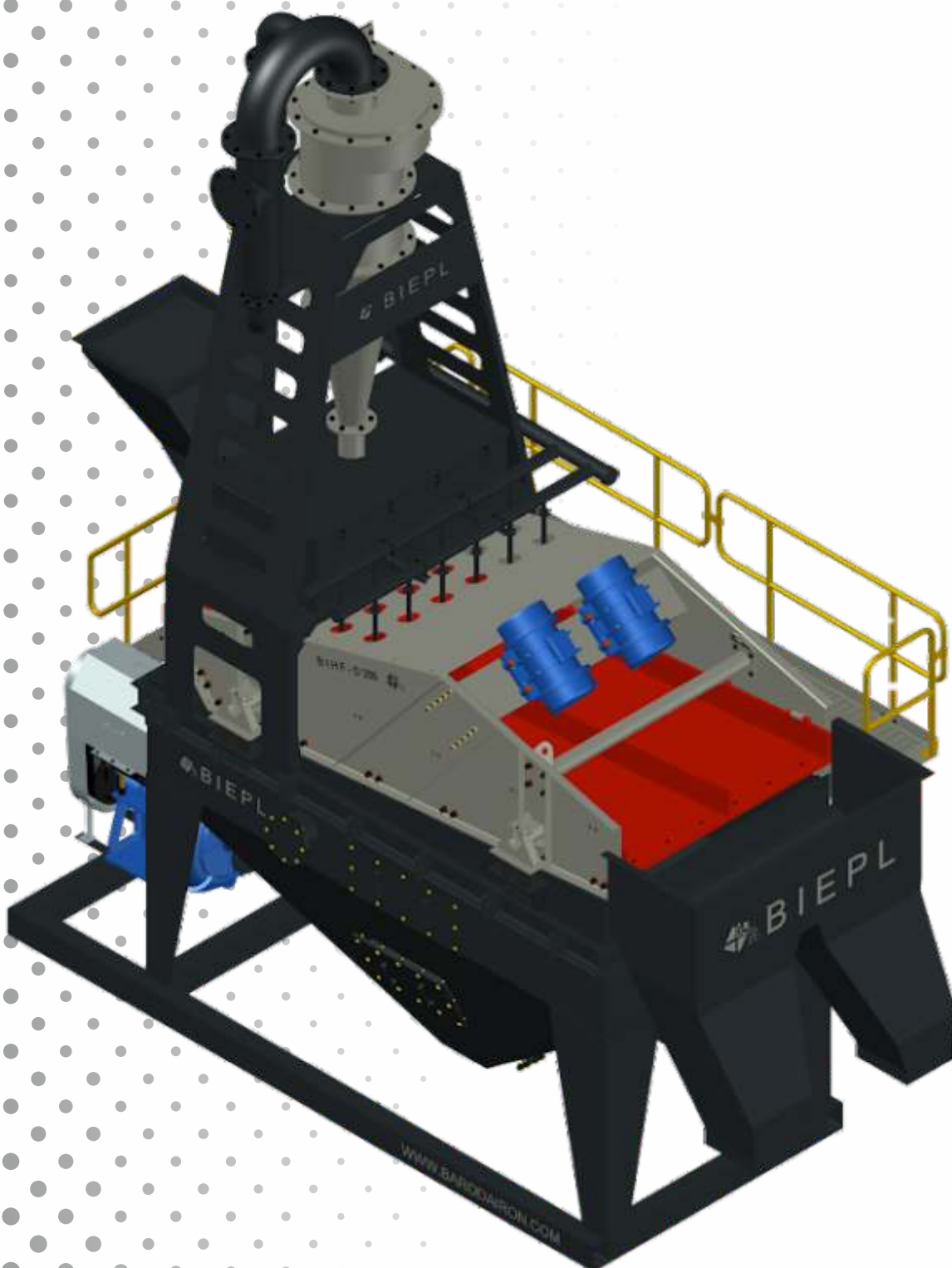


BARODA IRON & ENGINEERING Co. Pvt. Ltd.



HYDROFINE
Advanced Fines Recovery
& Water Management
Solutions



WHY BARODA IRON

INTRODUCTION

Reclaim. Recycle. Redefine. At Baroda Iron, we believe in smarter water management and superior sand recovery. Our HYDROFINE systems are designed to meet the toughest demands of the mining, sand, and aggregate industries—delivering high recovery, cleaner output, and energy-efficient operations.



ABOUT APPLICATIONS:

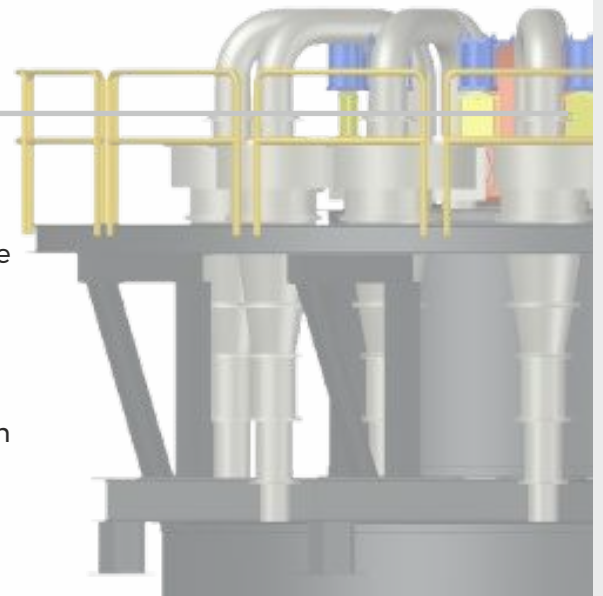
- Manufactured Sand (M-Sand) & Plaster Sand (P-Sand).
- Ore Classification.
- Washed Sand Dewatering.
- Mineral Fines Recovery.
- Sludge & Clay Removal.
- Industrial Effluent Handling.

