

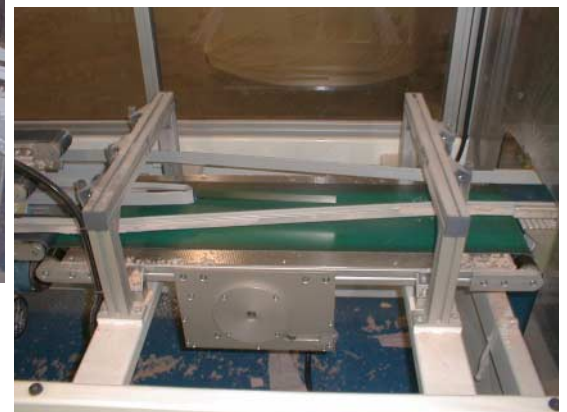
# DFC 210 and DFC 420 combiners for rolls



A FlexLink standard solution

5071-1

## High capacity merging of two-lane flows



*The FlexLink combiner is capable of merging the flow of paper rolls from two in-feed lanes into one discharge lane (DFC 210) or four in-feed lanes into two discharge lanes (DFC 420) almost continuously. It uses acceleration to create a gap large enough to count the rolls, so that the in-feed lane balance is maintained.*

### Standard features

A typical DFC 210 application is where a two-lane log saw is used in combination with a single lane wrapper. DFC 420 is typically used where a two-lane wrapper is supplied by a four-lane or two two-lane log saws.

- **Stand-alone unit:** The combiner does not depend on gaps in the incoming product flow or synchronisation signals from other machines (e.g. the saw) and can therefore be placed anywhere along the line. This directly translates to a smaller total amount of conveyors needed and simplified controls.
- **Minimum backlog requirements**
- Continuous counting of rolls passing ensures lane balance of incoming flow
- **Smooth operation:** Inverter controlled in-feed metering choke lanes ensures reliable and quiet operation.
- **Standardised control system:** The machine control system has spare capacity that can be used to control other equipment, e.g. infeed and discharge conveyors.
- **Quickly adjustable:** Quick release handles and hand wheels are used for speedy changeovers.
- **Minimum floorspace requirements**
- **Easy to operate, low maintenance and service-friendly:** Standardised, modular design. Easily accessible for inspection and service.
- UL or CE certified

# DFC 210 and DFC 420 combiners

## Technical specifications

Capacity DFC 210 .....	320 BRT/min.
DFC 420 .....	640 BRT/min.
Conveyor height .....	750–850 mm
Product length .....	90–250 mm
Product width .....	90–150 mm
Product height .....	90–150 mm

## Included in delivery

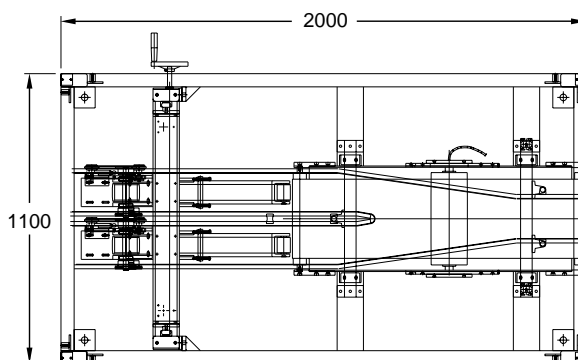
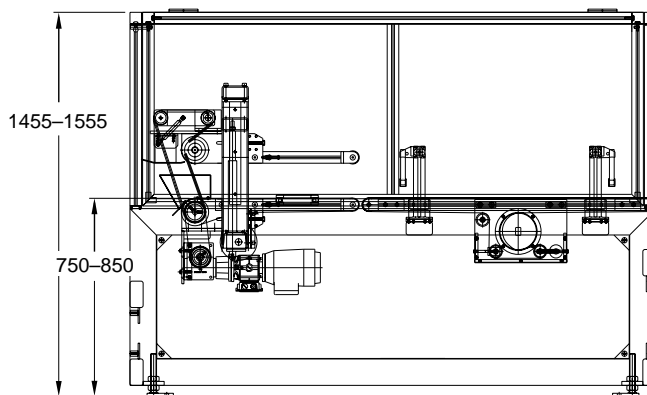
- ABB gear motors with inverters
- SICK photo eyes
- SKF bearings and actuators
- Siemens or Allen Bradley controls system
- Fully enclosed for CE requirements
- Steel ridged framing
- Habasit conveyor belts

Other motor types, belting types, product dimensions etc. are available on request.

## Installation requirements

- Power supply: 3-phase 380/460 VAC, 50/60 Hz
- Optional control interface with environment:
  - Analogue speed control, 0–10 V
  - Potential free contacts

## Dimensions



DFC 210

*FlexLink is a leading supplier of automation solutions for manufacturing and assembly processes. The Paper Converting Centre of Excellence is a unit within FlexLink with specialists on product handling equipment for the tissue paper industry. We deliver systems for cost-efficient flow management at all stages of the converting operation, from the core to the finished product. Our extensive offer ranges from component deliveries to turn-key installations and pre-assembled modular units for the most common requirements.*