

Subject	Specifications
Project Name	National Automation Printers
Reference	Consumables and Servicing



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## Contents

<b>1</b>	<b>INTRODUCTION .....</b>	<b>3</b>
1.1	Purpose of document .....	3
1.2	Specifications .....	3
1.3	Delivery Lead Time.....	4
1.4	Signatures.....	<b>Error! Bookmark not defined.</b>

## 1 Introduction

The South African Post Office sorting machines make use of the Image printers to bar code the mail volumes that get processed on the final sorting machines in order to meet and maintain the delivery standards through the reduction of manual sortation.

### 1.1 Purpose of document

The purpose of this document is to document the technical specifications of the 9030 inkjet printers ink modules, the 9030 inkjet printers consumables and Servicing of the printers for the letter Integrated reader video (IRV) sorting machines

### 1.2 Specifications

#### 1.2.1 9030 Image printer Ink Module Specifications

Ink module type: IC60, Nine Solenoid Electrovalve in the ink circuit

and Five Solenoid Electrovalve in the Print head

#### 1.2.2 Quantities

Five (5) 9030 printer Ink Circuit to be serviced and repaired

#### 1.2.3 Water base printer consumables Specifications

Description	Ink	Solvent	Cleaner	Test method
Physical state:	Liquid	Liquid	Liquid	N/A
Colour:	Magenta	Orange fluorescent	Colourless	N/A
Odour:	Like Solvent	Like Solvent	Like Solvent	N/A
Cartridge	0.8 Liter	0.8 Liter	0.8 Liter	N/A
pH-Value (at 20°C):	9,2 - 9,6	Not Determined	10,5 - 11,5	DIN 19268
<b>Changes in the Physical state</b>				
Initial boiling point and range:	100 - 110°C	100 - 110°C	100 - 110°C	DIN 51751
Flash point:	104 °C	88 °C	67 °C	DIN 51755
<b>Explosive properties</b>				
Lower explosion limits:				DIN 51649
Upper explosion limits:				DIN 51649
Ignition temperature:				DIN 51794
Vapour pressure (at 20°C):	23 hPa	23 hPa	23 hPa	DIN 51754
Density (at 20°C):	1,027-1,030 g/cm <sup>3</sup>	0,990-0,995 g/cm <sup>3</sup>	0,978-0,981 g/cm <sup>3</sup>	ISO 2811
<b>Solubility in other Solvents</b>				
Viscosity / dynamic:(at 20°C):	6,4 - 6,6 mPa·s	1 mPa·s	1 mPa·s	DIN 53019

#### **1.2.4 Quantities**

Twelve ( 12 ) Ink Solution, Thirty ( 30 ) Solvent Solution and Nine ( 09 ) Cleaning Solution required.

#### **1.3 Delivery Lead Time**

The successful service provider should deliver required quantities in four week's time after receiving the purchase order. The bidder must provide confirmation letter on the bidder's letterhead confirming that they will meet the lead time.