HYDROFINE HYDROCYCLONE SYSTEMS

HYDROFINE – Engineered for Precision Classification Baroda Iron HYDROFINE hydrocyclones ensure precise separation of ultrafine particles using centrifugal forces—maximizing fines recovery while eliminating impurities.

DESIGN HIGHLIGHTS

- Polyurethane/Rubber-lined components for abrasion resistance
- Compact skid-mounted system for easy integration
- High discharge height eliminates secondary pumping needs
- Custom-designed vortex finders and apex nozzles
- Anti-turbulence inlet feed box with energy-efficient flow design



TECHNICAL SPECIFICATIONS:

MODEL	CYCLONE SIZE (MM)	SLURRY PUMP SIZE (MM)	CAPACITY (TPH)	SLURRY FLOW (M3/HR)	POWER (KW / HP)	WEIGHT (TON)
BIHF-75	250 X 2	101 X 76	50 - 80	110	22 (15)	8
BIHF-100	400	152 X 101	60 - 120	130	15 (20)	8.4
BIHF -150	400	203 X 152	90 - 120	222	30 (40)	8.8
BIHF -200	500	203 X 152	120 - 160	278	37 (50)	11.8
BIHF -250	500	203 X 152	150 - 250	370	45 (60)	14.0

ADVANTAGES & CONTACT

Why Choose HYDROFINE by Baroda Iron?

- Eliminates fines loss in wash water
- High ROI through water recovery & reuse
- Reduces maintenance with abrasion-resistant components
- Compact design fits existing plants
- Plug & play modular skirts
- Energy-efficient operation lowers running cost

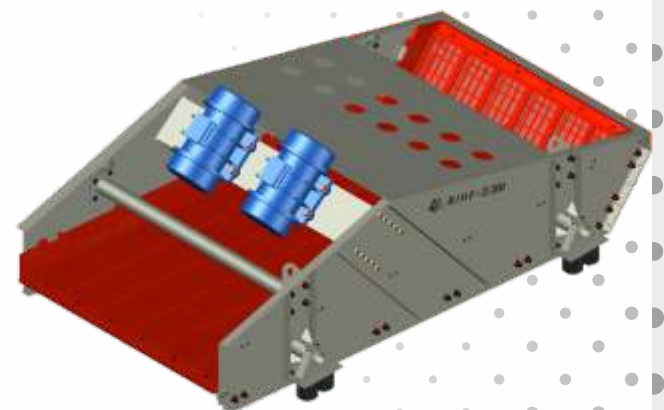


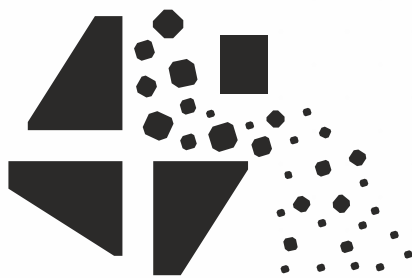
SPECIFICATIONS:

MODEL	SCREEN SIZE (MM)	CAPACITY (TPH)	MOTOR POWER (KW/HP)	OPERATING ANGLE	WEIGHT (TON)
BIHF-D 75	1500 X 3000	40 - 60	2 X 2.9 (2 X 4)	0° TO 5°	2
BIHF-D 100	1800 X 2800	60 - 90	2 X 2.9 (2 X 4)	0° TO 5°	2.5
BIHF-D 150	1800 X 3000	90 - 120	2 X 3.7 (2 X 5)	0° TO 5°	2.8
BIHF-D 200	1800 X 4000	120 - 160	2 X 5.6 (2 X 7.5)	0° TO 5°	3.8
BIHF-D 250	2400 X 4000	150 - 250	2 X 11 (2 X 15)	0° TO 5°	4.9

KEY FEATURES

- High G-force design: Enhanced dewatering performance.
- PU deck media for wear resistance and longevity.
- Low operational angle (0°-5°) for better water retention and drainage.
- Dual vibratory motors with energy optimization.
- Feed box with rubber/PU lining to absorb impact.





BARODA IRON & ENGINEERING Co. Pvt. Ltd.

Mfg. & Supplier of Crushing, Screening & Material Handling Equipment & Projects

CUSTOMIZATION OPTIONS:

- Skid-mounted or Civil-based installation
- Cyclone cone angle customization
- Alternative screen decks: PU / Rubber / Steel
- Dual Hydro cyclone Units for larger capacities
- Integration with filter press, thickener, or water tanks

Your Crushing & Screening Partner – From Concept to Commissioning

We are proud to offer complete turnkey solutions, backed by decades of engineering excellence and unmatched customer service.

Baroda Iron & Engineering Company Pvt. Ltd.

www.barodairon.com

info@barodairon.com

+91-87581 18890

ISO 9001:2015 Certified | Made in India