



HRP R4

High resolution inkjet printer

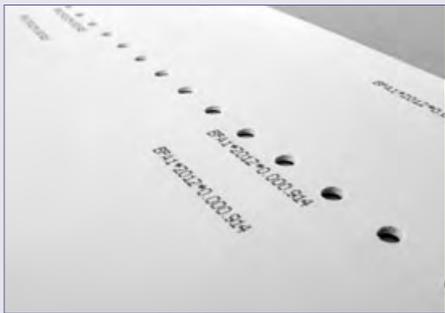
- Efficient and reliable
- Versatile
- Userfriendly and easy to use
- Best price for value

Areas of application:

Food, Cosmetics, Pharmaceuticals, Industry, Packaging

Substrates and types of printing

High resolution barcodes, 2D codes, texts, logos, on paper, carton, wood, textiles,...



R4

Marking Identification Coding

Applications

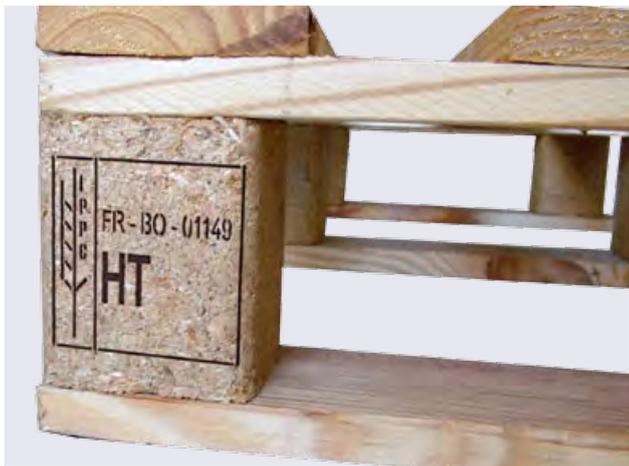


Marking of cartons for the food industry

For high-resolution printing of texts, logos, to barcodes or 2D codes on a height of 100mm, the HRP R4 printer is the most complete solution on the market. HRP allows indelibly mark the cardboard boxes and guarantee thus ensuring flawless traceability of secondary packaging throughout their lifetime.

Marking of cartons for chemical or pharmaceutical applications

The HRP printer in its two-colour version is capable of to carry out high-resolution marking in 2 colours with only one piece of equipment. This opens up many possibilities development prospects for our customers in the chemistry or pharmaceuticals sectors for the marking of CLP logos directly on the cardboard boxes without having to use paper labels.



Wood marking and pallet identification

Thanks to its direct inkjet printing technology, HRP R4 can be used to personalize wooden packaging (boxes) with a high definition logo or denomination, but also to ensure the sanitary traceability of pallets by the NIMP 15 logo marking.

Bags marking

The regulations require that seed bags must be marked with a number of references to ensure their traceability. They can also be customized with a logo or commercial mention. For this reason HRP R4 is an economical and rewarding solution for seed producers.



Solutions



A new standalone, faster printing station

- HRP R4's print head is 25% faster than the previous generation, while at the same time proposing a better contrast at printing (+15%) which guarantees a perfect barcode marking. Distance more important headboard will facilitate integration on production lines. Finally, the new function of automatic recycling by avoiding purging allows for an automatic 15% ink saving.
- The HRP R4 printing station is self-contained and can be equipped to operate alone, once parameterized thanks to the interface of your choice (PC, tablet, panel PC,...).

Software solution with simplified interface

HRP R4 also inaugurates a brand new software solution, including a control interface of the following «Smartphone» type developed by Tiflex which allows the operator to devote a minimum of time to use of the printer and facilitates communication

The software brick design of our Ockham 3.0 system allows a multitude of customizable applications according to your needs.



