

DiALTA Di450/Di550

Copy specifications

Copier system

Laser electrostatic

Type

Desktop/stationary platen

Resolution

600 x 600 dpi

Halftones

256 gradations

Type of originals

Sheets, book, 3-D objects

Original size

Max. A3

Original feeding system

100 originals (option)

Copy size

A3 to A5

Exposure control

Automatic, manual, text/photo

Multiple copy

1–999, countdown, interruption capability

Warm-up time

Less than 4 min.

Magnification

X 0.250–4.000 (preset or variable)

1st copy

Less than 4 sec. (A4 crosswise)

Copy speed

Max. 45 copies/min. (Di450)

Max. 55 copies/min. (Di550)

Copy memory

32 MB standard (up to 100 pages)

64 MB max. (up to 260 pages)

64 MB + 4 GB HDD (up to 2,000 pages)

Input materials

Plain paper (60–90 g/m²)

Thick paper (90–160 g/m²)

OHP sheets, labels, transparencies by multi-sheet bypass

Paper feeding system (standard)

2 x 500-sheet front paper drawers

+ 1 x 50-sheet bypass

to include one of the following:

2 x 500-sheet front paper drawers inc. duplex (PF-208)

or

1 x 2,500-sheet front paper drawer inc. duplex (PF-115)

or

Duplex cabinet (PF-7D)

Additional Paper feeding system (optional)

1 x 3,000-sheet Large Capacity Tray (A4) (C-306/L)

(A4) (C-306/L)

Duplex (standard)

Paper size DIN A3–A5, paper weight 60–90 g/m²

Output capabilities (options)

- 1,000-sheet finisher with stapling (1 position)
- 1,000-sheet finisher with stapling (1 position), punching (4 holes) and mailbin-sorting (5 bins with 200 sheets each)

- 2,500-sheet finisher with stapling (saddle stitch), punching (4 holes) and folding (Z-fold, inner fold, outer fold)
- 3,000-sheet finisher with stapling (6 positions) and punching (4 holes)

Developing system

Minolta Micro-Toning System

Photo conductor

OPC drum

Power consumption

Less than 1.5 kW

Dimensions (W x D x H, mm)

664 x 740 x 1,030

Weight

113 kg

Special features

- Image repeat
- Stamp function (e.g. date, page)
- Watermark
- Job recall
- Copy programs
- Image shift
- Edge/frame erase
- Page insertion
- Cover mode
- Booklet mode
- 2-in-1, 4-in-1
- Book copy

Accessories

- Original cover
- Electronic document handler (EDH 3)
- 2-cassette cabinet (PF-208)
- Large-capacity-cassette cabinet (PF-115)
- Duplex cabinet (PF-7D)
- Copy tray
- Finisher with folding, multi-stapling, punching (FN-5)
- Finisher with multi-stapling, punching (FN-105)
- Finisher with single stapling (FN-106)
- Mailbin finisher (FN-503)
- Large Capacity Tray (C-306/L)
- HDD for machine
- 32 MB memory
- Pi5500 controller/Interface kit
- Pi5501 controller

Printer specifications

Print speed

Max. 45 prints/min. (Di450)

Max. 55 prints/min. (Di550)

Print resolution

Max. 600 x 600 dpi

Paper size

A3 to A5

RAM

- Pi5500
64 MB standard/96 MB maximum
- Pi5501
32 MB standard/160 MB maximum

HDD

10 GB (Pi5500 standard, Pi5501 optional)

Interfaces

- Pi5500
parallel/IEEE1284 standard
10/100BaseT standard
TokenRing optional
- Pi5501
parallel/IEEE1284 standard
10/100BaseT optional

Page description languages

PCL 5e, PCL 6, PS3

Fonts

Adobe Type 1 (136 fonts)
PCL fonts (46 fonts)

Features (Pi5500)

- Fiery Spooler
- Fiery Link
- Fiery DocBuilder
- Fiery DocBuilder Pro optional

Scan specifications

Pi5500

Scan-to-eMail
Scan-to-HDD
TWAIN scan

Pi5501

Scan-to-eMail
Scan-to-FTP

Electronics
Imaging



All specifications relating to paper capacity refer to A4-sized paper of 80 g/m² quality.

