INTEGRATED FOLDING SYSTEM

FULLY AUTOMATED FOLDER ENHANCES DUPLO SYSTEMS FOR DIGITAL COLOUR PRINT

Finish in one pass with one operator
Automated set-up and operation
Purpose built for digital print

Greeting Cards · CD Covers · Leaflets · Photo Applications · Direct Mail

The Integrated Folding System is a range of 4 modules purpose built to extend the inline capabilities of the DC-445, DC-646 and DC-746. In addition to the existing features of cutting, creasing and perforating, one operator can now fully finish different applications from offset or digital presses such as greeting cards, CD covers, small format 'tent' cards, brochures and leaflets.

The multi-function solution

Traditionally, printed sheets typically need to be taken to a guillotine, then a creaser and then a folder. Not only does this require multiple machines, with the paper handled and processed again and again but 'overs' are required to allow set-up at each stage.

Combining the flexible Integrated Folding System with a DC multi-finisher allows printers to completely automate the job from one point, reducing handling, errors and waste. Finishing work in one pass with only one operator results in considerable cost savings in equipment, time and labour.

Modular Finishing – Optimised to your requirements

These 5 modules allow as many as 18 different configurations to be assembled, providing the best possible solution for the user. Start with a stand-alone creaser and add modules as your demands change with your business.

Upgrade from previous models from the DC range of slitter/cutter/creasers and reuse the same finishing modules. One operator can swap out a module and change to another system configuration in less than 10 minutes.

From start to finish

Large and small sheet sizes

Printed, coated, laminated

Folder
This core module of the IFS range complements the creasing rule of the DC-445, DC-646 and DC-746 by ultising two knives to fold the paper between rollers, avoiding crushing of the crease typically found in conventional buckle type sheet folders, and allowing 7 common fold patterns. Jobs that do not require folding can simply pass through to the high capacity stacker or into a divert tray beneath.

The **Straight Conveyor** synchronises the transport of paper through the system, optimising production speeds between the various elements, making the system more efficient and creating greater flexibility and options for the user.

Stacker
Output from the system is collected in one of two alternative versions of high capacity stackers; both of which can collect folded and flat items.
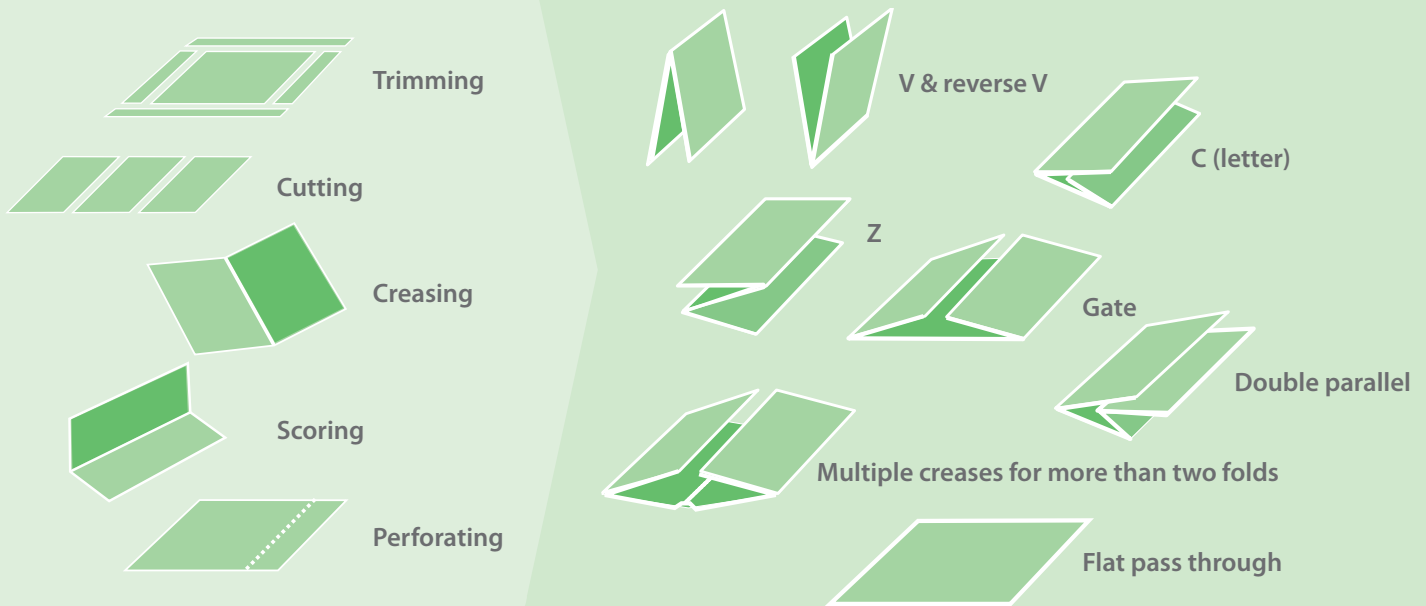
Long Stacker

Conveyor / Folder / Long Stacker

... from printed sheet to finished product

Trimming

Cutting

Creasing

Scoring

Perforating

V & reverse V

C (letter)

Z

Gate

Double parallel

Multiple creases for more than two folds

Flat pass through

The **Long Stacker** is a floor standing model and has a capacity of up to 400mm, allowing the system to run uninterrupted for long periods.

