

Specifications

150Cr Booklet System*

Booklet size	Saddle stapling and folding	Length 210 to 460 mm Standard size: A5SEF, A4 SEF, A4 LEF, A3 SEF, A3SR SEF, B5 SEF, B4 SEF, LGR SEF, LGL SEF, LTR SEF, LTR LEF
Paper size		Min: 180mm x 200mm Max: 320mm x 460mm
Paper type		Fine quality, Art/Coated or Uncoated
Max processing speed		1000 books/hour (for 2 sheets with crease cover only)
Paper weight		110-300gsm
Feed height		100 mm
Feeding mechanism		Suction
Dimensions		2988mm (W) x 620mm (D) x 1090mm (H)
Power supply		240V
Current consumption		230W
Anti-static System		Digital Colour Media kit
Net weight		254.3Kg

* DC-445 DuCreaser and DBM-150/T are capable of running independently, however they must remain connected.

DC-445 DuCreaser*

Paper size	Min: 140mm x 170mm Max: 230mm x 670mm (999.9mm is possible, but tray does not support extra long sheets)
Paper weight	110-350gsm
Paper type	Coated, Uncoated and Laminated
Feed height	100 mm
Stacker capacity	200 mm short stacker (ST2) 400 mm long stacker (ST1)
Feed system	Top fed / suction feeder
Crease depth	3 settings
Power	230V, 0.8A, 160W
Feeder speed	3000 sheets/hour
Number of creases	Up to 15 creases per document across the paper direction
Crease depth adjustment	3 steps (from control panel)
Tolerance of creaser	+ / - 0.3 mm
Memories	30
Minimum repeat distance	0.1 mm
Options	Perforators (15 teeth/inch), Slitters, Air Knife, Double Detection, Long Paper Tray, Base
Net weight	79Kg

*As a standalone machine

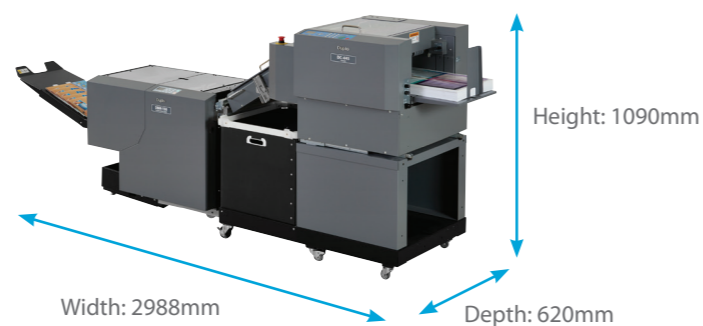
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DBM-150, DBM-150T*

Booklet size	Saddle stapling and folding	Length 210 to 460 mm Standard size: A5SEF, A4 SEF, A4 LEF, A3 SEF, A3SR SEF, B5 SEF, B4 SEF, LGR SEF, LGL SEF, LTR SEF, LTR LEF
Side stapling (option)		Length 180 to 231 mm
Paper type		Fine quality: 64 to 127.9gsm, Art/Coated: 104.7 to 127.9gsm Cover: Fine quality, Art/Coated within 300gsm
Stapling thickness		Fine Quality: within 2.5mm (Maximum of 25 sheets) Art/Coated: within 2.0mm (Maximum of 20 sheets)
Max processing speed		2400 sets/hour
Stapler		ISABERG RAPID R952
Stapling width		70, 108, 160, 258, and 276mm
Trimming waste width		1 to 20 mm
Number of sheets that can be trimmed		4 to 50 sheets
Staple capacity		5,000 staples per cartridge
Detecting function		Paper jam (in-feed section, stopper section, ejecting section), Staple near empty, Corner and Side Staple kit Detection, Cover open/close, Knife stop position error, Motor overload detection, Folding roller gap
Operation panel		LCD control panel (DBM-150)
Noise emission		Equivalent continuous A-Weighted sound pressure level: 75.2 Sound Pressure level: 92.5 (measured at 1m away from the control panel, 1.5m from the floor)
Power supply		120 to 240 V 50/60 Hz
Current consumption		DBM-150: 130W 1.2-0.7A DBM-150 + DBM-150T: 230W 2.2-1.1A
Net weight		137Kg

*As a standalone machine



Duplo is a trade mark of the Duplo Corporation. Duplo has a policy of continuous improvement and reserves the right to amend the above specification without prior notice. Production rates are based on optimal operating conditions and may vary depending on stock and environmental conditions. As part of our continuous product improvement program, specifications are subject to change without notice.



Ref: 150Cr/03/15

Duplo[®]
from print to documents

150Cr BOOKLET SYSTEM

THE PROFESSIONAL ENTRY LEVEL BOOKLETMAKER

Creasing, slitting, folding and trimming in one pass
Full bleed and crease function
Perfect as Bookletmaker or Sheet Feeder
DC-445 DuCreaser and DBM-150/T can be used independently
User friendly
Easy setup
Anti-static system with DCM kit
In-line slitting - no need for guillotine

Menus, Letters, Reports, Invoices, Picking Lists, Brochures, Bulletins, Greeting Cards, Direct Mail



Duplo introduces its latest addition to the DBS portfolio, the 150Cr Booklet System. This system is born out of a successful marriage between the DC-445 DuCreaser and the DBM-150/T, both of which are capable of running independently. This cutting-edge combination offers creasing, slitting, folding and trimming in one pass with full bleed and crease function. It is designed for the professional entry-level digital printer who want simple, accurate and affordable print finishing. The 150Cr Booklet System requires little operator training with easy to follow instructions and incorporates "Green Button" technology features.



