



MONOFLO

*rotating
cable
conveyor*



Compact Monoflo, installed between two assembly lines, returns jigs to the beginning of the line.



A complete Monoflo system speeds the flow of finished garments in warehouse. This warehouse won American Material Handling Society Award.

NO RETURN LOOP . . .

The conventional return loop adds nothing, except cost, to the usefulness of a conveyor installation. Monoflo is a one-way conveyor. It has no idle return loop to take space and add cost.

LOWER COST . . .

Monoflo is the lowest cost power conveyor on the market. With no idle return loop, you pay less per foot of distance moved for a Monoflo than for any other conveyor. Simple installation saves money too!

VERSATILE . . .

The uses for Monoflo are limited only by your own imagination. Up, down, and around—Monoflo follows any path. Coupled with automatic discharge, accumulation and transfer to another conveyor, this makes Monoflo exceptionally versatile. Items can be put on without waiting for an empty carrier. Simply hook over the rail—and the part moves away immediately.

STANDARD COMPONENTS IN STOCK . . .

Assembled from standard components (in stock for fast delivery), it's easy to put together the Monoflo Conveyor which will meet your requirements. Standard components help lower costs, too!

SIMPLE, FAST INSTALLATION . . .

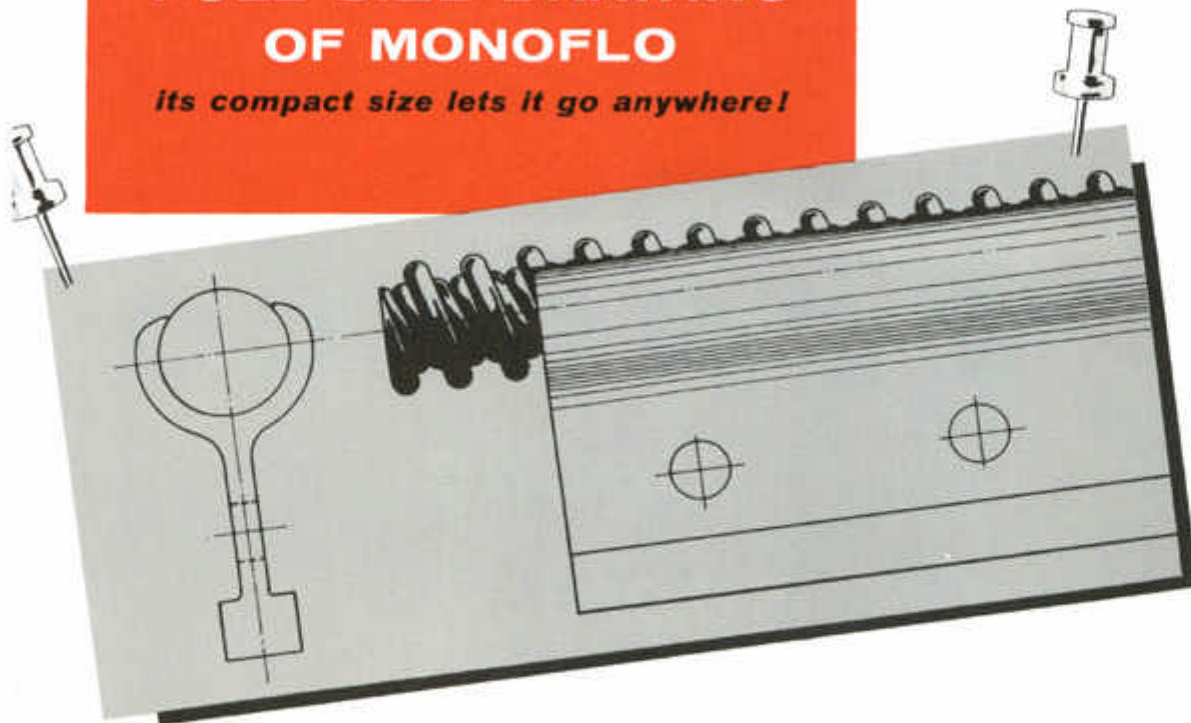
All Monoflo components are pre-cut, pre-drilled, and pre-formed for rapid bolt-type assembly. Two men, without special skills, can complete the average installation in less than a day. And, only simple tools are required.

