

MARWEL

Conveyors

Belt Conveyors



1 CHUTES FEEDING BELT CONVEYOR

The Belt Conveyor is probably the most popular and widely used of all the various types of conveying equipment. So numerous are the various arrangements, this leaflet can only show a few typical examples.

Belt conveyors, provided that they are matched to the needs of each application, provide one of the simplest, most economical, and reliable means of transport. **MARWEL** conveyors comply fully with this requirement, whether it is a light duty for packages or a heavy duty, troughed, model for arduous foundry use.

Many design variations are possible on widths, speeds, flat bed or troughed, skid plate, skid plate with roller relief or all roller beds. Additions include side skirts, manual or automatic single or double sided ploughs, lane guides, belt cleaners, etc. **MARWEL** conveyors can be horizontal or inclined, possibly with gripface belts. They can convey up or control loads down an incline and can be a combination of part horizontal and part inclined. With extensive Gravity Roller Systems they are used at intermediate points to gain heights sufficient for the layout involved.

MARWEL belt conveyors can have pneumatic, hydraulic or electric controls. They can be fully mobile or pivotted at one end and can be manufactured from mild steel, stainless steel or aluminium.



2 MULTIPLE INCLINED BELT CONVEYORS

Typical Specifications

FRAMEWORK

Depending upon application these are either made from pressed steel for lighter duties or heavily constructed, part bolted and part welded fabrications in channels, angles, plates, etc., reinforced at all main bearing points, and incorporating adjustable motor base plates.

PULLEYS

Welded steel, accurately machined, crownfaced and mounted on machined shafts with shoulders to locate between the main bearings. Idler rollers include greased and sealed bearings.

BEARINGS

Of generous proportions these are greased and sealed for life. Head bearings locate between end screw adjusters and with ample screw tension adjustment for the tail bearings.

DRIVE

Power is supplied by a suitable oil-bath geared motor of ample capacity, coupled to the headshaft by a final roller chain drive, complete with sheet steel chain case or direct coupled by a flexible self aligning coupling with a sheet steel guard.

BELT

This is selected to meet the application involved and sometimes incorporate tracking belts. The belt may be joined with belt fasteners or vulcanised endless.

May we remind you that a **MARWEL** sales or design engineer is always available for free consultation at your premises on any problem or proposed installation.

Our ideas and innovations are frequently an improvement on the basic proposals and can make a considerable contribution to the final success of a project.



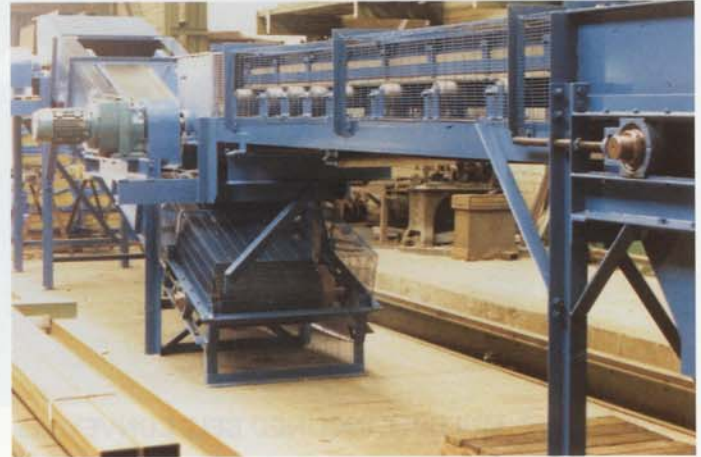
1. WASTE CONVEYORS



2. PACKAGE CONVEYORS



3. CARPET CONVEYORS



4. FOUNDRY CONVEYORS