Multi-functionality

The 150Cr Booklet System uses the existing DC-445 DuCreaser and DBM-150/T and offers full bleed and crease function. Both the DC-445 DuCreaser and DBM-150/T can be used as standalone machines by switching bridge position ensuring no extra footprint or lengthy set up times. The 150Cr Booklet System can act as a sheet feeder for pre-collated stock.



Media

The 150Cr Booklet System can finish a wide range of applications from 180mm x 200mm to 320 x 460mm, using coated or uncoated, fine and art stock up to 300gsm.



Productivity

The 150Cr Booklet System helps increase production significantly by creasing, slitting, folding and trimming in one pass without the need for guillotining. The workflow is continuous therefore enabling print integrity. The Ultrasonic Sensor detects air gaps between two sheets when a double feed occurs regardless of ink colour, paper colour or paper density. This enables the operator to feed different paper weights within the same job.



Easy Set up

The Green Button technology incorporated in both the DC-445 DuCreaser and the DBM-150/T ensures minimum operator training to run the system.



Instant Finishing

The 150Cr Booklet System incorporates the Digital Colour Media kit which vastly reduces static, together with the Ultrasonic Sensor which detects air gaps between two sheets when a double feed occurs. This accelerates the process which is vital for on-demand printing.



Modularity

The 150Cr Booklet System can be adapted using the existing DC-445 DuCreaser and DBM-150/T thus minimising initial investment whilst being able to produce professional finished booklets.



Accuracy

The DC-445 DuCreaser automatic suction feeder ensures consistent delivery of sheets with no risk of marking. The DC-445 DuCreaser module is extremely versatile and can produce up to 15 creases on a sheet. These can be adjusted in 0.1mm increments ensuring a high degree of accuracy.



Digital Print

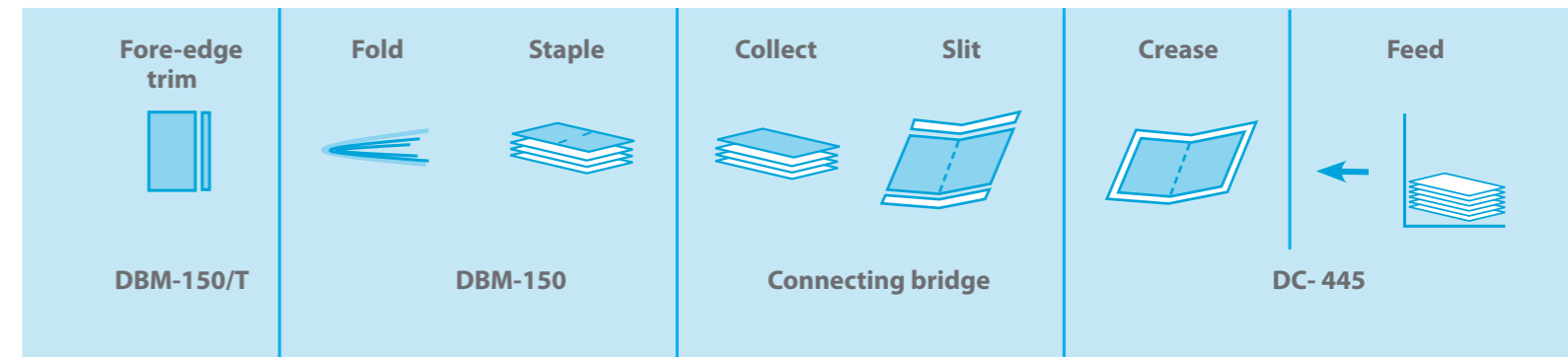
Quality is always maintained on the 150Cr Booklet System, each sheet can be created before entering the bookletmaker to ensure that no cracking is caused after folding.



Versatility

The DBM-150/T is compact and equipped with all the features of Duplo's big bookletmakers. It is designed with a user friendly control panel and is capable of finishing up to 2,400 books per hour. With a small booklet kit as standard, the DBM-150/T automatically switches from finishing large to small booklets in a few seconds enabling a wide variety of different applications to be made with very little or no user intervention.

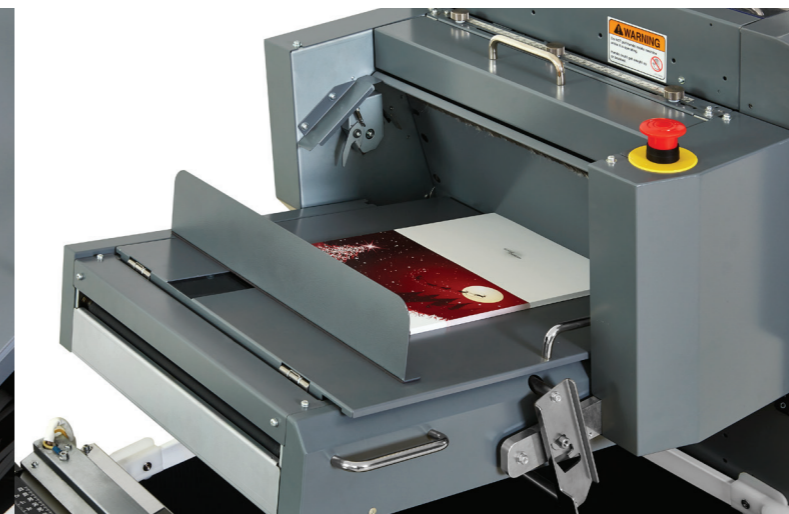
150Cr Booklet Making Process



In-line slitting



Anti-static DCM kit



Standalone DC-445 DuCreaser receiving tray



150Cr connecting bridge