KORNILAK CORPORATION

400 HEATON STREET, HAMILTON, OHIO

FULL SIZE DRAWING OF MONOFLO

its compact size lets it go anywhere!



WHAT IS MONOFLO?

Monoflo is a simple, inexpensive conveyor for transporting light loads. Basically, it consists of a flexible, light-weight cable with hardened steel screw threads which rotates in a metal rail. The screw threads project above the rail engaging the metal hangers from which items weighing as much as 25 lbs. may be suspended. As the cable rotates, the hooks are moved at speeds up to 12 feet a minute. A compact drive unit at the input end of the conveyor rotates the cable.

The component parts consist of the flexible cable, rail sections, and assembly and installation fittings. By choos-

ing the proper components, you can quickly assemble a unit which will meet your particular needs. Monoflo's flexibility permits application for straight, curved and inclined (up or down) use. You can even "snake" Monoflo into areas impossible to reach with other conveyors. Floor-to-floor and building-to-building installations have been successfully achieved. At the end of each conveyor run, the load may be transferred to another conveyor, or to a stationary storage rail, or dropped off into a container—whichever method best meets your needs.

MONOFLO IS LOW COST

By all methods of comparison, Monoflo is the lowest cost power conveyor on the market. In addition to the saving in equipment cost made possible by Monoflo's one-way feature, there are many other savings which you can pocket: less conveyor means lower installation cost . . . less valuable building space tied up . . . less planning to accommodate the conveyor . . . and, you are in production sooner. Automatic discharge or transfer eliminates

the manual labor usually required for these jobs resulting in additional savings.

Further savings are made possible by the use of standard components which are easily and quickly assembled. This is one conveyor for which you don't need outside installers. Your plant personnel will have no trouble with its erector-set type assembly.

WHERE CAN YOU USE MONOFLO?

Because of its many advantages and low cost, Monoflo permits power conveying in many applications where it would otherwise be considered uneconomical and thus, impractical. Close study of your operation will undoubtedly reveal places where your work can be speeded and costs cut by installation of a Monoflo conveyor.

Monoflo can be suspended from ceiling or walls, or attached to work benches or floor stands. Standard fittings for all types of installations and building conditions are available (see the following pages). A few of the hundreds of uses for Monoflo are:

1. Moving parts along on assembly line.
2. Returning empty jigs to assembly line start.
3. Feeding parts from stock to assembly line.
4. Moving parts through infra-red ovens, cooling, cleaning, and etching tanks.
5. Simplified warehousing of apparel items.
6. Moving garments in manufacturing, dry cleaning and laundering.

THE COMPONENT PARTS OF MONOFLO

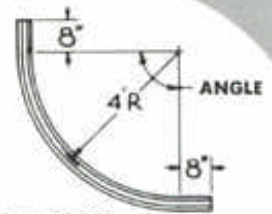
MR101 RAIL

shown full size on the facing page, is the straight rail section, and is available in 10 foot lengths, or cut to size as required.

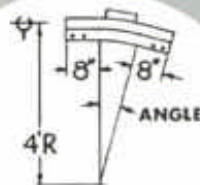
DRIVE

See page 4 for specifications and details.

RAIL FOR HORIZONTAL CURVE

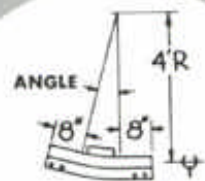


Part	Angle	Rail Length (inches)
MH130	30°	41.2
MH145	45°	53.7
MH160	60°	66.3
MH190	90°	91.4



RAIL FOR TOP VERTICAL CURVE

Part	Angle	Rail Length (inches)
MV-215	15°	28.4
MV-230	30°	40.7



RAIL FOR BOTTOM VERTICAL CURVE

Part	Angle	Rail Length (inches)
MV-315	15°	28.7
MV-330	30°	41.4

SPEEDBAR SUPPORT

See page 5 for additional details. One required for every 5' of rail.