All specifications relating to scanning, copying or printing speeds refer to A4-sized paper that is scanned, copied or printed crosswise in multipage, simplex mode.

The memory capacities listed refer to A4-sized paper with the toner coverage detailed in the respective foot note.

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Specifications are subject to change without notice.

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For further information please contact your local Minolta representative

DiALTA Di450/Di550

www.minolta.co.uk

The essentials of imaging



MINOLTA

**Modelled to perfection
for document production**

DiALTA



Designed to meet all your departmental needs ...

If you are not entirely happy with your current system of document production, read on.

If you feel your present departmental copier or printer does not offer enough functions, this is the brochure for you.

If your business is searching for the best possible digital solution for document production – with everything from top

quality productivity in copying and powerful network printing to a flexible range of functions and advanced finishing capabilities – you need look no further.

The DiALTA Di450 and Di550: black and white digital document production systems that can be precisely adapted to suit your specific requirements.

Copying

Up to 45 or 55 pages a minute and numerous creative editing functions

Printing

Up to 45 or 55 pages a minute from any workplace in your business

Finishing

Professional document production with duplex printing, punching, stapling, folding, cover insertion and automatic booklet creation



... with five big benefits

1 → Productivity boosted

The benefits of multifunctionality – Copying, Printing, Finishing and Scanning – do not come at the expense of performance. As digital copiers or printers, the Di450 gives you 45 pages a minute, the Di550 gives you 55 pages a minute as well as a range of sophisticated finishing options such as folding, stapling or booklet creation.

2 → Acquisition costs cut

Both the Di450 and Di550 do the job of a high-volume copier, high-volume printer, speedy scanner and professional finishing machine. So as a one-off acquisition, either of them gives you better value for money than four individual machines.

3 → Running costs reduced

The “hidden” cost per page of printing via a stand-alone printer is remarkably high. Have you ever calculated the total cost per page of a stand-alone printer’s consumables? Both the Di450 and Di550 offer the added bonus of printing at the significantly lower price per page of copying.

4 → Single service partner

Different service partners and consumables for your copying and printing? A troublesome and rather expensive idea. The intelligent solution is a single service partner and uniform consumables for both functions.

5 → Space saved

As a multifunctional digital high-volume system, either of these machines naturally takes up less space than a stand-alone copier, stand-alone printer, stand-alone scanner and the machines required for professional finishing.

Digital technology has opened the door to enhanced performance and productivity in today’s office environments. DIALTA, a word derived from *digital intelligence* and *lealtà* (which means loyalty in Italian), is the brand name for Minolta’s broad range of digital output devices. Both aspects of this brand name reflect Minolta’s devotion to the principle of customer satisfaction and desire to ensure maximum quality in reproducing images and in managing and transmitting data to computer-based networks.



The future of departmental copying

A model of efficiency



Departmental copying used to be a time-consuming, tedious process. Original documents had to be scanned as many times as copies were needed – a process that was not only slow but also could even have a harmful effect on the originals. Double-sided copies often had to be produced manually. Copies were sorted in bins so in producing big sets of documents, you were always handicapped by the limited number of bins. But in the fast-moving world of business, time is a vital commodity. And any firm that fails to keep up with competitors can easily be forced out of business.

Although departmental copy jobs have not changed much over the years, the copying solutions have become increasingly efficient. The latest generation of digital departmental copiers from Minolta, the DiALTA Di450 and Di550, is just such a state-of-the-art solution. These machines not only bring a significant boost to productivity through features like scan once/copy many, multi-job function or stackless duplex, they are also fit for the future as departmental copiers. High-end paper management capabilities and high-volume monthly outputs put the Di450 and Di550 in a class of their own – top-of-the-range features from mid-range machines.

