

ENT600

TECHNOLOGY BLUEPRINT



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UNIVERSITI
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MALAYSIA

TECHNOLOGY BLUEPRINT TITLE (PEN PRINTER)

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COMPANY'S LOGO



CHAPTER 1

1.0 PRODUCT DESCRIPTION

1.1 Introduction

Most tasks and works in our daily life involve processes that using hard copy in order to complete them. The term of 'hard copy' meaning a printed version on paper consisting information in variety of forms such as words and pictures related to the tasks that been done. Hence, tasks or works in the form of hard copy has becoming among our daily life need. Due to this, there is definitely no doubt about the importance in having a printing device specifically design to meet our daily life need. To have a printing device that are light in weight, portable and easy to carry everywhere can be among desired characteristics of an ideal printer. By taking these factors, our company, the NeoScan Sdn Bhd, had chosen a product that we believe can improve work's efficiency related with printing processes. The product is Pen Printer. This type of product suitable with those having daily works related with the use of hard copy forms such as the students and the office workers.

1.2 Purpose of Development

The purpose of the product development are:

- To produce a portable printing device that is light-weighted, compact-sized and easy to carry everywhere.
- To produce a printing device that using pen as a source of ink which indirectly helps in saving cost for buying printing's ink.

1.3 Product Concept

- For students or office workers that always in need to do printing processes.

1.4 Application

The application of Pen Printer resolves around printing process that can be do done in different places as it is portable and light-weighted.

1.4.1 Functions

- o The one power button – the button is used to start and off the Pen Printer. Furthermore, it is also used in printing processes such as controlling the speed in printing process.

1.5 Unique Features

The uniqueness of the product for availability in Malaysia market consists of:

- This printer are portable and light-weighted which make it easy to carry around.
- Using pen's ink as the ink source.
- Using USB cable as the power supply.

1.5.1 Picture Description

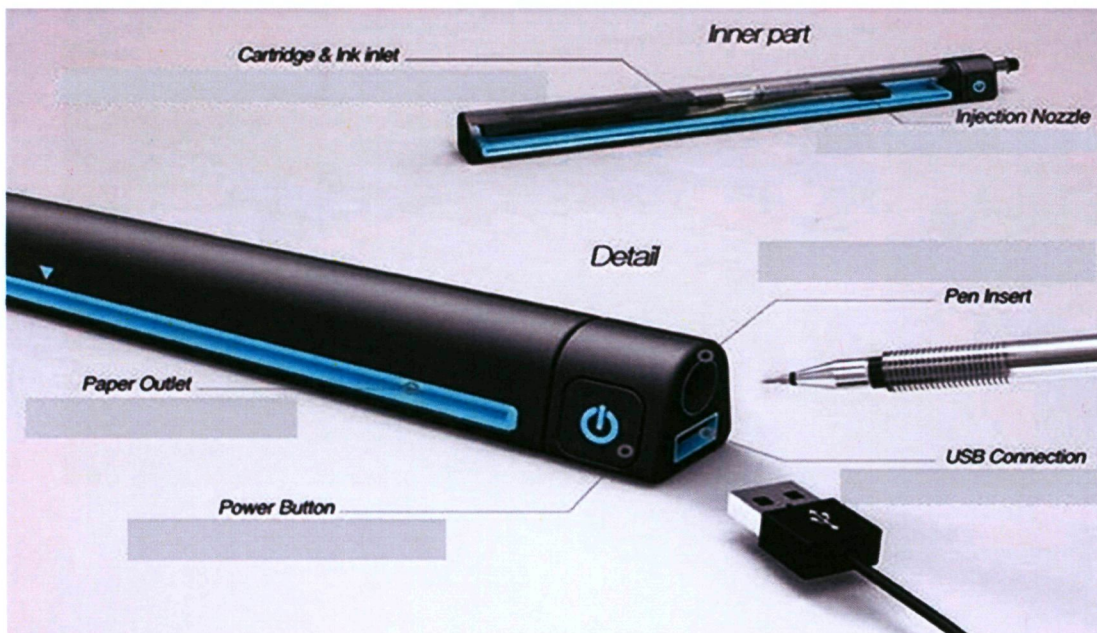


Figure 1: Pen Printer Design

From the Figure 1 above, this Pen Printer consists of the one power button functioned as the start and off button. It has the USB port as it use USB cable for the power supply. The pen insert as the place for inserting pen for which the ink will be extracted out to be used as the printer's source of ink.