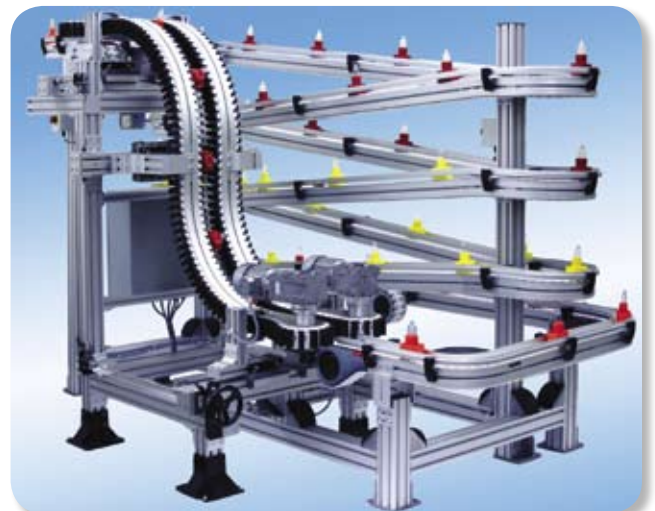


April-May 2006

Modular, Flexible Chain Conveyor Systems from EMI

Available in both aluminum frame or stainless steel frame versions, modular, multi-flexing chain conveyors provide you virtually unlimited layout and configuration possibilities. These conveyors are ideally suited to conveying plastic parts in robot take-away applications, parts cooling, product handling and flow, part assembly, and packaging systems.

The modular design makes it easy to economically expand and reconfigure your existing system as your manufacturing needs expand and change. As a result you can be more responsive to changing market demands. Easy assembly and maintenance reduce both your up-front investment as well as ongoing costs.



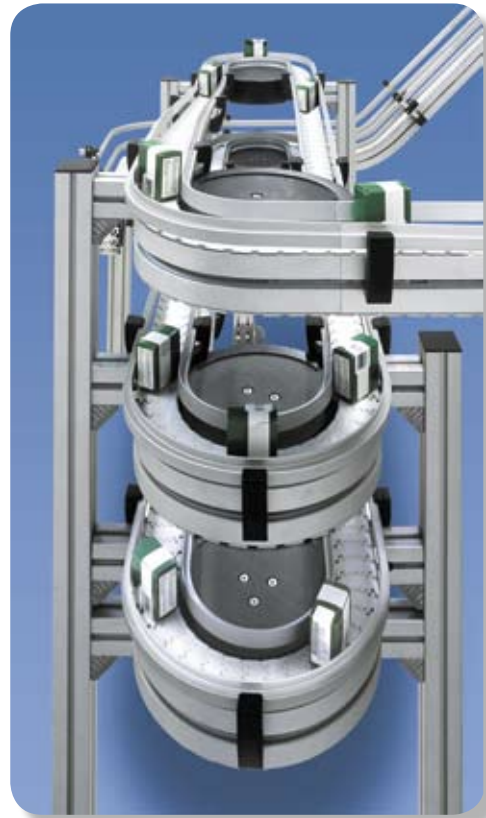
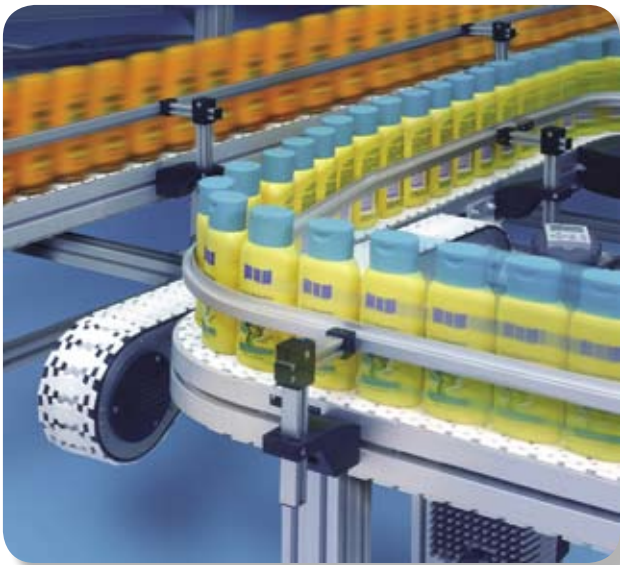
This unique systematic chain system uses common components throughout. An extensive range of components and accessories provides solutions for the most diverse transport tasks. Some general components include:

- **Transport Chain Belts** - High chain tensile forces and extremely stable chains allow for better system performance.

Transport chain belts are available in many different styles. They satisfy basic to the most diverse applications, ranging from horizontal applications to vertical and inline transports. Other chain belts available are used to reduce surface abrasion to products by reducing backpressure. Another type of chain belt is used to transport products that are electro-statically sensitive or need special fixturing during transport.

Belt Widths	Min. Bend Radius
65mm (2.5") - 150mm (5.9")	
80mm (3.1") - 250mm (9.8")	
90mm (3.5") - 150mm (5.9")	
100mm (3.9") - 250mm (9.8")	
160mm (6.3") - 500mm (19.7")	
240mm (9.4") - 500mm (19.7")	
320mm (12.5") - 500mm (19.7")	

- **Conveyor Profile and Slide Rails** - The conveyor profiles are constructed of extruded, anodized aluminum. Profile styles include single beam and half section profile. Both are robust and have a center bore with stiffeners for added strength and durability. The Half Section profile is mainly used in applications requiring an open profile design for pass-through of sediments and for easy cleaning.