2-HOLE SPACER MC102

One required with every Hanger Bracket (MB-101).

HANGER BRACKET MB101

One required for every 5' of rail, at the center of all curves 50° and over, and at every joint.

4-HOLE RAIL CONNECTOR MC101

One required at every joint.

MONOFLO SPECIFICATIONS

LOADING — 25 lb. max. unit load, with a total distributed load of up to 75 lbs. per 5' of length.

SPEED — 0-12 ft./min.

BENDS — 4' Radius horizontal and vertical bends. Vertical inclines up to 30°.

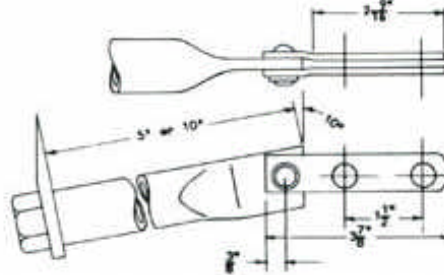
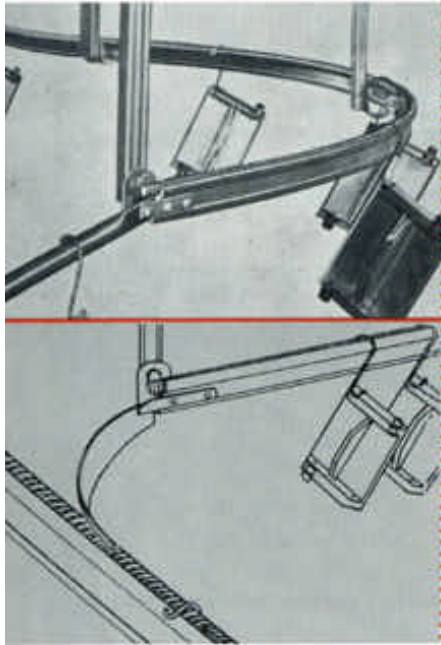
DRIVE — ½ H. P. 1725 RPM motor, belt and pulley transmission to drive coupling mounted in grease sealed ball bearing pillow blocks. Mounted on welded steel platform for easy installation.

LAYOUT — Maximum lengths—200' straight, 175' with 90° of horizontal bend, 150' with 180° of horizontal bend. Over 180° horizontal bend, split system and use second drive. Temperature limitation—300°F maximum. Supports on 5' centers.

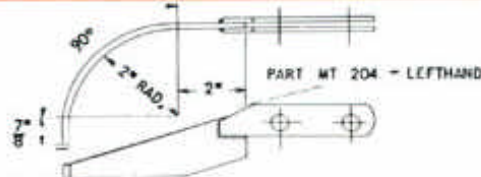
additional components and installation fittings are shown on the following pages

MONOFLO TRANSFER ATTACHMENTS

The photograph shows how transfer to a slide rail may be easily accomplished at the end of the conveyor run. Either straight or curved transfer tips may be substituted for transfer to another conveyor or for dropping items into a container. The proper attachment will depend on your own needs and the layout of your conveyor.



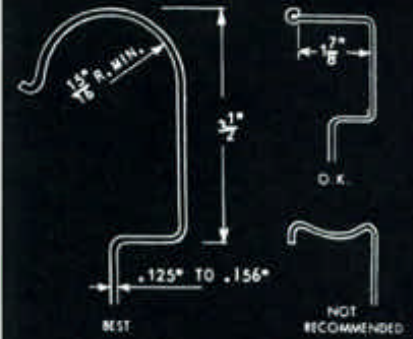
STORAGE RAIL—MR 401—5' AND MR 402—10'



TRANSFER TIP—May be used for transfer to another conveyor or bar positioned directly below. These transfer tips are available in straight or curved styles. Curves may go either left or right; specify with L or R after part number.