Improved productivity

- Less hassle and time wasted thanks to high-end paper management with 6,550-sheet paper capacity, up to four standard trays, optional 3,000-sheet large capacity tray, a document feeder with space for 100 originals and A3 duplex copies from any number of originals
- Faster, quieter copying with high-speed output (45 or 55 cpm), first copy in under four seconds, multiple copies from a single scan and time-saving advance scanning of up to five jobs
- Genuine high-volume copying with a maximum monthly output of up to 85,000 (Di450) or 130,000 (Di550) copies
- Great input versatility thanks to maximum six-way loading and up to 160 g/m² paper

Greater convenience

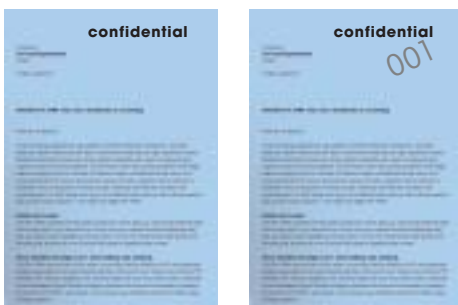
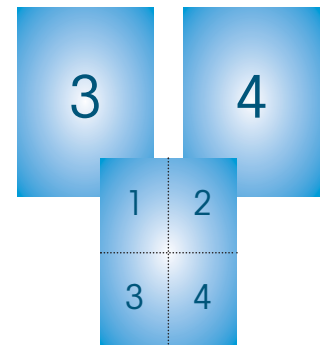
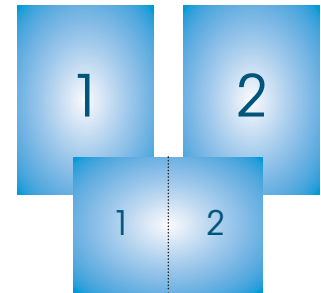
- Large touch panel display designed for ease of use with fewer buttons or keys and helpful user support functions
- Useful memory recall function if more copies are required from a previously scanned original

Digital benefits

- Reduced paper and toner consumption through 2-in-1 or 4-in-1 copying and 90° image rotation for cross-wise copying and no wasted copies
- More creative possibilities with 25–400% magnification in 0.1% steps, seven preset zoom ratios and number or image stamping, e.g. date, distribution number or watermarks such as “Confidential” or “Draft”

High-resolution scanning

- High-quality scans at 600 x 600 dpi
- Up to 50 scans per minute
- Scan-to-eMail for electronic communication
- Scan-to-FTP or to PC for electronic archiving
- Scanning possible via platen glass or document feeder



How you benefit

- Huge paper capacity
- High-speed copying
- Fast, high-resolution scanning

Cost benefits in network printing

A model of intelligence

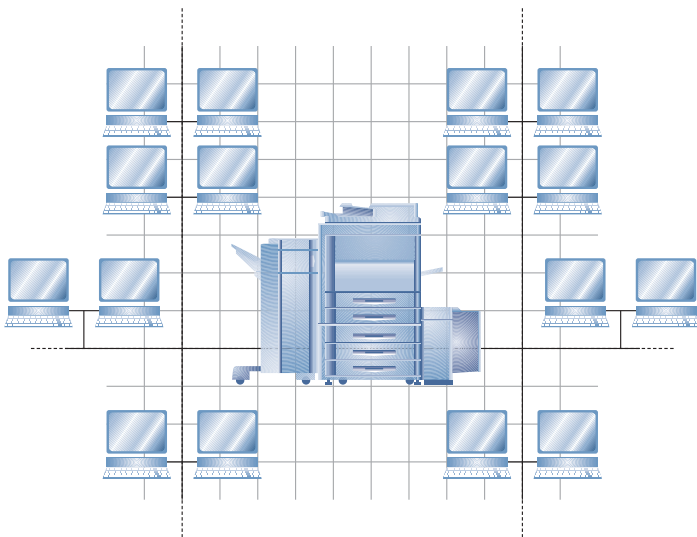


Desktop printing has its drawbacks in a departmental environment. The numerous stand-alone printers needed in a large department take up lots of space and consume a good deal of power. Another problem is the high cost per page of printing via a workplace printer – have you ever calculated the total cost per page of a stand-alone printer's consumables?

Another significant cost factor is the time and effort required to administer the numerous workplace printers in a typical department – in network terms an very inefficient solution, especially when you consider that low-end workplace printers rarely have much more to offer than standard functions.

