

# Printers

The capacity to produce A3 and A4 sized monochrome and colour prints is essential to the teaching of Design and Communication Graphics. This requirement may be met in a number of ways.

## A4 monochrome laser printers

This type of printer will be suitable for printing much of the day to day class output and for the production of worksheets and reports.

The following specifications should be considered:

- 20 to 30 pages per minute printing speed
- Duplex printing (both sides of sheet) is desirable
- Up to 1200 x 1200dpi print resolution
- 32MB memory minimum
- Network ready
- Up to 250 sheet paper capacity
- USB 2.0 / Parallel connections
- Warranty

The following is a small sample of laser monochrome printers that may be suitable along with an indicative price (including VAT).

**Brother HL-5270DN**

**Price: €450 (approx)**



- Up to 28ppm printing speed
- Up to 13ppm duplex printing speed
- First print in less than 8.5 seconds
- Up to 1200 x 1200dpi print resolution
- 266MHz processor
- 32MB memory
- Hi-speed USB 2.0 / Parallel connection
- Network ready
- Up to 250 sheet capacity
- Optional 500 sheet capacity
- Up to 50 sheet multi-purpose tray
- Dimensions: 259x393x384(HxWxD)
- 1 year on-site warranty(upon registration)

**Dell Laser 1720nd****Price: €312 (approx)**

- Up to 28ppm printing speed
- Automatic duplex printing
- 25,000 pages monthly duty cycle
- Up to 1200 x 1200dpi print resolution
- 366MHz processor
- 32MB memory
- Hi-speed USB 2.0 / Parallel connection
- Network ready
- Dimensions: 245x396x345(HxWxD)

**Samsung ML-3051N****Price: €350 (approx)**

- Up to 30ppm printing speed
- First print in less than 9 seconds
- 35,000 page monthly duty cycle
- Up to 1200 x 1200dpi print resolution
- 400MHz processor
- 32MB memory
- Hi-speed USB 2.0 / Parallel connection
- Network ready
- Up to 550 sheet capacity
- Dimensions: 286 x 400 x 433(HxWxD)

**OKI B4600n****Price: €350 (approx)**

- Up to 26ppm printing speed
- First print in less than 5 seconds
- 40,000 page monthly duty cycle
- 1200dpi print resolution
- 32MB memory
- 266MHz processor
- Hi-speed USB 2.0 / Parallel connection
- Network ready
- Up to 250 sheet capacity + manual
- Dimensions: 215 x 355 x 395 (HxWxD)

## **A3 Business Inkjets**

This is a heavy duty version of the common inkjet printer. It will produce up to 12,000 copies per month and replacement cartridges are likely to cost about €40 each (they normally use 4 cartridges which can be replaced individually). Such a machine will cost approximately €1000 and will usually fit on a desktop though it will be bigger than a standard inkjet.

The following is a small sample of A3 Business Inkjets printers that may be suitable along with an indicative price (including VAT).

### **Epson Pro Photo R2400**

**Price: €850 (approx)**



- A3/A4 paper size
- Up to 6.5ppm (black)
- Up to 6.5ppm (colour)
- 8 ink cartridges
- No duplexing facility
- Not network ready
- Up to 5760 x 1440dpi print resolution
- 64KB memory buffer
- Hi-speed USB 2.0
- Dimensions: 223x615x314(HxWxD)  
457x615x737 printing
- 1 year standard warranty

### **Cannon Pixma Pro 9500**

**Price: €980 (approx)**



- A3/A4 paper size
- Up to 8ppm (black)
- Up to 8ppm (colour)
- 10 ink cartridges
- No duplexing facility
- Not network ready
- Up to 4800 x 2400dpi print resolution
- Software for professional photographers included
- Hi-speed USB 2.0
- Dimensions: 190x360x350(HxWxD)
- 1 year limited warranty

**HP Business Inkjet 2800dtn**

**Price: €1000 (approx)**



- A3/A4 paper size
- Up to 5ppm (black)
- Up to 5ppm (colour)
- 4 ink cartridges
- Duplex printing facility
- 12000 page monthly duty cycle
- Network ready
- Up to 4800 x 1200dpi print resolution
  
- 96MB memory
- 2 paper trays (250 sheets)
- Hi-speed USB 2.0 / Parallel connection
- Dimensions: 263x588x676 (HxWxD)
- 1 year limited hardware warranty

### **A3 Colour Laser Printers**

A3 colour laser printer – has the ability to produce large numbers of copies quickly. This type of printer will produce up to 40,000 copies on a single set of toner cartridges. These machines are capable of printing up to 120,000 copies per month! And so give capacity for other printing tasks beyond Design and Communication Graphics.

They tend to be physically large – typically similar in size to an under counter fridge, which may be an issue in some situations. They will typically cost from €2000 to €2500 and replacement toner cartridges can cost around €600 for a set. Some companies charge on a cost per page basis.

The following is a small sample of A3 Colour Laser printers that may be suitable along with an indicative price (including VAT).

**OKI C8600dn****Price: €1935 (approx)**

- A3/A4 paper size
- Up to 26ppm (A4 colour)/ 13ppm (A3 colour)
- Up to 32ppm (A4 mono)/17ppm (A3 mono)
- 1 black toner, 3 colour toners
- Duplex printing facility
- 75,000 page monthly duty cycle
- Network ready
- Up to 1200 x 600dpi print resolution
- 128MB memory
- 300 sheets tray capacity
  
- Hi-speed USB 2.0 & 10/100-TX Ethernet
- Dimensions: 341 x 485x 648 (HxWxD)
- 1 year next business day warranty
- Free installation by Oki or one of its authorised dealers

**Gestetner C7528n****Price: €2375(approx)**

- A3 paper size
- Up to 28ppm (A3 colour)
- Up to 32ppm (A3 mono)
- Duplex printing
- 75,000 page monthly duty cycle
- Network ready
- Up to 1200 x 1200dpi print resolution
- 733MHz CPU
- 2 x 500 sheet paper trays (additional trays optional)
- Ethernet connectivity
- Cost per print pricing
- Dimensions: 575 x 678 x 745 (WxDxH)
- 5 year on-site warranty under cost per print supplies and service agreement

**Lexmark C920dn**

**Price €2090 (approx)**



- A3/A4 paper size
- Up to 32ppm (A4 colour)
- Up to 36ppm (A4 mono)
- 1 black toner, 3 colour toners
- Duplex printing facility
- 200,000 page monthly duty cycle
- Network ready
- Up to 2400 x 2400dpi print resolution
- 256MB memory
- 550 sheets input tray, 100 sheet, multi purpose feeder
  
- Hi-speed USB 2.0, 10/100-TX Ethernet, Parallel connectivity
- Dimensions: 512 x 695x 711 (HxWxD)
- 1 year on-site repair, next business day response time.

**Any company who wishes to have another product of comparable specification listed on this site can do so by emailing an image, technical details and sample price to [dcg@t4.ie](mailto:dcg@t4.ie)**