PART	MT101	MT201	MT202	MT203	MT204
ANGLE	STRAIGHT	30°	45°	60°	90°

MONOFLO HOOKS



The round hook with safety tip (to prevent catching in the rail) has been found most satisfactory, but the "squared" hook with safety tip will also do the job.

MONOFLO LUBRICATOR



MO-104

Monoflo lubrication is virtually automatic. Simply place the lubricator on the conveyor and it travels from one end to the other, applying the right amount of lubricant. Two styles of lubricant can be furnished. Oil for industrial uses and dry lubricant for garment application. MO-105 aerosol lubricant available for direct spray application.

MONOFLO DRIVES AND DRIVE SUPPORTS

All standard Monoflo drives are mounted on a welded steel platform for easy installation. The drives are available in the various speed requirements listed.

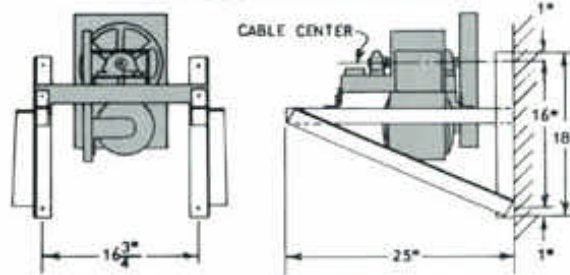
MODEL	VOLT	SPEED	MOTOR MOUNTS
MD-105-1	115/230	12 FPM	BELOW CABLE
MD-105-3	230/460	12 FPM	BELOW CABLE
MD-109-1	115/230	12 FPM	ABOVE CABLE
MD-109-3	230/460	12 FPM	ABOVE CABLE
MD-124-1	115/230	0-12 FPM	ABOVE CABLE
MD-125-1	115/230	0-12 FPM	BELOW CABLE

When ordering, specify model number, mounting arrangement, voltage and phase of power supply, and dimension "D."

All support bolts are 1/2" diameter. Bolts or lag screws for mounting to building are not furnished. Supports are shipped disassembled for compact shipment.

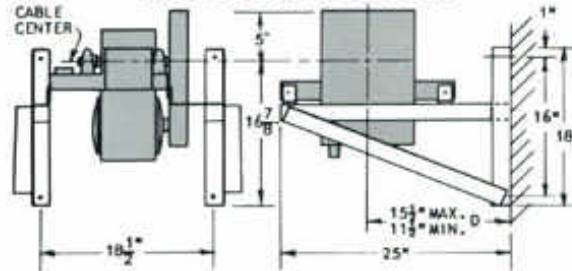
For drives with other speeds, up to 12 FPM, contact factory for pricing.

MD-501 DRIVE SUPPORT



POSITION 1 WITH CABLE PERPENDICULAR TO THE WALL.

MD-502 DRIVE SUPPORT



POSITION 2 WITH CABLE RUNNING PARALLEL TO WALL.

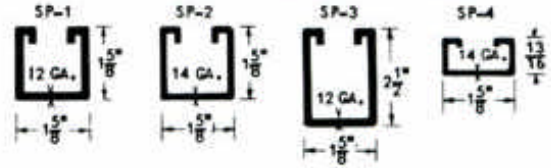
WALL MOUNTS FOR DRIVES MD-109, MD-105, MD-124 & MD-1