Space-efficient curve wheels provide smooth operation through curves.

- **Slide Rails** - attach to the open interior flanges of the profile and serves as a track for the chain. Choose from 4 different types of rails, depending on your application. Slide Rails are available for all types of environments.

- **Drive Systems** - All drive modules are offered with left- and right-hand mounting options to maximize flexibility in layout and application. All drive and return modules feature stainless steel construction.

- **Curves** - are available in either horizontal or vertical configurations, allowing the flow of product to be easily redirected to other areas of plant and secondary equipment for further processing.

- **Guide Systems** - Guide rails are used to provide lateral support to the product being conveyed and to maintain the product's center of gravity on the chain media.

- **Leg Sets** - are constructed of rugged extruded aluminum profile. The T-slot design provides a convenient and adjustable mounting location for accessory components.

Improve Productivity, Increase Flexibility and Reduce Costs

• **Pallet Transport System** - features Adaptive Modularity™ for extreme planning confidence, application flexibility, and fast, easy reconfiguration to meet changing production needs – with minimal re-investment and engineering effort. Pallet Transport System combines an array of perfectly matched parts with a modular architecture to move work pieces up to 8kg (18 pounds) at speeds of 18 m/min (60 ft/min). Extruded aluminum pallets are easily customized to any length from 80mm to 500mm – the longest customizable length available in the industry.

EMI can help improve productivity, provide flexibility and reduce costs with the modular chain conveyor system. Contact our engineering department today to learn more about packaging, product and material transport flexibility.

EMI® 800-543-6169
EMIcompanies.com



A product's center of gravity, its inherent stability and its contours determine whether it is suited for transport on a chain conveyor system.

The size of the chain conveyor system is selected according to the conveyed products' dimensions and weight. The maximum product width depends on its shape and position of its center of gravity.



EMI Adds More Manifold Sizes and Configurations

EMI is now manufacturing new manifold sizes and configurations, and will be carrying the full line in stock.

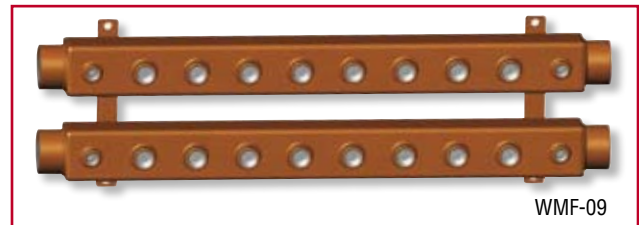
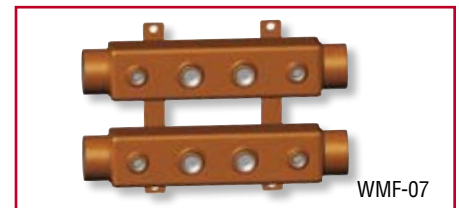
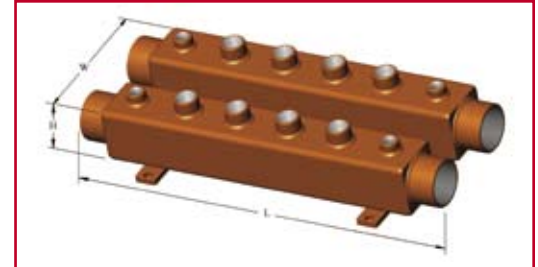
Larger diameter end ports provide greater water flow.

Generous 1½" end ports are larger than those on most manifolds, which help decrease cycle times by providing more efficient water distribution.

Accessory ports allow mounting of pressure and temperature gauges.

For those who wish to visually monitor water pressure or temperature, each manifold includes two ¼" NPT accessory ports in each body segment. These ports allow you to mount accessory pressure or temperature gauges without reducing the manifold's port capacity.

Manifolds are constructed of heavy gauge steel with threaded couplings welded in place. Each manifold is tested to 120 psi (water or coolant only). Pre-drilled mounting brackets are included for easy mounting to your mold platens or temperature controller. Manifolds can be modified to meet specific application requirements.



Part #	Tube Style	NPT main ports (½")	NPT accessory ports (¼")	Bolt hole span width	Bolt hole span length	W	L	H	Price
WMF-01	Single	2	2	3¼"	5½"	2½"	12½"	2½"	\$ 61
WMF-02	Single	4	2	3¼"	10½"	2½"	17½"	2½"	\$ 77
WMF-03	Single	8	2	3¼"	20½"	2½"	27½"	2½"	\$109
WMF-07	Double	4	4	7½"	5½"	6⅝"	12½"	2½"	\$111
WMF-08	Double	8	4	7½"	10½"	6⅝"	17½"	2½"	\$142
WMF-09	Double	16	4	7½"	20½"	6⅝"	27½"	2½"	\$206



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Mounting hole size: ⅜" bolt. End ports NPT: 1½".

Fax this page to us: 216-535-4823

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