Introduction to Dot Matrix Printers.

The most common and used printer is a dot matrix. Dot matrix printer utilizes metal pins to strike on ink-coated paper sheets. The resulting impression comprises tiny dots comprising a character or symbol on the page. Due to their old technology, their uses could have been improved. But still, they bounced back. There are some significant advantages and disadvantages of dot matrix printers | Benefits and Drawbacks of Dot Matrix Printers.

Advantages and Disadvantages of Dot Matrix Printers | Pros & Cons In Tabular Form

1. Dot Matrix Printers are inexpensive. The printouts are cost-effective.

2. High print speed and resolution are much faster than laser or inkjet.

3. They are reliable printers.

4. They are efficient.

5. They are flexible.

6. Dot Matrix Printers are easy to use and handle.

7. They consume less power and energy.

8. They come with built-in software to arrange the pages in proper order according to the need of the user.

9. They are durable and last longer.

10. They are portable and compact and can be transferred from location A to location B.

Disadvantages of Dot Matrix Printers.

1. The printout received from dot matrix printers is black.

2. They are slow in operation compared to their counterparts.

3. They are old fashion technology printers.

4. Dot matrix printers use an ink cartridge.

5. They are not capable of printing color images and pictures.

6. High maintenance cost.

7. Takes up a lot of space in your office or home.

8. The low print quality of printouts.

9. They make noise while printing.

10. They have more moving parts compared to their counterparts.

11. Cartridges or Toners are used for printing.

What is Dot Matrix Printers Definition

Dot matrix printers are a type of impact printer. These printers use ribbon ink for drawing on paper. They are capable of printing characters in a single instance.

They have a head that slides right to the left and left to right for printing.

The dot matrix printer was first introduced by I.B.M. [International Business Machine] in 1957. In this modern technology world, the use of dot matrix printers is limited, as they are designed and developed with the help and assistance of old fashion technology.

The dot matrix printer cannot provide high-quality outputs.

Dot matrix printers are also known as line printing. They are inexpensive and capable of printing continuously.

Dot matrix printers use a series of pins that strike against an ink-filled pad under pressure from a small spring-loaded cylinder (called the "hammer"). The pattern made by this striking process creates dots on the paper — hence the name "dot matrix" printer.

These printers are inexpensive, affordable, portable, and reliable. They can handle substantial printing jobs and tasks with speed and accuracy.

Working on Dot Matrix Printers

Dot matrix printers were used in small offices for printing tickets and invoices in the early days since their incredible features and characteristics were prevalent in private and government offices.

Latest dot matrix printers can be connected to desktop computers, laptops, and mobile phones using parallel ports, USB, and wireless technology.

Dot matrices still need to be updated with modern technology. They are used and utilized for bulk printouts.

The working and handling of operations in dot matrix printers are straightforward, to handle.

A print head-It is used for printing the text on paper. It consists of a moving arm with many small holes, which a stepper motor can move up and down (see below).

In addition to moving up and down, each hole in the print head has two sides that can be opened or closed depending on what type of material needs to go through.

A dot matrix printer moves a set of pins in an X-Y plane. A dot matrix printer is a type of printer that uses a series of hooks to create "dots" on paper.

Uses of Dot Matrix Printers

The Dot Matrix Printers are used in the following sectors. The Dot Matrix Printers are used in industries where continuous printouts are required in bulk quantity.

1. Railways.

2. Banks.

3. Electricity Bills.

4. Regional Transport Office [R.T.O.].

5. Auto Spare Parts.

6. Courier Deliveries.

7. Colleges.

8. Schools.

Examples of Dot Matrix Printers

1. EPSON LX-310 Single Function

2. TVS MSP 250 STAR Single Function

3. EPSON LQ-1310 Single Function

4. T.V.S. HD 250 Gold Single Function

5. TVS MSP 345 Single Function

6. TVS MSP 245 Single Function

Different Types of Printers

There are two types of printers they are.

1. Impact Printers.

2. Non-Impact Printers.

Examples of Impact Printers are Dot Matrix, Daisy Wheel, & Line Printers or character printers.

Non-Impact Printers include inkjet printers, laser printers, thermal printers, portable printers, etc.

Famous Impact Printer Manufacturer

1. Hewlett Packard [HP]

2. Canon.

3. Epson.

4. Brother.

5. Sharp.

6. Lexmark.

7. Panasonic.

8. Kodak.

Dot Matrix Printer Input or Output Device

Dot Matrix Printer is an Output Device.

Frequently Asked Questions [FAQ] Dot Matrix Printers Advantages & Disadvantages

What are dot matrix printers called?

Impact matrix printer.

Who invented the dot matrix printer?

Robert Howard invented the dot matrix developed.

Who developed the dot matrix?

Fritz Karl Preikschat.

What are the components of a dot matrix printer?

Dots, hammer, and the ink ribbon.

What Colour does the dot matrix printer print in?

Black in Colour.

How many types are printers?

There are two types of printers.

Impact Printers.

Non-Impact Printers.

Can dot matrix printers print images?

Dot Matrix Printers can print images that are in black.

For more information please do visit

https://www.chtips.com/computer-fundamentals/advantages-and-disadvantages-of-dot-matrix-printers/