SPEEDBAR INSTALLATION FITTINGS

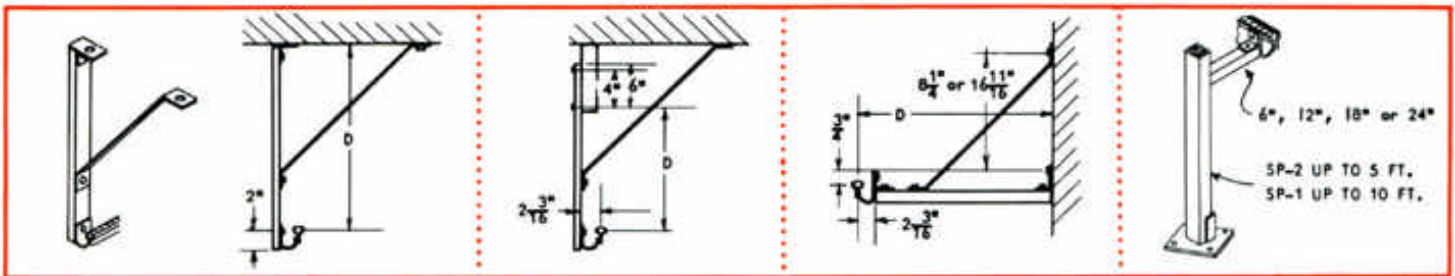
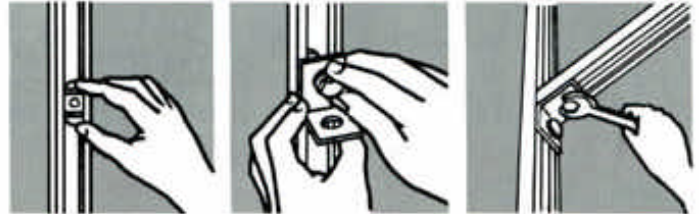
The Speedbar rapid assembly structural system is ideal for installing MonoFlo conveyors. Consisting of continuously slotted bars which permit infinitely adjustable bolting, Speedbar combines high strength with low weight. It is so easy to install that the labor and time savings over other systems can be tremendous. Its versatility simplifies changes during or after installation. And, the bright zinc coating requires no maintenance. However, MonoFlos have been installed using angle iron, round rods, pipe and even wood.

When ordering hangers and braces, specify the part number and give dimension "D". Supports are disassembled for compact shipment. Anchor bolts or lag screws to fasten to building are not furnished. Other types of hangers and braces will be fabricated to your specifications.

