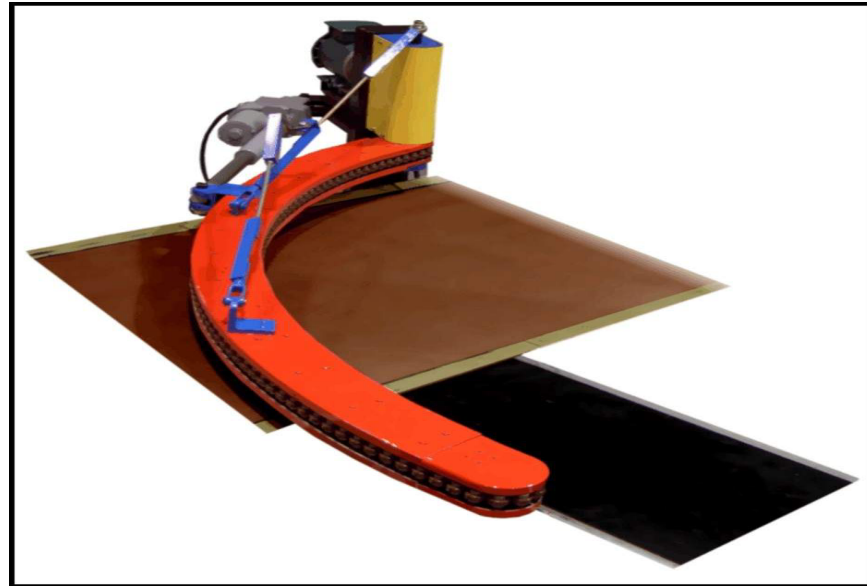


PFD-C™

CURVED POWERED FACE DIVERTERS



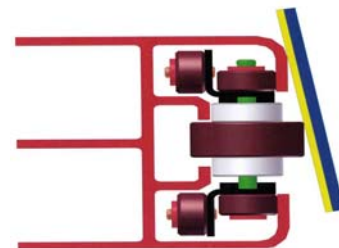
PERFORMANCE • SIMPLICITY • RELIABILITY



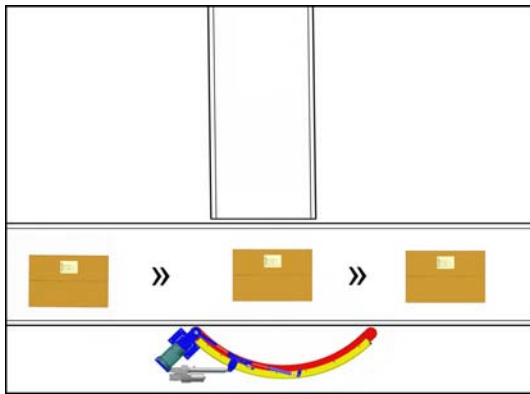
Portec Curved PFD Technology

Portec introduces a new concept in product diverting. A Curved Powered Face Diverter (PFD-C) extends to divert product flow 90 degrees through a narrow diverter window. The Portec PFD-C presents the product outflow to the adjoining conveyor in perfect alignment or the Portec PFD-C retracts to allow straight product flow. The cantilever design can easily be added to an existing system. The powered accumulation chain on the diverter face is low friction for gentle product handling. The speed multiplier design allows the product to move 2.5 times faster than the chain for quiet and reliable operation at high product speeds. The Portec PFD-C simplifies conveyor system layouts for better throughput.

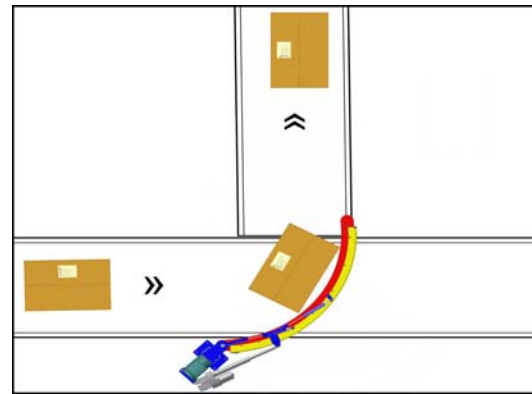
- **90 degree diverting**
- **Small diverter window**
- **Powered accumulating face**
- **Perfect product alignment**
- **Retractable or fixed arm**
- **Reliable chain drive**
- **Easy installation**
- **High throughput operations**



Curved Diverter Technology



Diverter in Retracted Position



Diverter in Extended Position

Standard Features

- **Powered Face Chain** Tsubaki Double Plus® accumulation chain with alignment wheels and premium bearings.
- **Conveying speed range** The standard drive unit is capable of powered face speeds of 60-2000 fpm using an AC inverter motor controller. The chain speed multiplier factor of the Double Plus chain means that the product speed is 2.5 times faster than the chain speed. The diverter face speed does not have to perfectly match the conveying system speed because of the accumulation feature of the chain.
- **Motor** 1 hp Continuous Constant Torque Inverter Duty Vector Motor; WC143TC TENV frame; 230/460v 3ph/60hz (Call for 50 hz motors)
- **Gear reducer** Boston Gear Right-90 Series; 2:1 ratio
- **Arm dimensions** 73" long arm (90 degrees) with a 47" radius at the powered face is standard. Custom sizes are available to match your application.
- **Height** The standard support pedestal is available for heights from 6-72".
- **Installation** The Portec PFD-C diverter pedestal has a 8" x 12" base plate, that is anchored to the floor. The arm may be mounted with the wheels approximately 2.5" above the conveying surface.
- **Actuators** Optional electro-mechanical (11-15 sec. cycle time) or pneumatic (.4 sec cycle time) actuators are available. A fixed arm is standard.
- **Product Types** The PFD-C is capable of diverting rigid or semi-rigid products with a vertical side or slightly tapered side of at least 3" high. Flat envelopes or bags are not generally good applications for the PFD-S. Tote boxes with a 5 degree tapered side will have a .08" clearance from the aluminum arm.