

FOR THE DIE CAST INDUSTRY **WARDCRAFT** METAL BELT CONVEYORS

AVAILABLE MOTOR MOUNTS; SEE PG. 14

**WARDCRAFT CONVEYOR offering
the first complete conveying package
to meet your needs . . .**



**Model HWM, Quench-Vayor
with tank**

HEAVY DUTY CONVEYOR SPEEDS DIE CASTING OPERATION

By transferring gates in sequence after the die casting operation, Wardcraft's specially-designed conveyor not only keeps the work area clear for continuous operation, but also allows the gates to maintain a more uniform temperature as they reach the trim die. This "traffic control" reduces the sticking of nested gates onto the trim die.

With a bed ruggedly built of structural iron and tubular cross members, and with belt speeds available from 1 to 70 fpm, the conveyor can be used with all casting extractors and robots, or with manually-operated casting machines. In manual operation, the conveyor eliminates the need for the machine operator to stack gates on slide tables or pallet boards.

WARDCRAFT'S "Die Casting" conveyor is offered in four portable variations: (1) with quench tank (available with cooling coils); (2) forced air blower cooled; (3) shower type with recirculating pump; and (4) dry belt horizontal (table type). Conveyors can be custom-built to suit any application.

Versatility beds are available in lengths from 4 to 30 feet, and in widths from 7 to 60 inches in 1-inch increments.

Although the standard height of the sides is 5½-inch, higher sides are available to suit the application.

Six (6) different motor mounts permit Quench-Vayor to fit into a variety of floor plans or work stations. Air motors and variable speed controls also are offered.

Positive Drive - Drive sprockets are 13 tooth heavy duty 1 × 1 cast iron and are set in 6-inch intervals for proper belt contact and alignment.

TOP QUALITY STANDARDS

Quench-Vayor units are equipped with 1 × 1 heavy duty galvanized wire mesh belts to carry and transport die castings. However, urethane, woven wire mesh, and other types of belts are available for specific applications. Safety guards conform with OSHA specifications, and the units have standard NEMA 56C face TEFC (totally enclosed fan cooled) reversible motors and 56C flanged reducers. To further simplify maintenance and reduce down time, Quench-Vayors are built with standard power transmission components, and standard ductile iron housing flange bearings — parts which can be obtained easily from local sources.

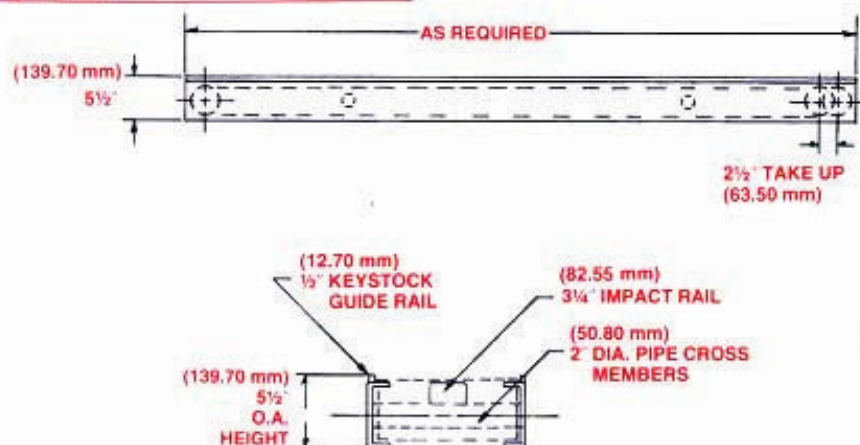
PRE-ASSEMBLED CONVENIENCE

Quench-Vayors are shipped as a pre-run, complete package - all aligned with motor mounted. No tools are required since there's nothing to assemble and no holes to drill. Wardcraft puts it all together for you . . . in more ways than one.