A smaller economical model is the **Short Stacker** which provides the same features, but at half the capacity and also saves floorspace.

Both Stackers can be used independently of the folder system, by being attached directly to the host machine to provide increased output capacity.

Central Control
Although the Folder features a control panel, the set-up, programming and management comes from the host machine.

For the DC-646 and DC-746, programming can also be achieved through the 'PC Controller' software which runs on PC and provides a user-friendly graphical interface to create, edit and save jobs in a format that is very easy to use. Jobs can be programmed while the system is running, or prepared remotely by the pre-press operator then copied over a network. In this way, a virtually infinite range of jobs can be stored and recalled at a moments notice.

Slide Shaft Connectors

Long Stacker
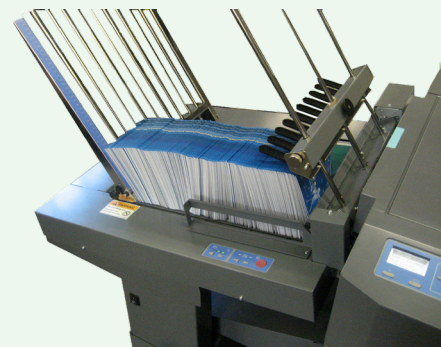
Specifications

SC1 Straight Conveyor

Paper Weight:	110 - 350 gsm
Power:	From Folder
Dimensions (LxWxD mm):	550 x 610 x 1070
Weight:	46 kg
Notes:	Optional for DC-445
	Compulsory for DC-646 & 746

F2 Folder

Paper Weight:	110 - 350 gsm
Power:	230 VAC , 0.9 A
Dimensions (LxWxD mm):	550 x 610 x 1070
Weight:	95 kg
Notes:	Minimum Fold 42.5mm
	Dbl. Parallel Fold max. 230gsm

ST1 Long Stacker

Paper Weight:	110 - 350 gsm
Power:	230 VAC , 0.4 A
Dimensions (LxWxD mm):	710 x 710 x 1330 - 1450
Weight:	54 kg
Notes:	Stack Capacity 400mm

ST2 Short Stacker

Paper Weight:	110 - 350 gsm
Power:	230 VAC , 0.4 A
Dimensions (LxWxD mm):	650 x 410 x 1230 - 1350
Weight:	21 kg
Notes:	Stack Capacity 200mm

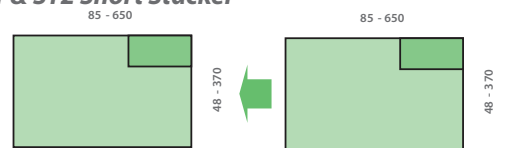Gutter dimensions relevant for connection to DC-646 and DC-745

SC1 Straight Conveyor
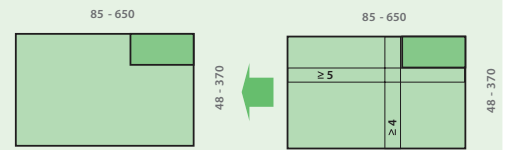
F2 Folder
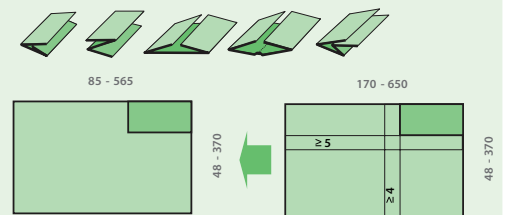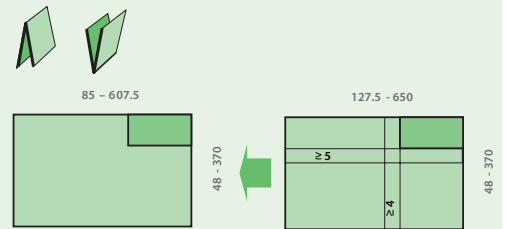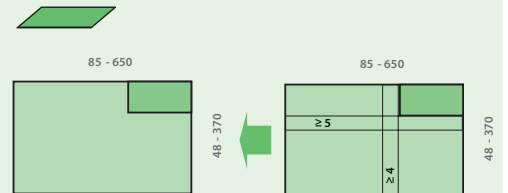
ST1 Long Stacker & ST2 Short Stacker

Stacker 2 extension (STE-01) : Allows items longer than 475mm to be stacked neatly

Ref: IFS/0118