



The stable and durable performance process

- Huaguang T-SR II Thermal Plate can maintain a high resolution and an excellent printing performance durably during the process, so it is applicable to more printing conditions and long run length.
- Huaguang T-SR II Thermal Plate possesses an extraordinary performance in prepress and in the pressroom. Not only is it applicable to UV ink, but also it is applicable to ordinary printing ink. The run length can come up to 300,000 impressions without baking, and the plate possesses good stability and latitude in imaging, processing, and on-press performance.
- The polymers developed by Lucky Huaguang owing independent intellectual property rights, render Huaguang T-SR II Thermal Plate to feature better dot reproduction and longer run length, provide excellent color control and consistent color reproduction under the mode of printing presses running at the full speed.



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The Product Instruction of Huaguang T-SR II Thermal Plate

High quality and efficiency

- Huaguang T-SR II Thermal Plate possesses extreme high definition and stability in both the medium-and long-run length whether it is in FM(frequency modulation) printing or in AM(amplitude modulation) printing. It can reduce the plate-remaking and imaging deformations caused by dot wearing and line refining, thus, to improve the productivity. Fast imaging and processing rinsing can significantly improve the efficiencies of pre-printing.
- Huaguang T-SR II Thermal Plate is not only a superior combination of quality, stability, productivity, consistency and durability, but also the best choice for the short-run length and long one in the high-quality commercial press.

Friendly environment

- Huaguang T-SR II Thermal Plate can use environmental UV ink to reduce the discharge of volatile organic compounds (VOC). Longer run length makes it reduce the consumptions during the period of the press and thus save the cost and time.
- Using Huaguang T-SR II Thermal Plate can enhance the efficiencies of pre-printing preparations. At the time of keeping high quality, it greatly reduces the waste of paper and ink.
- Huaguang T-SR II Thermal Plate only need baking in the extreme conditions, such as rough paper, high-corrosive chemicals and the over long printing.



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乐凯华光印刷科技有限公司

LUCKY HUAGUANG GRAPHICS CO.,LTD

地址：河南省南阳市车站南路718号

邮编：473003

电话：0377-63862878 0377-63863163

传真：0377-63132092

E-mail：hgzb@hgfilm.com.cn

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| Plate | Positive thermal digital plate, wide operating latitude, high run length, resistant to chemical corrosion, such as UV ink and printer cleaning water. |
| Application | Without baking, apply to high-quality and long run length printing, used UV ink and ordinary ink. |
| Substrate | Electrochemically grained and anodized aluminum substrate. |
| Gauge | 0.15/0.20/0.25/0.30/0.40mm You are welcome to contact local product suppliers for the size and specifications in the required range. |
| Spectral sensitivity | 800-850nm |
| Plate-setter compatibility | Compatible with mainstream thermal plate-setters. |
| Laser energy required | 100-120 mj/cm ² |
| AM resolution | 1to99%@200lpi Dependent upon capability of imaging devices. |
| FM resolution | 10-micron stochastic Dependent upon capabilities, applications, and screening algorithms of imaging devices. |
| Processor | Compatible with mainstream processors in the market. |
| Developer | HuaguangTPD-80 Developer is recommended. Compatible with mainstream thermal developer in the market. |
| Run length | * IUV ink ≥ 50,000 impressions * IOrdinary ink ≥ 300,000 impressions * IBaked ≥ 500,000 impressions Note : The run length could change as the differences of printing and imaging conditions. |
| Safelight | Daylight handing |
| Shelf life | 18 months, in the recommended storage conditions |
| Packing | Available in all standard formats |
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