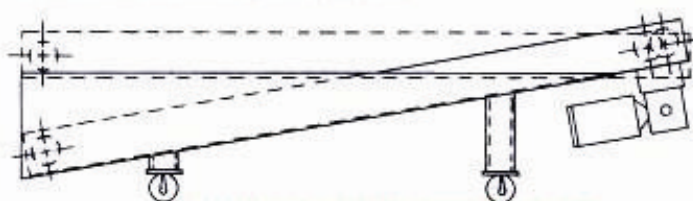
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SIDE VIEW OF WIRE MESH HORIZONTAL CONVEYOR

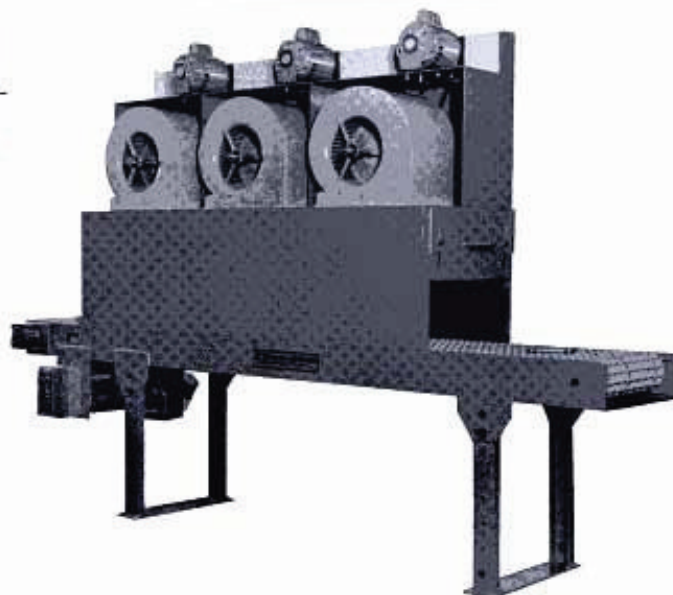


OPTIONAL HI-LO CONVEYOR POSITIONING



SHOWN WITH OPTIONAL CASTERS AND TANK

OPTIONAL AIR BLOWER SYSTEM



Model HWM, Horizontal Wire Mesh with (3) blowers & tunnel and shown with adjustable leg supports and SCR control switch

STANDARD SPECIFICATIONS

Bearings	Anti-friction ball bearings (Marine type in quench tank)
Bed	5-inch medium channel iron with 2-inch dia. tubular cross members
Bed Lengths	4 to 30 feet
Bed Side Height	5 1/2-inch overall
Belt	1 x 1 heavy duty wire mesh
Belt speed	15 fpm; (others available)
Belt widths	7 to 60 inches (1-inch increments). Widths larger or smaller. (Consult factory).
Motor & Reducer	115/220V, 60 Hz, single phase, or 230/460V, 60 Hz, 3 phase; NEMA 56C face TEFC motor reversible. (optional 550V). 56C flanged reducers.
Motor Mounts	A, B, C. (See pg. 14).
Sprockets	1 x 1 heavy duty, 13-tooth cast iron
Take up*	2 1/2-inch screw type (tail end)

*Take up assembly standard at drive end with tank.

OPTIONAL EQUIPMENT

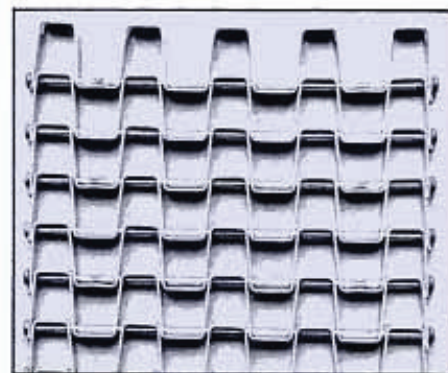
Supports	Tubular or stationary support (for bolting to floor), 6 models, total adjustment range 15 to 80-inches (See pg. 14)
Bed sides	Higher sides available (consult factory for specific heights).
Belt	1/2" x 1" heavy duty galvanized wire mesh, and stainless.
Casters	Available in 6-inch and 3-inch diameter, (swivel or rigid) with locks and brakes. Steel or poly.
Cleats	10 gauge x 1-inch high spaced according to customer needs.
Motor mounts	E, F, H. (See pg. 14)
Electrical Controls	1 or 3 phase, off-on switch, forward-off-reverse switch and thermal overload protection.
Cord and Plug	1 or 3 phase - STO - 10' long.

Heavy Duty
Tail & Drive
Sprockets

18 tooth cast 6-inch diameter.

Quench Tank — 3/4-inch and 1/4-inch
Sealed Bottom — Water-tight 16 gauge pan
Variable Speed — SCR, Varidrive, or Air Motor.

Trough Bottom — 1 1/2-inch form 10 ga.



Wire Mesh Belt - 1" x 1" heavy-duty.

WARDCRAFT CONVEYOR Offering a complete conveying package to meet your needs. Also see steel hinge belt conveyors for drop-through systems & scrap handling.