



Supreme GX Processless Thermal CTP Plate

Huaguang Processless Thermal CTP Plate named Supreme GX is a new kind of environment-friendly printing product. After exposed, it can be put on press directly without processing.

■ High Visual Contrast

Supreme GX plates have high contrast after exposed, as the clear image and obvious visual, it's easy to see image, even the smallest image details on the plates, and it can work well in automatic bending machine.

■ Friendly Environment

With no processing, you can omit water rinsing the plates and washing the machine; Without energy consumption of development machine; Reduce waste generation and treatment. It's beneficial to environmental protection.

■ Easy Upgrading

Upgrading to Huaguang Supreme GX is easy. You don't need to set up new processor, change your workflow, or add any new CTP equipment. You can operate easily in the bright room or under the daylight lamp.

■ Fast plate-making

The required laser energy is $120\text{mJ}/\text{cm}^2$. This can shorten the plate-making time and improve the efficiency, because of the fast imaging speed and non-development process.

■ Long Runs

A tougher substrate and more durable coating make Supreme GX printing plates have excellent printing performance and scratch resistance, which can easily meet the long-running printing tasks.

■ Cost reduction

Supreme GX plates eliminate plate processing, saving water, energy, room and money; Removing cost of labor and equipment maintenance; Reducing cost of waste treatment, and good for business.

■ Good DOP performance

DOP of Supreme GX plates is very excellent. It can quickly achieve ink and water balance in the printing process, causing less paper waste.



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Technical Specifications

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| Plate | non-ablative, thermal, negative plate. |
| Application | High quality run sheet fed, heat set web, offset packing (non UV) and short-run UV application. |
| Substrate | Electrochemical grained and anodized aluminum substrate. |
| Gauge | 0.15mm、0.2mm、0.3mm and 0.4mm availability in selected regions. Please contact your local supplier products. |
| Spectral sensitivity | 800-850nm |
| Platesetters | compatible with plate-setters from major suppliers. |
| Laser energy required | 120mJ/cm ² , dependent on image type, configuration and resolution. |
| Resolution | 1-99%@200lpi, dependent upon capability of imaging device. |
| FM capability | 20-micron stochastic, dependent upon imaging device capabilities, print application, and screening algorithms. |
| Run length | <ul style="list-style-type: none">◆ Up to 200,000 impressions with head-set/commercial cold-set web presses◆ Up to 100,000 impressions with sheet fed presses◆ Up to 50,000 impressions for offset packaging(non UV)◆ Up to 20,000 impressions for UV-ink applications Dependent upon image resolution, press, press chemistry, ink, and paper conditions. |
| Safelight @ 400 lux | <ul style="list-style-type: none">◆ 1 hour under daylight lamp without natural light.◆ 16 hours under yellow light. |
| Shelf life | 9 months, under recommended storage conditions. |
| Storage conditions | temperature: 10-24°C, <60%RH. |



乐凯华光印刷科技有限公司
LUCKY HUAGUANG GRAPHICS CO.,LTD

Department of International Trade

Tel: +86-377-63863074 / 63863975

E-mail: export@hgfilm.net

Fax: +86-377-63138450

Http://www.hgfilm.com.cn