

Specifications

Min. paper size:	140 mm x 170 mm
Max. paper size: (W x L)	320 mm x 650 mm* (*standard maximum length is 460mm. For longer lengths additional tray is required).
Minimum paper weight:	110 g/m²
Maximum paper weight:	350 g/m² Dependent upon grain direction
Paper type:	Bond, coated, laminated
Feed height:	100 mm
Stacker capacity:	200mm short stacker (ST2) 400mm long stacker (ST1)
Feed system:	Top fed / suction feeder
Crease depth:	3 settings
Tolerance:	+/- 0.3mm
Memories:	30 programmes
Options:	Perforating Slitting Double feed detection Long paper feed tray

Integrated Folding System (IFS)

Max. paper size:	320 x 325 mm - finished folded size
Min. paper size:	70 x 85 mm - finished folded size
Speed:	up to 30 sheets / min up to 50 sheets / min (with straight conveyor - SC1)



Power:	230V, 0.8A, 160W
Dimensions (W x H x D):	618 mm x 1263 mm x 1090 mm
Weight:	108 kg (including stand)

Paper weight:	110 - 350* g/m² * 230g/m² for double parallel folding
Folding:	Programmable in 0.1mm increments
Folding patterns:	7 types with tolerance +/- 0.2mm

Weight:	96 kg
Power:	230V AC 50/60Hz
Dimensions (W x H x D)	757 x 822 x 1493 mm

Duplo®
from print to documents

DC-445 IFS

AUTOMATIC CREASER
WITH INTEGRATED FOLDING SYSTEM

Brochures - CD Covers - Greetings Cards
Menus - Direct Mail



Duplo is a trademark of the Duplo Corporation. Duplo has a policy of continuous improvement and reserves the right to amend the above specifications without prior notice.

Production rates are based on optimal operating conditions and may vary depending upon stock and environmental conditions. As part of our continuous product improvement program, specifications are subject to change without notice.

The Duplo DC-445 IFS is a fully-automated vacuum-fed creasing and folding solution perfectly adapted to the requirements of digital print. By creasing the sheet before folding, it overcomes the problem of toner cracking and ensures a visually stunning final document. Set-up is fully automatic, the footprint is small and the whole machine can be run by a single operator.



DC-445 DuCreaser

The DC-445 uses a male rule/female matrix creasing mechanism to place up to 15 creases on one sheet in a single pass. The operator can select the crease depth so whether the job has been produced on litho or digital, heavy or light stocks the final document is always of the highest quality.

Various features help to ensure minimum downtime and maximum productivity. The vacuum feeder draws in sheets from the top of the stack enabling a sizeable stack of sheets to be loaded without fear of mis-feeding or damaging the print.

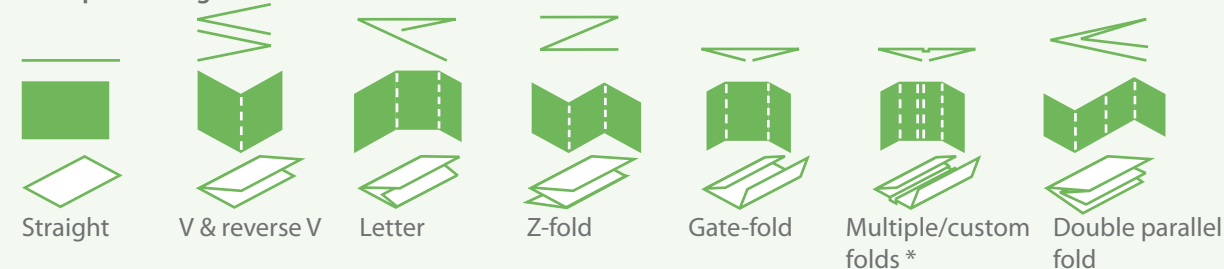
The maximum speed is a healthy 50 sheets-per-minute and for those quick turnaround/frequently run jobs there are 30 memories for instant recall of all the machine settings.



Integrated Folding System (IFS)

The IFS is a range of 5 modules purpose built to extend the capabilities of the DC-445.

Multiple Folding Patterns



*1 fold without creasing, folding allows for manual application of more than 2 creases

At the heart of the IFS is the folder module that includes two folding knives. This allows 7 common fold patterns to be produced on a range of paper stocks and weights, all with a presentable crack-free finish.

Other modules include a choice of stacker for high or low capacity work and a straight conveyor that increases the operating speed - particularly useful where higher volumes are demanded. The whole system is modular and can be expanded over time to suit your production requirements.



Cost-Effective Finishing

As a system the DC-445 IFS is one of the most versatile finishing machines available. Whilst folding is the primary function, the DC-445 can be fitted with several other modules for cutting along the length of the sheet or perforating.

Despite being constructed of several modules the whole system is centrally controlled and is designed such that one operator can comfortably run the machine.

With minimal floor space, modest staffing levels and little more than a solitary digital printer, the DC-445 IFS enables you to „load and go“; leaving the machine to produce a plethora of jobs including greetings cards, direct mail pieces, menus, brochures, tent cards, point of sale items, CD and DVD inlays and book covers whilst you get on with other tasks.

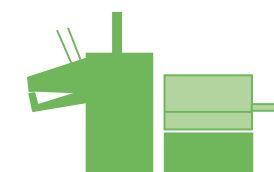
The complete digital folding solution

Modules Available

DC-F1 Folder
DC-SC1 Straight Conveyor
DC-ST1 Long Stacker
DC-ST2 Short Stacker

DC-445 DuCreaser / IFS Configuration Options:

DC-445 DuCreaser + Folder + Short stacker



Compact solution for environments where floor space is at a premium and the workload is characterised by short and infrequent runs. Maximum speed is limited to 35 sheets per minute.

DC-445 DuCreaser + Folder + Long stacker



The long stacker unit makes this solution particularly applicable where the overall volume of work is still quite light but there is frequent demand for longer runs.

DC-445 DuCreaser + Straight Conveyor + Folder + Long stacker



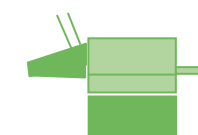
The straight conveyor increases the productivity of the machine to a maximum of 50 sheets per minute making this a popular option for commercial printers handling higher volumes.

DC-445 DuCreaser + Straight Conveyor + Folder + Short stacker



With a high throughput of up to 50 sheets per minute and shorter stacker this system is designed for businesses who are faced with a high proportion of short-run, quick turnaround work.

DC-445 DuCreaser + Short Stacker



The simplest configuration possible is the DC-445 DuCreaser and short stacker. It is for environments with a separate folding solution.