FOUR BASIC SPEEDBAR SIZES



SIMPLE 3-STEP ASSEMBLY

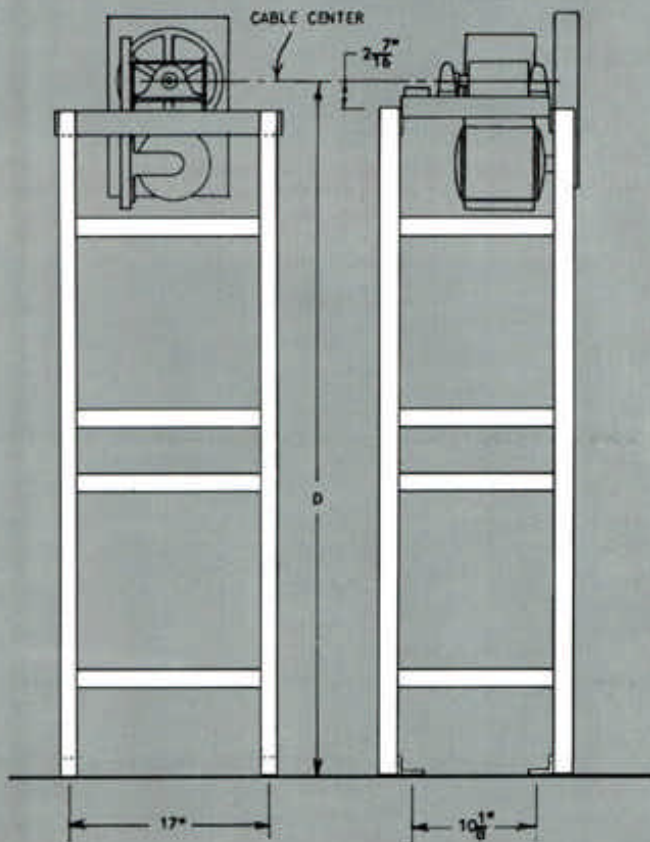


FOR CEILING INSTALLATION
MS 101X-A

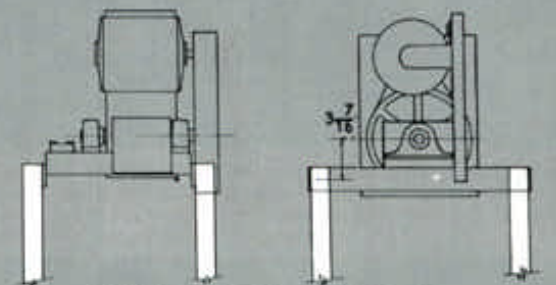
FOR SIDE MOUNTING
MS 201X

FOR WALL MOUNTING
MS 301X

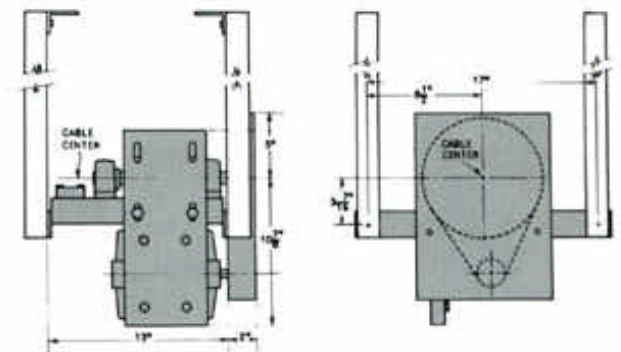
FLOOR STAND
MX-105



MS-503 FLOOR MOUNT FOR DRIVES
MD-109, MD-124, MD-105 & MD-125

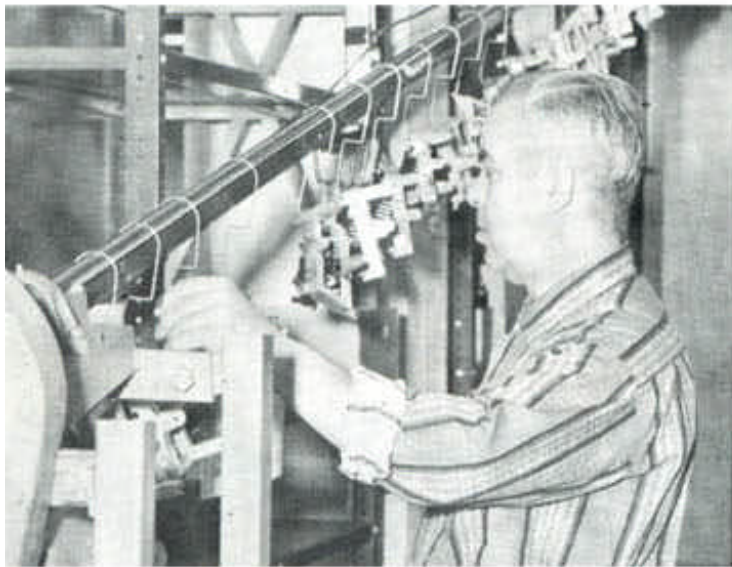


DRIVES MD-109 and MD-124,
with motor positioned above the cable



MS-509 CEILING MOUNT
FOR DRIVES MD-105 AND MD-525
DETAILS FOR OTHER DRIVES ON REQUEST

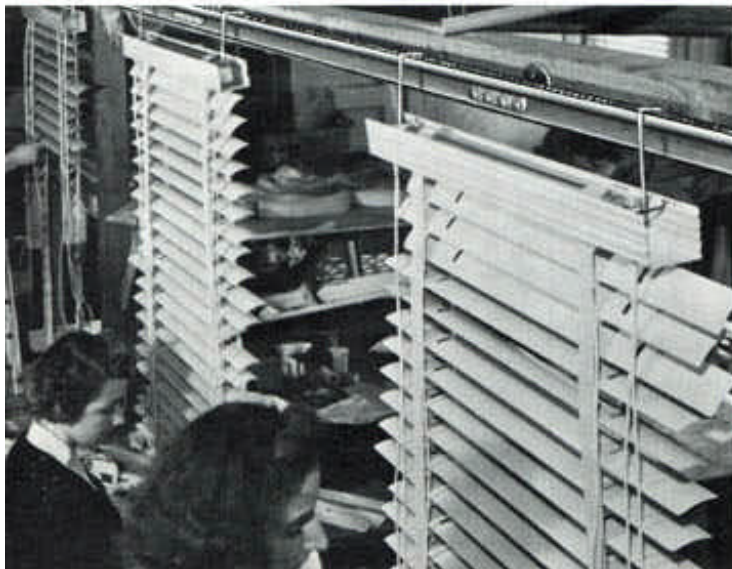
