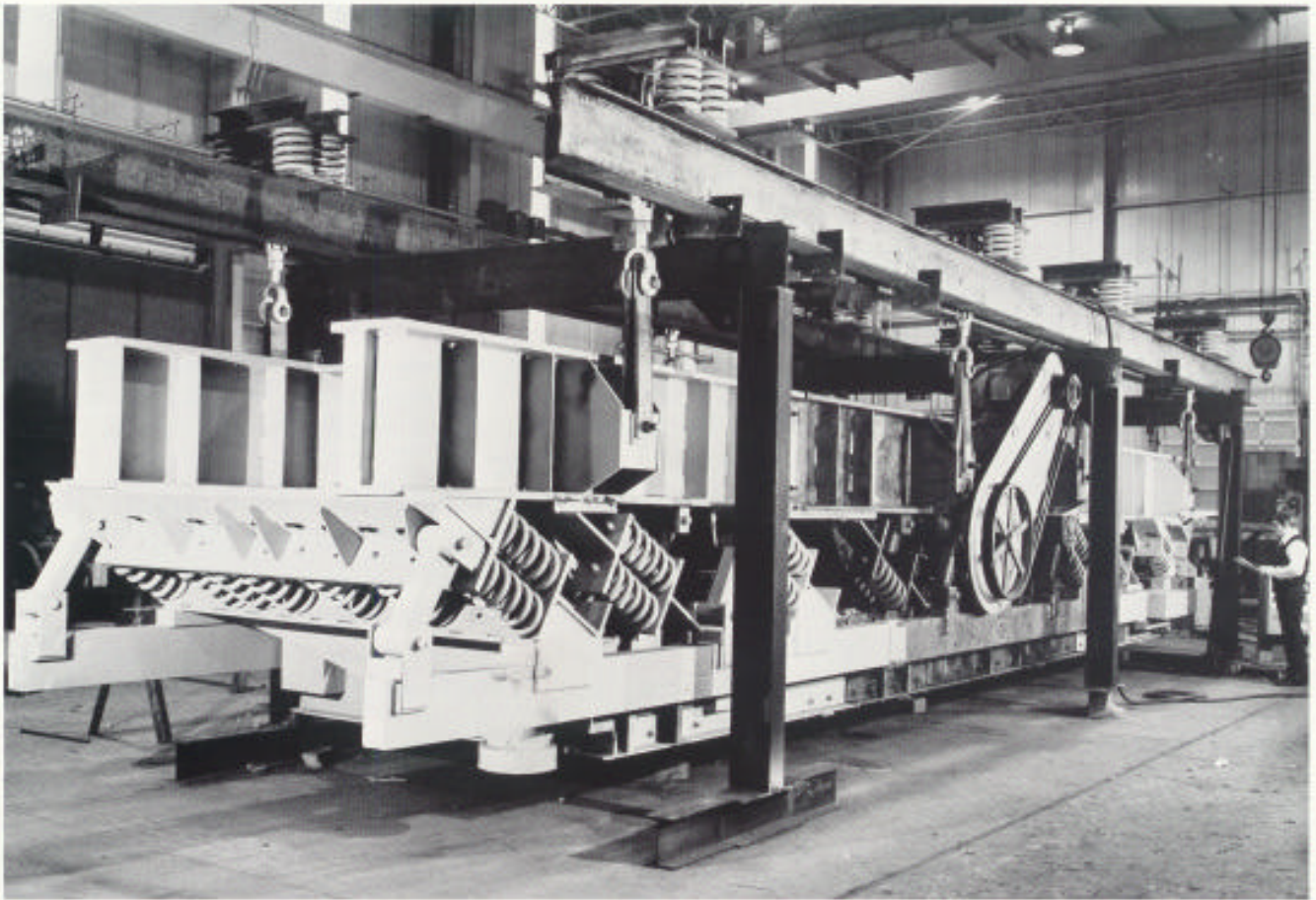


5-TRACK BALANCED — ISOLATED COIL SPRING CONVEYOR



Carrier

Vibrating Equipment, Inc.

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5 TRACK ISOLATED-BALANCED HEAVY-DUTY CARRIER CONVEYOR

MODEL NO.: I B H R 72180S-3/8" (1020) 1/4" (AR 240 BHN) 36' C - 50 HP

APPLICATION: Equal distribution of 125 TPH 3/4" rock salt to each of four of the five lanes of each vibrating conveyor in a salt mine.

Distribution of 500 TPH in any combination of three lanes. Provide for capability of 600 TPH distribution equally thru five lanes in the future and option of diverting the full 600 TPH over any combination of four lanes.

Conveyors receive rock salt from a vertical chute, turn it in direction of conveyor and split it into vertical dividers at the required rate without plugging. Two conveyors distribute material to screens and are designed to minimize dynamic reactions and control the dust that is created in the process.

DESCRIPTION: Two carrier heavy-duty vibrating conveyors, furnished for this application after customer witnessed performance tests in our Lab, are complete with IASI 506 chrome manganese steel coil springs with heavy duty rocker arm stabilizers, rubber compression drives, sheaves, V-belts and OSHA guards. Details include: steel kicker plate at charge end, special feed and discharge spouts, partitions to divide equal channels of flow, diverters and gates, inspection windows and dust tight covers.

Conveyor troughs are 36' long, 18" high straight sides and 6' wide, fabricated of 3/8" (1020) mild steel and 1/4" AR replaceable liner.

Conveyors, suspended from customer's structure are dynamically balanced and isolated to minimize dynamic reactions. Isolation springs with cables and turnbuckles are furnished.

Carrier's unique rubber compression drive is designed for start-stop operation under full product load.

**CONSTRUCTION
REQUIREMENT:**

Tests of the fully assembled units were viewed by the purchaser, then conveyors were divided into three sections because of hoist weight limitations in lowering the conveyors 1200 feet underground to the mine.