The future of departmental printing lies in intelligently designed and easily manageable network solutions. For example, where every workplace has access to a high-performance digital printer with a wide variety of sophisticated functions such as duplex printing, A3-format printing and professional stapling, punching or folding. Where intelligent network management software makes life easy for the network administrator. And where a firm's printing bill is reduced through lower initial investment costs, power consumption and running costs per page.

The DiALTA Di450 and Di550 provide an intelligent network solution to departmental printing from Minolta.



- System monitoring, even on a re-mote basis, through Fiery WebStatus
- Fast and comprehensive help for users through Fiery WebLink
- Less network data transfer and faster printing thanks to numerous pre-installed Adobe and PCL fonts and Fiery Web DownLoader function to obtain additional fonts

Advantageous speed

- Powerful processor for high processing speeds and 45- or 55-ppm output
- Significantly faster throughput thanks to RIP-while-print function which allows new documents to be processed during printing
- Speedier multiple-page printing because engine does not stop after each page is printed

- Clear reproduction of images, graphics and text through standard PCL 5e, PCL 6 and Adobe PostScript 3
- Lower costs than with stand-alone printers through printing at the cost per page of copying



Effortless operation

- Speedier multiple-page printing because engine does not stop after each page is printed

- Compatibility with Windows or Mac environments so users can print from almost any office workstation

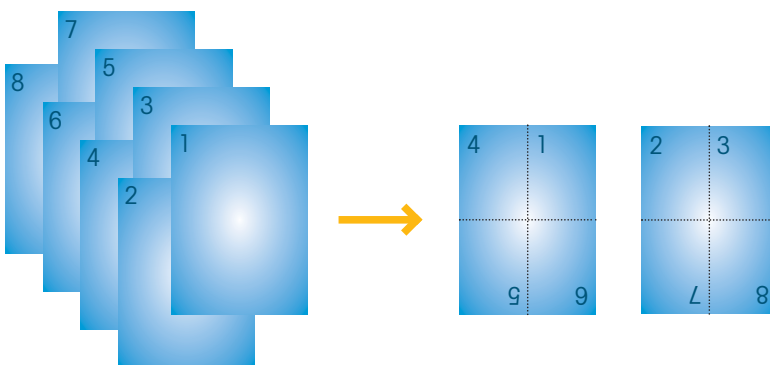
Quality printing at lower cost

- Ultra-sharp type thanks to crisp 600 dpi resolution

- Simpler job management via Java-enabled browser through Fiery WebTools
- Output management straight from the desktop with monitoring of print queues, alteration of print settings or priorities or deletion of print jobs

Sophisticated document production

- Variable Data Printing, e.g. for mailings, with Fiery FreeForm, the software that reduces network traffic in printing files with lots of graphics (e.g. PowerPoint presentations), since background graphics are RIPped and transmitted once, with only the low-volume text elements transmitted page for page
- Job Preview and Document Merging and Editing with Fiery DocBuilder, the imposition tool that enables customised print-ready documents to be created from different sources



How you benefit

- Printing at the cost of copying
- Desktop output management
- Variable data printing with Fiery FreeForm

High performance in finishing

A model of sophistication

Expectations are rising in document production, not least with regard to finishing functions. But in numerous departmental environments finishing is still a time-consuming, manual business with, in many cases, less than professional results. The alternative, up to now, has always been to invest in expensive external finishing systems.

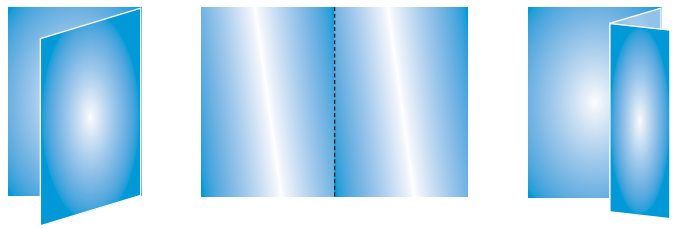
The Di450 and Di550 from Minolta, in contrast, have a wide range of integrated finishing functions. Documents ranging from reports or presentations to mailings and booklets can be finished off with ease.

Few departmental copier-printers, for example, can offer folding functions.

These machines have three – so online booklet creation is now possible from every single departmental workplace.

