



**TECHNOLOGICAL AND INDUSTRIAL SOLUTIONS**

## ■ HRP r3 RANGE

- High Resolution Printer for cardboard, wood, pallets, textile, bags....

# TIFLEX

\* marquer le monde



**MARKING IDENTIFICATION, CODING**



\* making an impression

# HRP 1000 r3 printer

## Very High Resolution



**Economy**  
**Efficiency**  
**Reliability**

**touch screen**  
**10,4"**

**For your traceability : texts, graphics,  
barcodes GS1 128 and Datamatrix**

**Printing heights  
50, 70, 100, 140 and 200 mm**



## **Printing quality and performance**

Texts (Unicode) variable datas ( batch, time, counter, shift codes ...),  
barcodes (ITF 14, GS1 128, Datamatrix, etc, ...)  
perfectly readable and in compliance with GS1  
recommandations :

- High contrast ink
- Maxi printing speed of 100 m/mm
- Message length up to 5 m



Membre



Le programme offreurs de solutions de GS1 France

2010



## HRP 1000 r3 is available in two versions :

### "First"

#### For a *stand alone* installation

- user friendly interface on 10,4" touchscreen
- easy and fast installation
- communication with packaging machines or PLC through serial port or I/O



### "Upper"

#### Solution to interface your database with the printers

- network installation or serial link



# Characteristics

|                            | HRP 700  | HRP 500   | HRP 1000   |
|----------------------------|--|---|--|
| SYSTEM SETUP               | 1 GHz Processor– 256 Mo SDRAM PCI Bus.<br>Internal or external encoder<br>3 m ombilic as standard, up to 30 m option, (distance controller/printstation) .   |   |  |
|                            | Maximum print length 1,30m<br>for a horizontal resolution of 200dpi.   | Maximum print length 5,20 m<br>for a horizontal resolution of 300 dpi.  | Maximum print length 2,60 m<br>for a horizontal resolution of 300 dpi. |
| SYSTEM SETUP               | 1 to 4 printheads 70 mm per controller.  | 1 to 4 printheads 50 mm per controller.   | 1 to 4 printheads 100 mm per controller.                               |
| PRINTHEAD                  | <p><b>Vertical resolution 180 dpi.</b><br/> <b>Horizontal resolution from 50 to 200 dpi.</b><br/> <b>Distance printhead /carton : 1 mm.</b><br/> <b>Detection photocell (beam length adjustable up to 60 cm).</b><br/> <b>30 m/mn for a horizontal resolution of 200 dpi,</b><br/> <b>up to 60 m/mn at 100 dpi.</b></p>  | <p>Vertical resolution 64 dpi.<br/> Horizontal resolution from 50 to 300 dpi.<br/> <b>Automatic purge system .</b><br/> Distance printhead/carton: 3 mm.<br/> Detection photocell (beam length adjustable up to 60 cm).<br/> Recovery of purged ink .<br/> 60 m/mn for a horizontal resolution of 200 dpi.<br/> Up to 100 m/mn at 100 dpi</p> |  |
| USER INTERFACE             | <p><b>Touch screen TFT 10,4”.</b><br/> <b>«Dynamics» software for print management, creation of configuration and messages, Windows® XPE.</b><br/> <b>Messages with fixed values, time, counters, shift codes, line numbers, graphics (BMP and JPEG),</b><br/> <b>barcodes (EAN8, EAN13, GS1-128, DATAMATRIX, ITF14, UPCA, UPCE, 2/5 interleaved, CODE39 full ascii, CODE128)</b><br/> <b>and geometric shapes (rectangle, line and circle).</b><br/> <b>Messages in XML format.</b><br/> <b>Windows,® True Type and Unicode fonts.</b><br/> <b>Import and Export of messages, settings, graphics and fonts by USB ports.</b><br/> <b>High capacity hard disk.</b></p> |   |  |
| CONSUMABLES                | <p><b>High contrast ink, packaged in 500 ml, cleaner of printing plates.</b><br/> Sticks and cleaning paste. Wipe cleaner for the print head.</p>  |   |  |
| OUTPUT NETWORK CONNECTIONS | <p>Serial RS 232, Ethernet. USB port for import/export of graphic and messages.<br/> 16 inputs / outputs in 5 V.<br/> Alarm controller at 12 V - 10 W.<br/> Controlling the execution of the printing process by entries in 12 V.</p>  |   |  |
| ENVIRONMENT                | <p>Mains supply 115/230 V, 50-60 Hz.<br/> <b>CEM certification and safety.</b><br/> Operating temperature from 10 to 45 °C.<br/> Relative humidity (non condensing) 10 to 90 %.<br/> IP 52,other IP versions on request</p>  |   |  |

## Print head from 50 to 400 mm

Mono : 1 print station 500 or 700 or 1000, a message for a print station or a message for two related print stations (version 2000)

Duo : 2 mono print stations, two messages for two to four print stations (Duo version 2000)

Mixing up to 4 print heads, 4 x 50 mm to 4 x 100 mm of height writing

Programmable automatic cleaning with ink recovery, ensuring consistent quality of printing

HRP 500, printing height 50 mm, automatic cleaning



HRP 700, printing height 70 mm



HRP 1000, printing height 100 mm, automatic cleaning



PEPITAS CHOCO 123  
 160 LES CERQUEUX

0075 (17) 060323 (10) 022710400045

J TIFLEX  
 09  
 SUPERIEUR  
 LE AU CHATEAU

Produit:  
**HRP 1000**

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Caractéristique:  
**Très Haute Résolution**

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044748509851

## Scantrue II ink for porous substrates

Oil-based pigment black ink, non-toxic, without solvent, odorless for bar-codes printing

## V400 inks for coated cartons, varnished cartons with blank

Oil-based black ink, non-toxic, without solvent, fast drying

## SP 128 Ink

Oil-based black ink (colours on request), non-toxic, without solvent

## Accessories

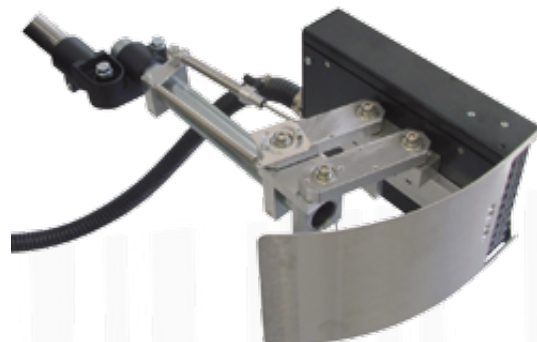
Barcode scanner



Visual and sound alarm



Pantograph printhead adaptor to optimize the positioning printhead/carton



Shaft encoder



Inline barcode scanner



Micrometric stand



Standard stand





# THEY TRUST US

BACARDI, CADBURY ADAMS, CHAPOUTIER, FRUITÉ, JANSSEN-CILAG,  
KAWASUMI LABORATORIES, LACTALIS, LEGRAND, LESIEUR,  
MÉRIAL, PASQUIER, PERRIER, PIPER-HEIDSIECK, ROYAL CANIN,  
TUPPERWARE, WRIGLEY ...

## *Customer service*

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## *Training*

TIFLEX proposes trainings for all equipments in its training center.

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**Any specific development on demand.**