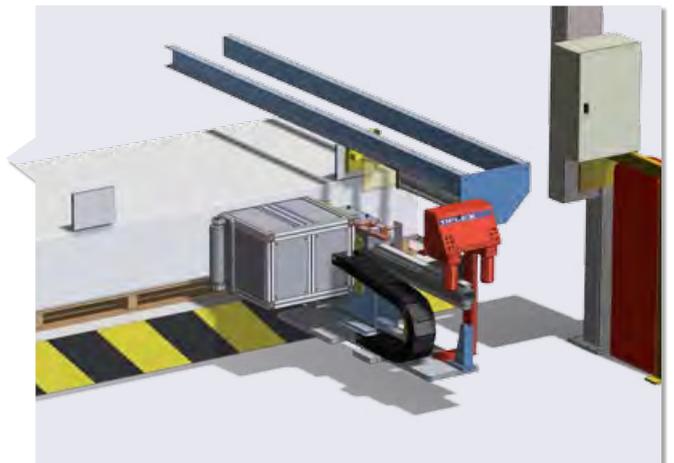
Ink supply by secured cartridges

- Thanks to the secure ink cartridges, more than risk of error, handling without waste nor dirt, ideal in an food environment.
- In addition, for its HRP range, Tiflex has designed inks on demand:
 - Environmentally friendly inks (without mineral oils)
 - Secure anti-counterfeiting inks
 - Food inks
 - Custom colours (on Pantone® or RAL basis)



Tailor-made solutions

Together we develop customized solutions adapted to your needs, which meet your requirements. Our range of products and their performance allows you to consider a wide variety of marking applications. The solutions from Tiflex make it easy to mount and allow you to save a lot of time and money.



Technical characteristics

	HRP R4 700 (under development)	HRP R4 500	HRP R4 1000
SYSTEM CONFIGURATION	Processor ARM Cortex A9 800 MHz - Memory 256 Mo - Storage 4 Go (SD) Internal tachometer with integrated double detection cell for auto-configuration functions (speed, product direction...) External tachometer for barcode printing		
PRINT HEAD	70 mm	50 mm	100 mm
PRINT HEAD AND MARKING AREA	Printing length up to 10 meters thanks to the layer system (8 x 1.25 m)		
	Vertical resolution 180 dpi Horizontal resolution 50 to 200 dpi. 4 gray levels available Head-carton distance 1 mm. Detector cell (beam length adjustable up to 60 cm). Print speed up to 140 m/min.	Vertical resolution 64 dpi (barcodes). Horizontal resolution 50 to 300 dpi. Automatic purge system Head-carton distance 1 to 5 mm Recovery & recycling of purge ink Print speed up to 200 m/min.	
USER INTERFACE	Ockham 3.0 software solution for message creation and printer monitoring User interface on PC, tablet or 10 inches PC panel optional (Windows environment). Messages with fixed values, time stamps, counters, shift codes, line numbers, graphics (BMP and JPEG formats), barcodes (EAN13, GS1-128, DATAMATRIX, QR CODE, ITF14, CODE39, CODE128,...) and geometrical shapes XML message format Windows® TrueType fonts Unicode printing Import and Export functions for messages, configurations, graphics and fonts via USB ports and network links		
CONSUMABLES	OIL-BASED SOLVENT-FREE INK, MINERAL OILS FREE High-contrast inks packaged in 220 ml cartridges, secured by an electronic chip. Cleaning sticks, print head cleaning cloths		
NETWORK CONNECTION OUTPUTS	Ethernet, TCP/IP, Modbus, USB Port for import/export of messages and graphics RS 232 serial link, inputs TOR 24 V (optional) via dedicated PLC Optional Wifi via an external router Communication protocols for packaging machines		
ENVIRONMENT	Printing station: dimensions 407 x 140 x 195.2 mm. Weight 7.5 kg Main supply 115/230 V, 50-60 Hz EMC and safety certification Operating temperature 10 to 40 °C. Relative humidity (non-condensing) 10 to 90 %. Protection class IP42 (print station), IP 65 (PC panel)		
OPTIONS	10" Industrial PC panel Light alarm Barcode reader External tachometer (encoder wheel) Support foot Cleaning products USB shower head Barrier cell with cable and fastening RS 232 serial link, 24 V digital inputs		



CS 30200 - 01450 PONCIN
 France - Tél. +33 (0) 4 74 37 33 55 - Fax +33 (0) 4 74 37 33 21 - mic@tiflex.fr
 International - Tél. +33 (0) 4 74 37 33 80/97 - Fax +33 (0) 4 74 37 33 62
 international@tiflex.fr
www.tiflex.com

