

3-AXIS

LINER HANDLER

★ **THE STALWART** ★

Elite maneuverability and tank-tough strength for SAG and Ball Mill relining, built to deliver McLellan reliability in a compact 3-axis platform.



SAG & BALL MILL

CAPACITY TBD

TANK-TOUGH & NIMBLE

30+ YEAR SERVICE LIFE

The finest mill reline equipment in the world— backed by **over 60 years** of experience.



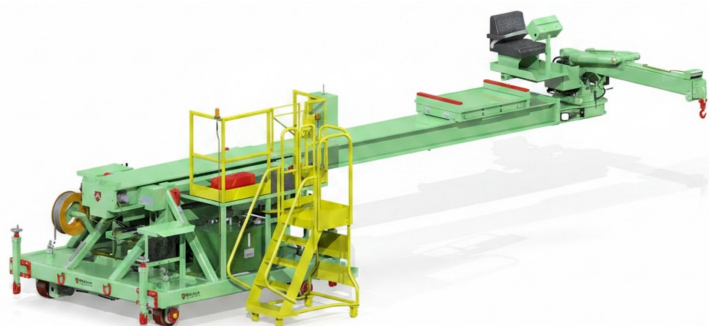
SERVING THE INDUSTRY SINCE 1966



AMERICAN-MADE
EXCELLENCE

3-AXIS LINER HANDLER

PRECISION RELINING FOR SAG & BALL MILLS.



Non-telescopic 3-axis beam, shown fully extended.

STANDARD

- Moves liners up to 18,000+ lbs
- (4) powered reversible steel wheels
- (4) lift eyes for crane pickup
- (4) corner hold downs
- (4) floor mounts
- (2) front hydraulic jacks
- HD main beam drive system
- Standard Non-Rotating Dolly Cart
- Dolly platform w/ e-stop
- Rollaway staircase to beam top
- HD slew drive at turret base
- 2-position operator seat
- 3-stage hydraulic crane
- Safety latched hook & lift ring
- Radio control system
- Belay cylinder & arms
- NEMA 4/4X control panel
- 30/40/50 HP electric motor
- Separate drive & crane modes
- (6) LED lights + light pole
- 100' MSHA trailing cable
- Hydraulic oil cooler/heater
- Beacon light w/ alarm
- Magnetic-base E-stops
- Variable displacement pump
- Counterbalance valves
- Chassis storage box
- Charge access ladder
- Start-up & training included
- Multi-language manual
- Standard tool box

MCLELLAN 7 MAJOR ASSEMBLIES

- 1 CHASSIS**
4x4 drive, powered wheels & hydraulic jacks.
- 2 MAIN BEAM**
HD drive, 3-axis, compact configuration.
- 3 CRANE**
Three-stage hydraulic, 360° rotation, 45° tilt.
- 4 DOLLY CART**
Standard non-rotating dolly cart moves liners along beam.
- 5 TURRET**
Operator platform & rollaway staircase for safety.
- 6 SWIVEL LOAD HOOK**
Safety-latched, for slinging & positioning liners.
- 7 ELECTRICAL & HYDRAULIC**
NEMA 4/4X controls, radio remote, hydraulic pump.

OPTIONAL

- Manipulator with clamp (upgrade to 7-axis)
- Rubber tires (vs. steel wheels)
- (2) Rear turnbuckles, 45°
- Telescopic main beam
- Pendant dolly cart controls
- CE / UL / CSA certification
- 380-690 VAC, 50/60 Hz
- Crane extension tube
- Plug & receptacle cable
- 60 or 100 gal reservoir
- Foreign language plates
- Corrosion-protective cover
- Hydraulic vertical-lift chassis (varied mill heights)
- Rail-wheeled chassis (existing feed chute rails)
- Wide-deck horizontal beam w/ walkway
- Hydraulic dolly dumping system
- Powered liner roller conveyor
- Safety steel canopy, operator seat
- Dual beam extend/retract controls
- Liner fixtures (clamp-to-liner interface)

THE MCLELLAN ADVANTAGE

- Standard non-rotating dolly cart moves liners along the beam.
- Turret operator platforms & rollaway staircase keep techs safe at height.
- Radio remote puts every function in the operator's hands, at a safe distance.



3-axis crane, telescopic beam, front view.



3-axis telescopic SAG mill liner handler, side profile

COMPLETE DESIGN, FABRICATION, & FIELD SERVICE SUPPORT

ENGINEERING AND R&D SPECIALISTS AVAILABLE

Manufactures & dealers of:

Mill liner handlers · Water trucks · Fuel trucks · Fuel/lube combination trucks · Mechanics trucks

Systems & supplies:

Custom hydraulic & electrical systems · Radio remote control systems · Complete line of cranes & manipulators · Custom chassis & beam configurations

Parts & equipment:

Replacement clamps & manipulators · Hydraulic cylinders & pumps · New and used mill reline equipment · Complete line of mining support equipment

Corporate Office - Sales

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Manufacturing Facility - Sales

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