

INKTester Seedex Rigenera



Seedex s.r.l.

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Cap.Soc. € 51.020,41 i.v. - P.IVA e Cod.Fisc. 03347160362 - <http://www.seedex.it> - e-mail: mail@seedex.it

Product features

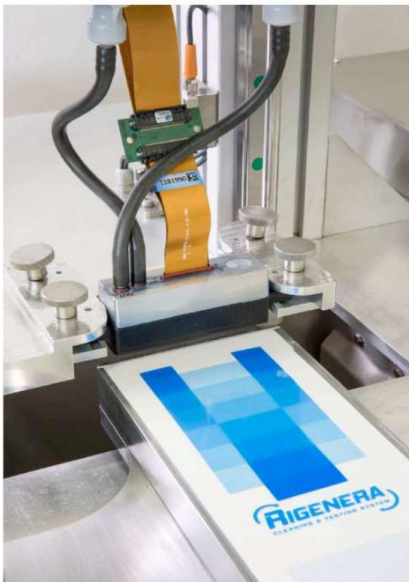
The INKtester RIGENERA is a printing system able to use 2 different type of printheads, choosing between XAAR 1002/1003, DIMATIX Starfire 1024 and SEIKO Rc1536 printheads.

The unit is equipped with 1x Printing module, where 1x printhead can be installed at the same time.

According to the model of the printhead, the INK tester can print with the following width:

- XAAR 1002/1003: 70mm
- DIMATIX SF1024: 65mm
- SEIKO Rc1536: 108mm

The maximum printing speed is 20 mt/min, adjustable using the SOFTWARE installed on the PC. The standard configuration is equipped with n.1 printing module with n.2 electronic drivers for, to be able to print with two different type of printhead.



Printing phase with XAAR module



Printing phase with DIMATIX module

Technical features of the standard version

- Designed to test inks and test different waveforms
- Same structure of the RIGENERA system but
 - o Painted steel RAL colour base 1250x800mm
 - o Single printing module
- Z-axis adjustable printing module, with manual movement.
 - o Removable support plate to switch between different printheads
- Manual support plate, with encoder
- Printing software: SMARTJET RIGENERA TEST
- PC Windows 10 PRO, monitor TOUCH 23"
- The unit is supplied WITHOUT any printhead

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Functional features

- Power supply: 230Vac 50Hz
- Maximum power: 2kW
- Weight: 300Kg
- Pneumatic air: 4 bars minimum

Printing features

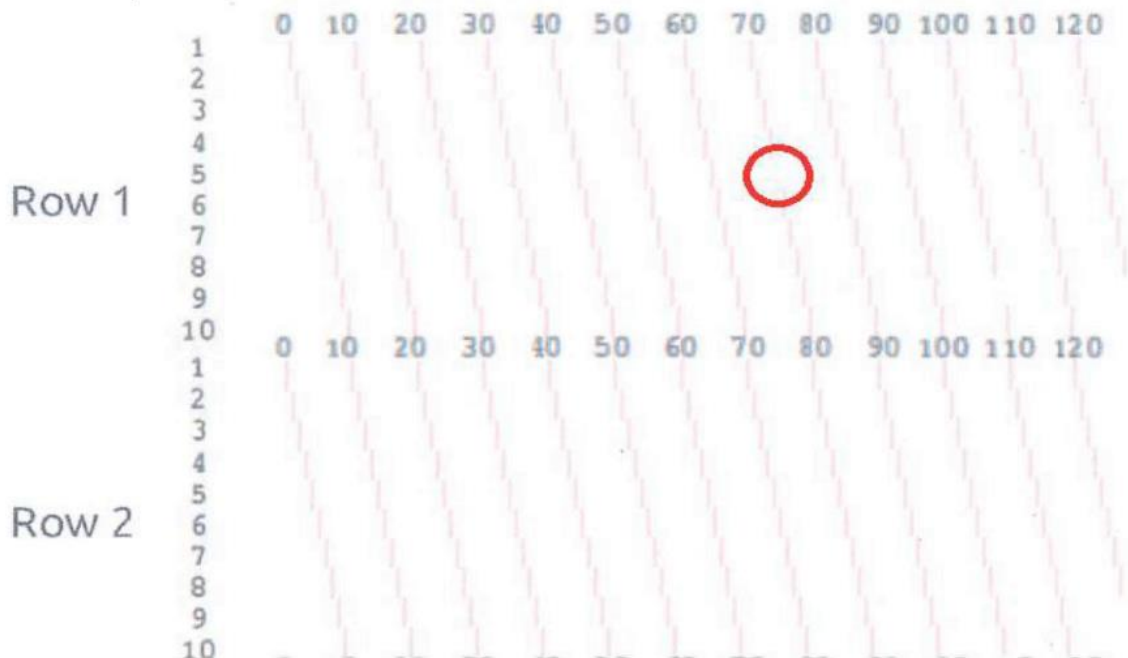
The unit is able to print in greyscale mode as a fully-featured industrial printer. The user will be able to use its own ink (Ceramic INK) using its own waveforms and print pattern. While the width of the print sample is limited by the width of the printhead, the length is virtually limited by the length of the manual movable support plate.

Advanced testing capabilities

RIGENERA™ has a built-in electronics printing dedicated testing patterns. These patterns show to the operators the printing quality of the printing heads. There are different possibilities:

- **Single nozzle test**
 - o During the printing process, RIGENERA™ fill the printhead with a TEST-INK and print a pre-loaded pattern. The operator can check every single nozzle independently
- **FULL-field printing test**
 - o RIGENERA™ can also print a FULL-field pattern using all the nozzles at the same time.

Example of a test pattern using the single-nozzle pattern. It is possible to detect which nozzle is not working. In the picture below, the nozzle #75 is not working. In this case, the printhead can be cleaned a second time and tested again, without the need to disinstall the printhead from its holder.



The photos in this presentation are for demonstration purposes only, the delivered machine may differ slightly in appearance

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