TYPICAL MONOFLO APPLICATIONS



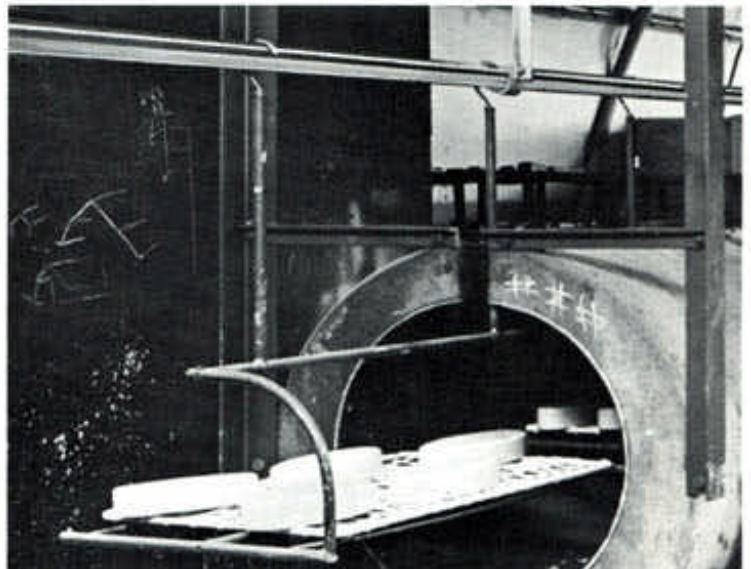
Stock man loads full day's parts requirements on Monoflo Conveyor in correct sequence for assembly line. This provides "poor man's automation" to a "job shop" operation.



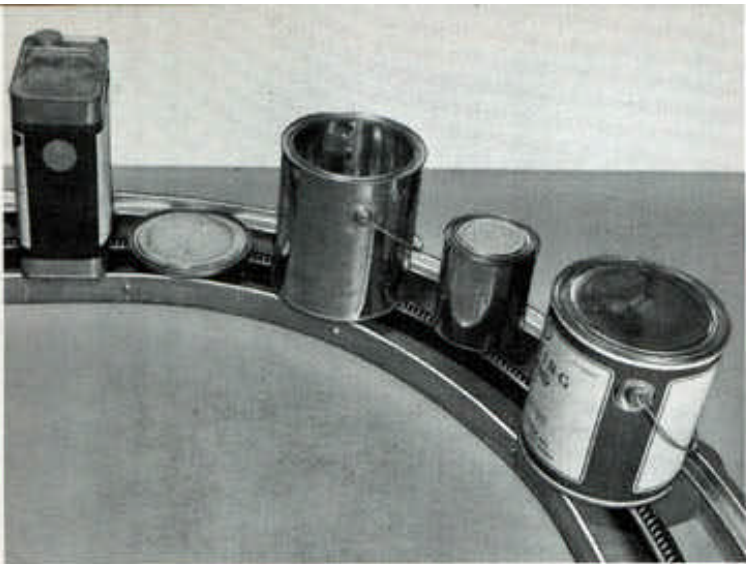
Monoflo Conveyor delivering garments from floor above to a slick rail. Automatic counter keeps record of the number of items transferred to the storage rail.



Venetian Blind assembly is mechanized by a low cost Monoflo line.



Painted covers from spray booths are conveyed through oven on a Monoflo conveyor.



