NOVA PROTINUS DOP

Thermal negative processless offset plate

The Nova Protinus DOP processless offset plate is a pioneering green printing product that eliminates the need for post-exposure processing. This plate can be directly put on press after exposure, making it a highly efficient and environmentally friendly choice for modern printing needs.

FAST DEVELOPMENT PERFORMANCE

On-press development of the Nova Protinus DOP plate is swift and reliable, with excellent development latitude. This feature ensures a rapid ink-water balance, reduces the amount of over-plate paper needed, and improves overall print quality and efficiency.

HIGH SENSITIVITY & HIGH EFFICIENCY

With a sensitivity of up to 120mJ/cm^2, the Nova Protinus DOP plate offers faster plate-making speeds. The elimination of the development step shortens the plate-making cycle, further enhancing efficiency and productivity.

EXCELLENT CONTRAST

The Nova Protinus DOP plate provides high contrast during plate making, resulting in clear and visually distinct graphics after exposure. This clarity allows users to see even the most subtle details, facilitating easier automation and quality control in the printing process.

GOOD SCRATCH RESISTANCE LONG RUN LENGTH

Constructed with a robust base and coating, the Nova Protinus DOP plate exhibits superior scratch resistance and can withstand long print runs. This durability makes it suitable for both medium and long printing tasks, providing consistent performance throughout.

EASY TRANSITION

Existing plates can be effortlessly upgraded from plates with chemical development to Nova Protinus DOP without purchasing new equipment or altering the current workflow. This plate allows for plate-making operations in a bright room and can be safely handled under fluorescent lamps, making it highly user-friendly and easy to integrate.

SUSTAINABILITY AND ENVIRONMENT

The processless nature of the Nova Protinus DOP plate reduces pre-printing water and cleaning water consumption. It also lowers the energy usage of processing machines, minimizes waste generation during development, and addresses waste disposal issues, contributing to significant energy savings and reduced environmental impact.

COST REDUCTION & EFFICIENCY IMPROVEMENT

By eliminating the need for plate processing, the Nova Protinus DOP plate cuts down on water, energy, and time consumption, as well as space and equipment costs. It reduces labor and maintenance expenses and decreases the costs associated with waste fluid treatment.

In summary, the Nova Protinus DOP Processless Thermal CTP Plate offers a combination of high performance, durability, and environmental benefits. Its innovative design and ease of use make it an ideal choice for printers seeking to enhance efficiency, reduce costs, and adopt more sustainable practices.

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GRAPHIC PRODUCTS

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Technical specifications

Plate	Non-ablative, negative thermal Plate
Application	High quality run sheet fed, heat set web, offset packing (non UV) and short-run UV application
Plate substrate	Electrochemically grained and anodized aluminum
Plate thickness	0,15 & 0,30 mm
Spectral sensitivity	830 nm
CTP compatibility	All common thermal platesetters
Laserpower	110 - 130 mJ/cm2 depending on CTP configuration
Resolution	1 - 99% @ 200 lpi
FM	20 micron stochastic depending on CTP configuration
Light sensitivity	2 hour under daylight lamp without natural light, or 24 hours under yellow light
Shelf life	10 months, under recommended storage conditions
Storage conditions	Temperature: 18-24°C, RH: 30-50%
Print runs	• Print runs up to 100.000 prints for sheedfet presses* • Print runs up to 20.000 prints with UV or LED UV* • Print runs up to 50.000 prints for offset packaging (NON-UV)*

** Dependent upon image resolution, press, press chemical, ink and paper conditions.*

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