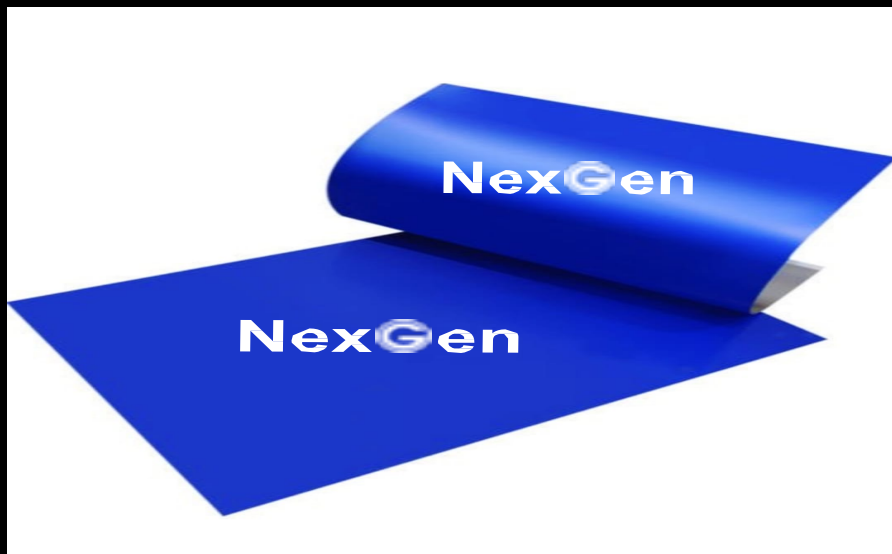


NexGen

DIGITAL PRINTING PLATES- THERMAL

ORIENT | THE PRINTERS HOUSE

NEXGEN - T is the most robust thermal digital plate used for high-end long-run printing applications. It is designed for high-resolution, extra long-runs without baking and unmatched in its UV-ink run-length capability.



FEATURES & BENEFITS:

Ideally suited for long-run UV-ink printing without post-baking

Fully compatible with alcohol-free founts; enables to “Go Green” without the fear of plate failures

Accredited for use with all the leading brands of thermal platesetters & processors

Storage & Handling

10°C – 25°C; 30% to 70% RH. If the storage temperature differs significantly from plate room temperature.

Recommended conditions

Operating temperatures 23°C ($\pm 2^{\circ}\text{C}$); 40% to 70% RH.

Shelf-life

24 months (from date of manufacturing) under recommended storage conditions

PRODUCTS SPECIFICATIONS

Plate Type Thermally exposed, positive digital plate for sheet and web offset presses

Coating : Two-layer system, infrared sensitive, positive-acting

Gauge (mm): 0.20, 0.28, 0.30

Spectral Sensitivity : 830 nm

Exposure Energy: 100-120 mJ / cm²

Resolution : 1%-99% dot resolution at 200 lpi screen; 280 lpi hybrid and FM capable

Image Color - Blue

Processing Steps Conventional wet processing using recommended plate developer

Replenishment Rate : 80 - 100 ml/m² with recommended plate replenisher
(depending on usage)

Run-length-

250,000+ impressions without baking; 100,000+ impressions using UV-inks (actual run-length may vary depending on press conditions and ink & paper quality)

Room Illumination-

Office light (avoid daylight and direct sunlight on plate)

Machine Processing -

Thermal Developer & Replenisher (Ready-to-use)

Finishers

Nexgen Pro gum or any other reputed processor gum

Plate Cleaner

Nexgen Plate Cleaners

Fountain Solution

Compatible with all fountain solutions from Nexgen

Press Wash

Compatible with all recommended washes from Nexgen

Press Care

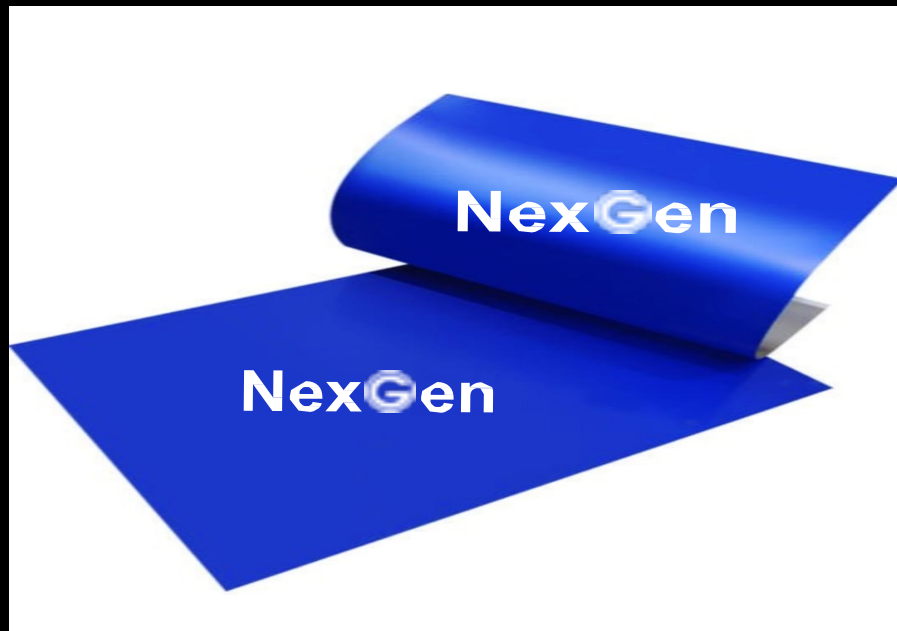
Compatible with all recommended presscare solutions

NexGen

UV-CTCP PRINTING PLATES

ORIENT | THE PRINTERS HOUSE

NEXGEN - CT is the most robust UV -CTCP positive working digital plate used for high-end long-run printing applications world wide. It is designed for high-resolution, extra long-runs without baking and unmatched in its UV-ink run-length capability with baking.



FEATURES & BENEFITS:

Computerized Laser Inspection System ensures supply of zero-defect plates

High-resolution holds even the sharpest line or the smallest dots

Wide exposure and processing latitude to ensure consistent image quality and press runs.

Storage & Handling

Unexposed plates must be stored in the original pack in a cool & dry environment.

Recommended conditions : 20°C-25°C, upto 70% RH.

Shelf-life

For optimum results use prior to the "best before date" specified on the pack label.

PRODUCTS SPECIFICATIONS

Plate Type Positive-working

Substrate Litho-grade aluminium, electrochemically grained and anodised

Gauge (mm) 0.20, 0.28 & 0.30

Width (mm) 1500

Safe light Yellow

Spectral Sensitivity 360 - 420 nm

Recommended Ugra Clear 2

Recommended Stouffer Clear 3

Resolution **2% - 98 % dot resolution at 175 lpi screen**

Image Color **Blue**

Run-length **Up to 150,000 impressions under standard press room conditions**

Machine Processing

Recommended Developer & Replenisher (Ready-to-use)

Finishers

Nexgen Pro gum or any other reputed processor gum

Plate Cleaner

Nexgen Plate Cleaners

Fountain Solution

Compatible with all fountain solutions from Nexgen

Press Wash

Compatible with all recommended washes from Nexgen

Press Care

Compatible with all recommended press care solutions