

MULTI-CONVEYOR • MERGING • OPERATIONS



When You Need To Merge Two or More Conveyor Lines

The Most Reliable—Belt Merge Conveyors From Portec!

Portec Flomaster Belt Merge Conveyors facilitate the merging of two or more conveyor lines into a single product transport line and provide a solution to belt tracking problems found whenever a short wide belt conveyor is utilized. Manufactured by the world's most reliable producer of specialty conveyor equipment, Belt Merge Conveyors eliminate side load tracking problems encountered on regular belt conveyors. These units are specially designed for manufacturing, warehouse/distribution center and airline baggage applications. An optional series of fixed position bed idler rollers allows for the safe, smooth transition of extra-heavy product loads.

For more information, contact:

HEADQUARTERS & FACTORY:

PORTEC FLOMASTER
One Forge Road (81212)
PO Box 589
Cañon City, CO 81215-0589 **USA**
Tel: +1(719) 275-7471
Fax: +1(719) 269-3750
Email: sales@portec.com
Web: www.portec.com

U.K. SALES OFFICE:

PORTEC INTERNATIONAL LTD.
Tel: +44(0) 116 224 3698
Fax: +44(0) 116 224 3698
Email: jimhempstock@portecgroup.fsnet.co.uk

GERMAN SALES OFFICE:

Tel: +49(0) 5193 972 1249
Fax: +49(0) 5193 972 1248
Email: volker@portec.com

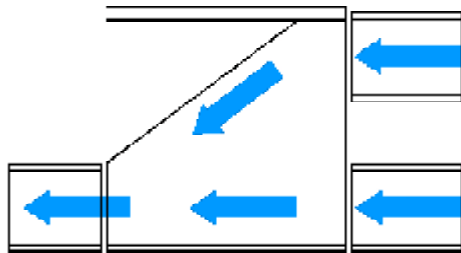
BELT MERGE

Technical Specifications



Single Chain Merge Application

(Lateral force on belt in one direction only)

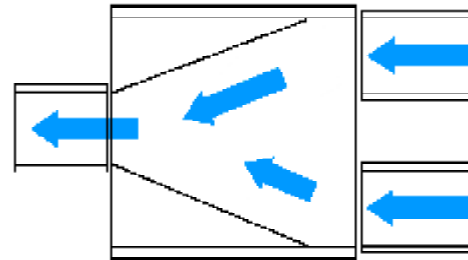


Typical Single Chain Models

Model Number	Belt Width	Between Sideguards	Overall Length
1854CSC1524	1829 mm	1854 mm	1524 mm
1854CSC4572	1829 mm	1854 mm	4572 mm
2464CSC1524	2438 mm	2464 mm	1524 mm
2464CSC7620	2438 mm	2464 mm	7620 mm
3073CSC3048	3048 mm	3073 mm	3048 mm
3073CSC9144	3048 mm	3073 mm	9144 mm

Double Chain Merge Application

(Lateral force on belt in two directions)



Typical Double Chain Models

Model Number	Belt Width (between sideguards)	Overall Length
1524CDC1524	1524 mm	1524 mm
1524CDC6096	1524 mm	6096 mm
2134CDC3048	2134 mm	3048 mm
2134CDC7620	2134 mm	7620 mm
3048CDC3048	3048 mm	3048 mm
3048CDC9144	3048 mm	9144 mm

Note: The above models are examples only. Each conveyor is custom designed for your application.

Belting: Standard heavy duty hard black PVC with laced seam.

Frame Construction: All steel construction. Larger frames can be built in sections for ease of handling and installation.

Belt Drive System: The belt is positively driven by a shaft-mounted sprocket engaging a precision roller chain that is attached to the side of the belt. The positive chain-driven system from Portec is not effected by the following conditions that can damage friction-driven belt conveyors:

- Sudden load on the belt
- Temperature variations
- Contamination on or under the belt
- Incorrect belt tension
- High cycling operation

Belt Tracking: The belt is held in place by a chain that is attached to the side of the belt and runs in a track. Double chains are used when the merging operation is in both lateral directions.

Belt Speeds: The Portec Belt Merge is capable of continuous operation at high speeds, heavy loads and high cycle rates.

Diverters: Fixed or power-faced diverters are custom-designed for your installation.

Call PORTEC FLOMASTER for your Material Handling Solution!!