

# TD-GX Processless Thermal CTP Plate



TD-GX Processless Thermal CTP Plate is a real green printing product independently developed by Lucky Huaguang. It can be put on press directly after exposure without any processing.

## > Obvious Visual Contrast

TD-GX has high contrast in plate making, and the graphics are clear and visually obvious after exposure. Users can easily see the most subtle details, which is convenient for customers to easily realize automation.

## > Good Development Performance

TD-GX has fast development speed on the press, good development latitude, which can quickly achieve ink-water balance in the printing process and consume a small amount of over plate papers.

## > Fast Sensitivity & High Efficiency

The sensitivity of TD-GX is up to  $120\text{mJ}/\text{cm}^2$ , and the plate-making speed is faster. In addition, no development is required and the plate-making cycle is shortened, making it more efficient.

## > Good Scratch Resistance & Long Run Length

TD-GX has a strong base and coating, so the printing plate has excellent performance of long run length and scratch resistance, which can easily meet the tasks of medium and long printing runs.

## > Energy Saving & Green and Environmental Protection

TD-GX subtracts the developing process, reduces the consumption of pre-printing water and cleaning water. It also decreases the energy consumption of the processing machine, the generation of waste in the development process and the problem of waste disposal, saving energy and reducing consumption.

## > Reduce Costs & Improve Efficiency

TD-GX eliminates the plate processing and reduces the generation of waste during printing, therefore, it saves water, energy, time, space and the purchase costs of the developing machine, reduces costs of labor and machine maintenance, and saves treatment costs of waste fluid.

## > Convenient to Use & Easy to Transform

Users can easily upgrade existing plate to Huaguang TD-GX without purchasing new equipment or changing the existing workflow, which can truly realize the plate making operation in the bright room and can be operated safely under fluorescent lamps.



# TD-GX Processless Thermal CTP Plate

| TD-GX                 | Technical Specifications  |
|-----------------------|---|
| 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<br>Plates of different thickness are supplied to different regions, please contact your local suppliers for more.  |
| Spectral sensitivity  | 800-850nm   |
| Platesetters          | Compatible with platesetters from major suppliers   |
| Laser energy required | 120mJ/cm <sup>2</sup> , 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"><li>◆ Up to 200,000 impressions with head-set/commercial cold-set web presses</li><li>◆ Up to 100,000 impressions with sheet fed presses</li><li>◆ Up to 50,000 impressions for offset packaging(non UV)</li><li>◆ Up to 20,000 impressions for UV-ink applications</li></ul> Dependent upon image resolution, press, press chemistry, ink, and paper conditions. |
| Safelight             | <ul style="list-style-type: none"><li>◆ 2 hour under daylight lamp without natural light.</li><li>◆ 24 hours under yellow light</li></ul>   |
| Shelf life            | 10 months, under recommended storage conditions   |
| Storage conditions    | Temperature : 18-24°C, RH: 30-50%   |