



PETER NORTON'S®

Introduction to Computers



- Web integrated activities
- Self-assessments to reinforce main concepts
- Online Resource:
www.mhhe.com/peternorton

 **Technology
Education**

Chapter 4B

Printing

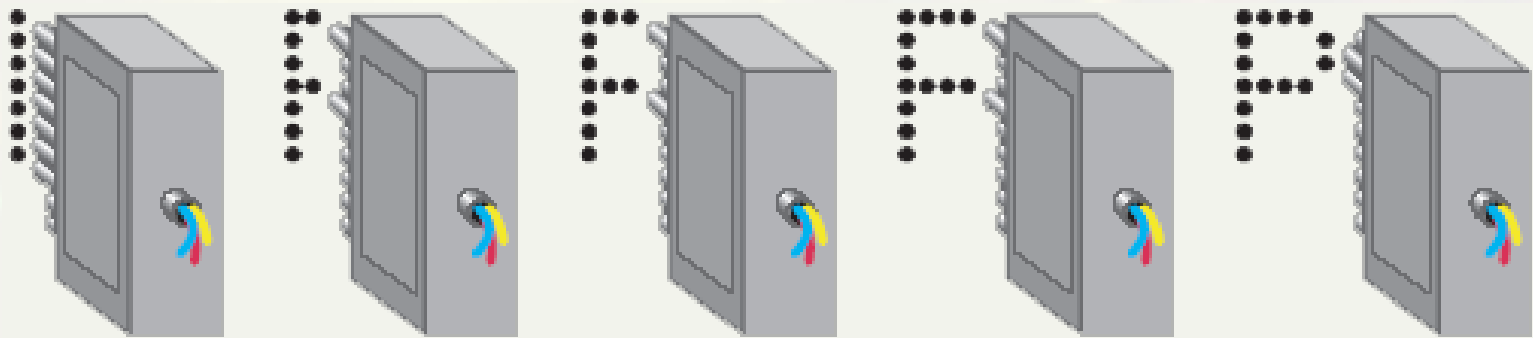
Commonly Used Printers

- Impact printers
 - Generate output by striking the paper
 - Uses an inked ribbon
- Non-impact printers
 - Use methods other than force
 - Tend to be quiet and fast

Commonly Used Printers

- Dot matrix printers
 - Impact printer
 - Used to print to multi-sheet pages
 - Print head strikes inked ribbon
 - Line printers
 - Band printers
 - Speed measured in characters per second

Dot Matrix Print Head



Commonly Used Printers

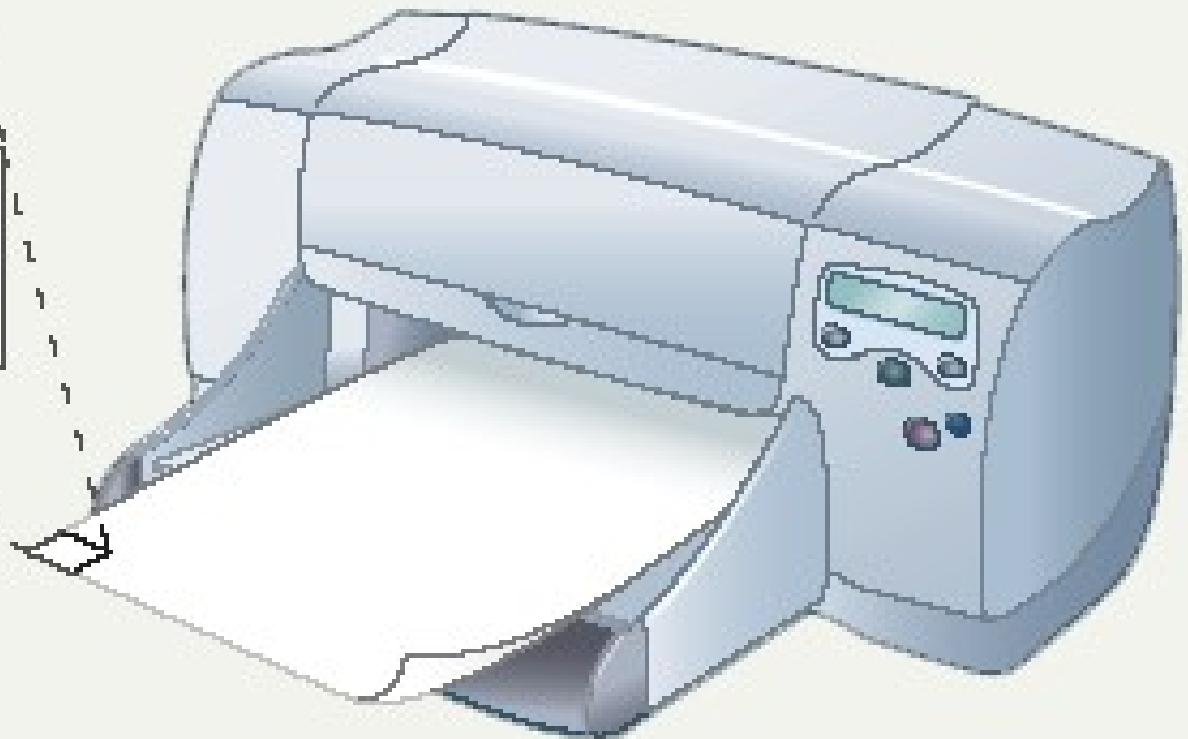
- Ink-jet printers
 - Non-impact printer
 - Inexpensive home printer
 - Color output common using CMYK
 - Cyan, magenta, yellow, black
 - Sprays ink onto paper
 - Speed measured in pages per minute
 - Quality expressed as dots per inch

Dots Per Inch

600 dots
across

600 dots
down

1 square
inch:
360,000
dots



Commonly Used Printers

- Laser printer
 - Non-impact printer
 - Produces high quality documents
 - Color or black and white
 - Print process
 - Laser draws text on page
 - Toner sticks to text
 - Toner melted to page
 - Speed measured in pages per minute
 - Quality expressed as dots per inch

Commonly Used Printers

- All-in-one peripherals
 - Scanner, copier, printer and fax
 - Popular in home offices
 - Prices are very reasonable

Comparing Printers

- Determine what you need
- Determine what you can spend
- Initial cost
- Cost of operating
- Image quality
- Speed

High-Quality Printers

- Special purpose printers
 - Used by a print shop
 - Output is professional grade
 - Prints to a variety of surfaces

High-Quality Printers

- Photo printers
 - Produces film quality pictures
 - Prints very slow
 - Prints a variety of sizes



High-Quality Printers

- Thermal wax printers
 - Produces bold color output
 - Color generated by melting wax
 - Colors do not bleed
 - Operation costs are low
 - Output is slow

High-Quality Printers

- Dye sublimation printers
 - Produces realistic output
 - Very high quality
 - Color is produced by evaporating ink
 - Operation costs are high
 - Output is very slow

High-Quality Printers

- Plotters
 - Large high quality blueprints
 - Older models draw with pens
 - Operational costs are low
 - Output is very slow



Chapter 4B

End of Chapter