A sophisticated solution that saves time, effort and, not least, money.



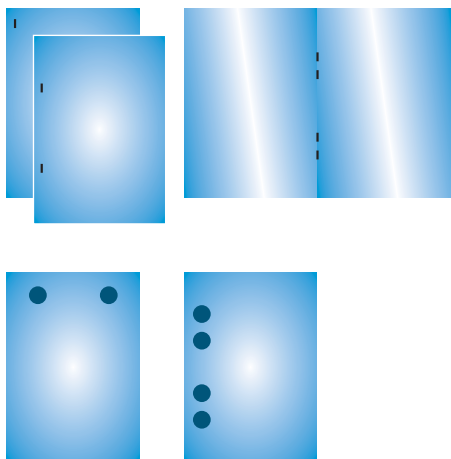


Faster finishing

- Synchronised finishing at full printing speed of 45 or 55 ppm so sophisticated finishing features do not affect the printing performance
- High productivity thanks to generous 3,250-sheet output capacity

Greater flexibility and versatility

- Designed to give departmental users more choice in finishing with a unique flexibility and versatility in finishing
- Greater variety in folding with the high-end combination of Z-folds, inner folds and outer folds
- Time and effort-saving option of fully automatic online booklet creation featuring centre folding and two-point stapling, a very unusual feature in a mid-range departmental copier-printer
- Possibility of permanently allocating mailbins to specific users with option of up to five output trays, another time-saving feature
- Huge choice of up to six different stapling positions (all four corners and twin stapling on the side and leading edges), saddle stitch and four-hole or side/leading-edge punching



How you benefit

- Large finishing output capacity
- Varied folding and stapling functions
- Convenient mailbin finishers

