



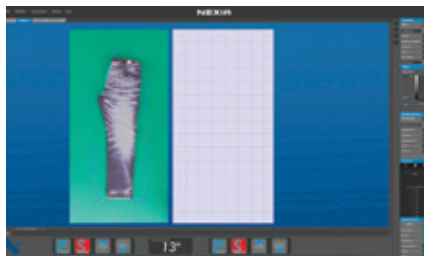
The Nexia laser marking system

NRay

NRay® app

The laser marking application by Nexia

Nexia's laser technology develops around dedicated applications. The plugins "ESM" and "RVM" immediately confirm state-of-the-art solutions, the first of which aligns technology with ecological and with production-time considerations. The second plug-in allows for a new marking system which reproduces that vintage effect so desired by consumers.



■ Configurations:

There are four configurations in operation – the table laser machine for laboratories, single conveyor belt, double conveyor belt and the mannequin, all of which are able to cover any type of production need

■ Camera:

Thanks to an in-built camera, garments can be scanned and viewed for the correct position required when marking material.

■ Projector:

The use of a projector helps in the positioning of garments to be marked. Mistakes can also be avoided as, by way of inserting various information with the software.

■ ESM energy save mode

This software system considerably reduces energy consumption, simultaneously halving the amount of time taken to mark material.

■ RVM (Real Vintage Mode):

This is a revolutionary marking mode, able to replicate the natural texture of denim to the point of absolute realism.

■ Preloaded shading:

This application has the mapping of preloaded, optimized contrasts for most denim materials. It can separately manage the power mappings for every single file.

■ Filters for rapid contrasts:

The contrast and management of filters is rapid using the available set-ups with just a click.

■ Automation:

The integration of NEXIAMARK with automation, developed within NEXIA's laboratories, not only permits the use of software for marking while the machine is producing but is additionally able to simultaneously produce samples, as if there were two distinct machines.

■ Edit Mode Photoshop:

This software is both dedicated to creating and executing. The editing section can be installed anywhere and is directly integrated with photoshop.

■ Integrated Warp:

Warp is a powerful tool used for adapting sizing in a simple and quick manner. It is also used for modifying the forms of whiskers with the same ductility!

Available in 4 types of models:

Nray^{1/T}

Nray^{2 compact}

Nray^{2/m}

Nray⁴

NRay4 is a new high performance last generation marking machine equipped with a new high speed scanning head. Special effects can be reproduced such as customized designs, images, brands,

whiskers and sandblasting effects both on ready finished. Garments in denim and fabric. Nray4 works with high speed and excellents performance.

Double source system

NRay⁴

vertical laser source

X2
double conveyor belt

horizontal laser source

X2
double mannequin



■ Two individual 600 watt nominal power laser source each

■ Automatic movement of the laser source on the conveyor belt .

■ Marking Area 1=1600 x 1600 mm.

■ Marking Area 2= 1300 x 1300 mm hd.

■ Double Conveyor Belt = 1600 x 4500 mm.

■ Rotating group with two mannequins.

■ Protection System for the worker in each working area

■ Independent suction system.

■ Independent operating system.

■ Independent laser source cooling system.

■ Independent Video Device.

vertical
laser
source



X2
independent and
simultaneous
double belt system

- Nominal Power available: 350 Watt and 600 watt.
- Automatic movement of the laser source from top to bottom.
- Marking 1 = 1600 x 1600 mm.

High productivity system

NRay²compact



- Marking 2 = 1300 x 1300 mm high definition.
- Double Conveyor belt 800 x 4500 mm. with independent or simultaneous handling.
- Unloading belt.
- Scanner Head positioned on the loading
- High definition camera positioned inside the structure with lighting .
- Fume auction system complete with electric fan.
- Operating System.
- Laser source cooling system.
- PC touchscreen.



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