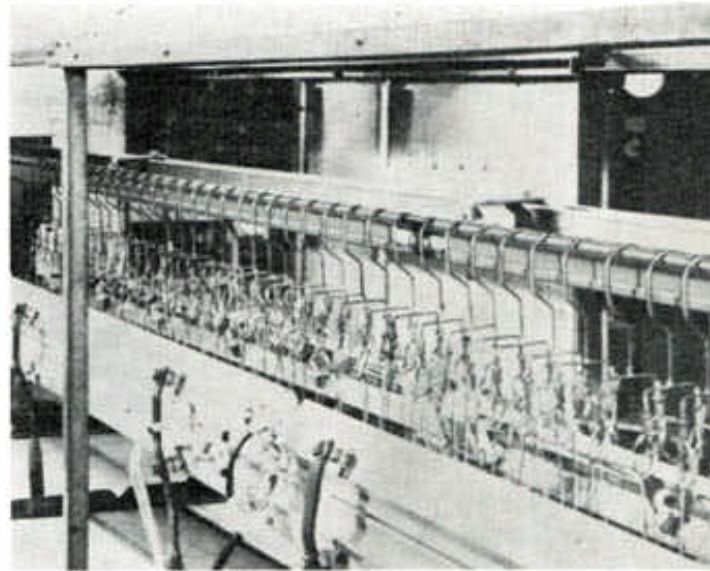
Cans, covers, baskets—anything with a rimmed bottom is easily conveyed at slow speed on a Monoflo Conveyor for inspection, heating, cooling, radiation and processing.



Monoflo permits movement of furniture and other items on pallets in any desired path. Loading, unloading, and stopping for operation can be done at any point.



Monoflo in background delivers parts to assembly station where switch automatically stops and starts conveyor as parts are removed. Finished parts are placed on Monoflo in foreground for delivery to next operation.



Economical heating of small motor parts is accomplished on slow speed Monoflo Conveyor which passes parts between radiant heaters. End of conveyor is equipped with automatic testing and rejection equipment.



TV picture tube holders are returned to loading end of oven on a Monoflo Conveyor.



Operators mark buttonholes and place garments on Monoflo Conveyor for delivery to floor below.



One-way Monoflo Conveyor returns "dollies," used for TV chassis assembly, to start off assembly line.



Monoflo brings easy handling within reach of all operators in a laundry.

these well known companies use

MONOFLO CONVEYORS

GARMENT HANDLING

Friedman-Marks Clothing
Lindell Laundry
M & J Skirt Co.
Mangel Stores
Louis Marcus Co.
Munger Linen
Notre Dame Hospital
Oak Cleaners
Overall Cleaners
Bobby Brooks
Shea Dry Cleaners
John Shillito Co.

United Cleaners & Shirt Laundry
Westminster Coat Co.
West Point Military Academy
Yorgeys Cleaners & Dyers

INDUSTRIAL

Bendix Aviation
C.B.S. Columbia
Corning Glass Works
Delco Appliance Co.
Dexter Lock Co.
Eastman Kodak Co.
Emerson Radio & Phonograph Co.
Fisher Body Division

General Motors Corporation
General Electric Co.
Hughes Aircraft
International Business Machines
Lansdale Tube
Master Etching Machine Co.
Philco Corp.
Sylvania Electric Products Inc.
Jefferson Travis Inc.
University of California
Western Electric Co.
Westinghouse Electric Co.
Whitco Venetian Blind Co.

Any company, large or small, will find Monoflo Conveyors a practical investment. If your operation requires moving light weight items, see how Monoflo conveyors can help speed your operation while lowering your costs. Simply send us a sketch indicating length, number and type of bends, speed at which it will be operated, load (weight and spacing), power supply, and any other pertinent data. We will determine the proper components for your Monoflo Conveyor. You'll be amazed at the low cost.



- ARMORBELT metal belt conveyor
- MONOFLO rotating cable conveyor
- PALLETFLO gravity flow and live storage
- TRANSWHEEL multi-directional wheel

- CARTONFLO live storage of cartons
- VERTIFLO compact vertical conveyor
- ZIPFLO tube supported belt conveyor
- MINI-WHEEL, SUPERWHEEL conveyor wheels

- STRAD-O-LIFT straddle trailer
- KARRY-ALL self loading truck
- SNAKE flexible power conveyor
- TKV severe duty bulk conveyor