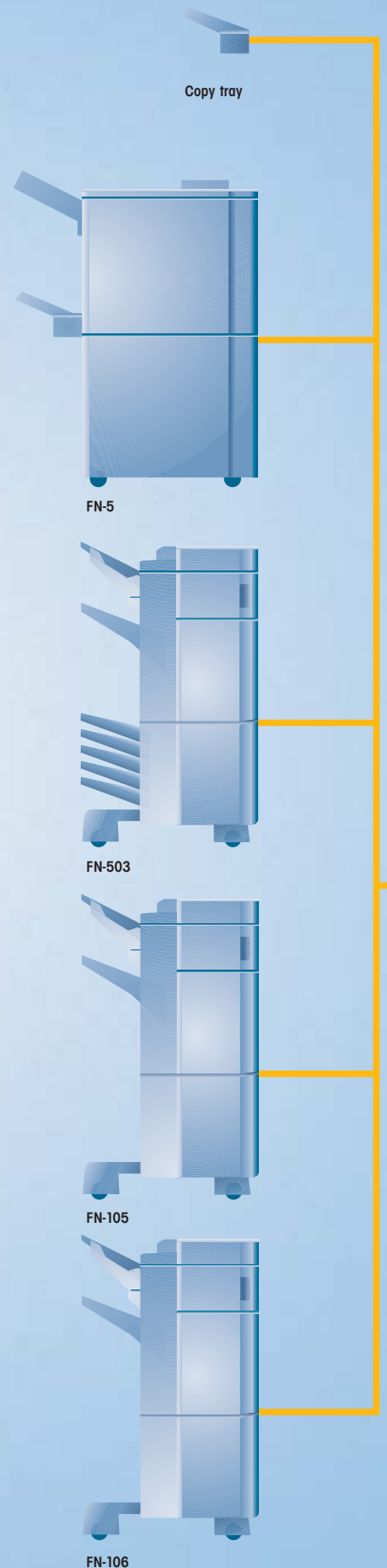
Huge choice in configurations

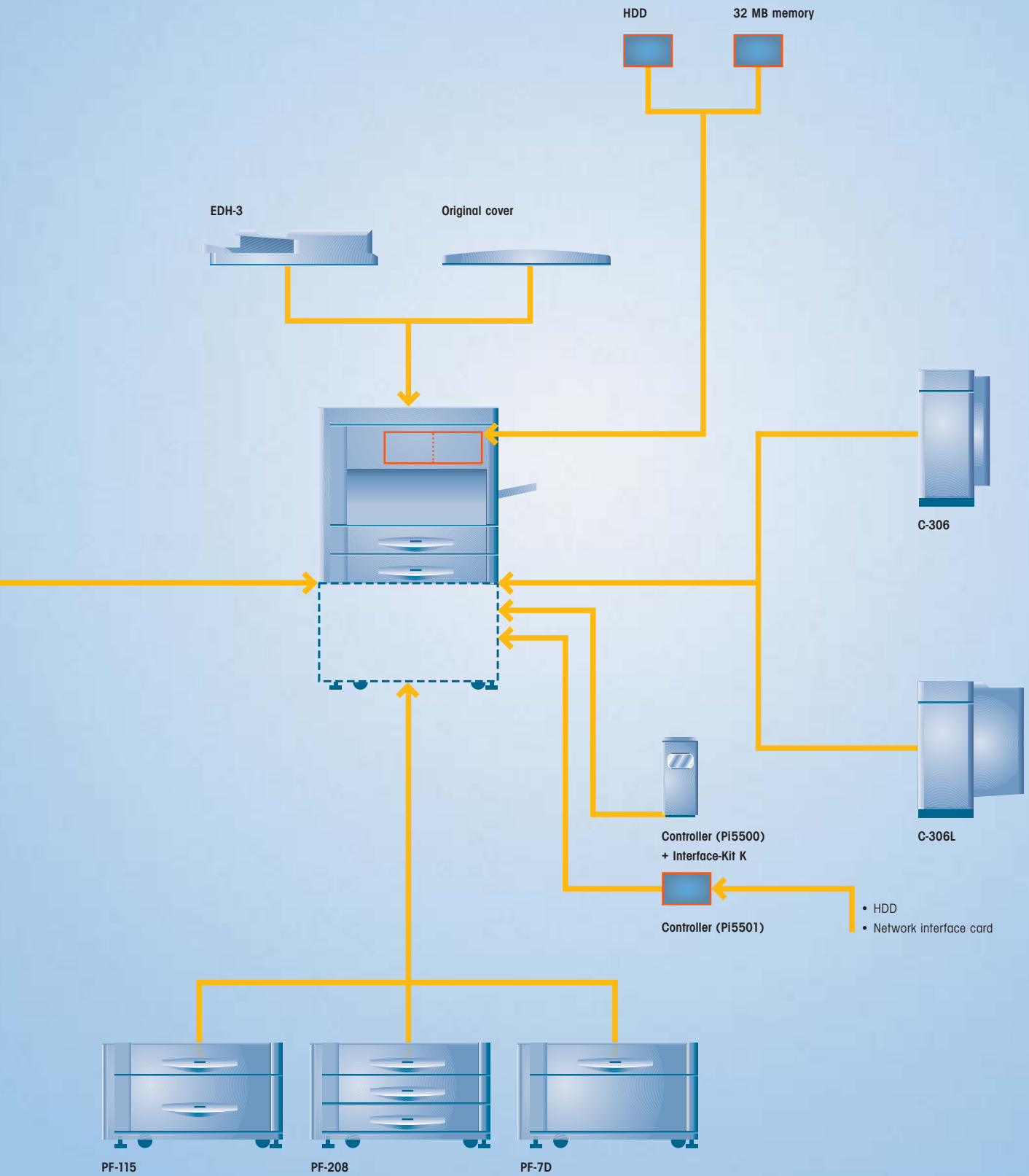
A model of diversity

The DiALTA Di450 and Di550 from Minolta are available in literally thousands of different configurations – so you can choose precisely the right machine with all the fittings and features your department needs.

This unmatched diversity of customised configurations highlights Minolta's principle of putting the customer first: what you want is what you get. The diagram illustrates the breadth of choice you enjoy with the Di450 and Di550.

Your nearest Minolta contact will be glad to advise you in finding precisely the right configuration to suit your needs.





HDD

32 MB memory

EDH-3

Original cover

C-306

C-306L

Controller (Pi5500)
+ Interface-Kit K

Controller (Pi5501)

- HDD
- Network interface card

PF-115

PF-208

PF-7D