

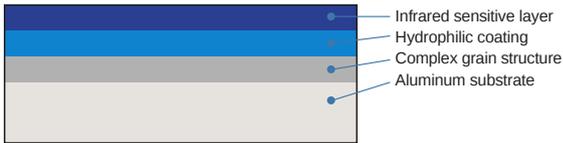
TP-II Thermal CTP plate

Huaguang Thermal CTP plate is a high-quality printing plate specialized for thermal CTP platesetter, self-developed by Lucky Huaguang Graphics Co., Ltd. It is directly scanned by 830nm laser controlled by computer and put on press for printing after developing. The formulation designed by our own intellectual properties and the unique manufacturing process make Huaguang Thermal CTP plate features as follow



Unique formulation design

The sensitive layer of Huaguang CTP thermal plate is a unique formulation structure and it makes the dot edge which is formed with laser scanning more share



Sketch of HUAGUANG Thermal Plate Structure

Thermal CTP platemaking process

Composition

TP Platesetter

CTP processor

printing plate

High-quality substrate

Huaguang thermal CTP plate takes use of the fine aluminum plate with complex grain construction and dense oxidized layer as its substrate which was processed with a special method. It not only ensures the adhesion of the thermal coating to the aluminum plate, but also makes the plate possessing excellent run length and exact dot reproduction to guarantee high quality printing.

Convenient bright room operation

The printing plate is imaged and processed under day-light condition without additional dark room which can be easier and more comfortable to operators.

Outstanding platesetter compatibility

Huaguang thermal CTP plate can be compatible with various thermal CTP platesetters available in current market.

Huaguang TP-II Technical specifications

Plate Type	Positive working, no preheat thermal digital plate, with optional postbake for longer runs
Application	Medium for sheetfed, web offset press
Aluminum	Electrochemically grained and anodized aluminum substrate
Gauge	0.15/0.20/0.25/0.30/0.40mm
Maximum short grain width	1320mm
Spectral sensitivity	800-850nm
Platesetter compatibility	All the main brands in market, like Kodak Trendsetter/ Lotem/Magnus, Screen PT-R, Heidelberg Topsetter/ Suprasetter etc.
Laser energy required	130-160 mJ/cm ² (varies based on platesetter manufacturer and developing condition)
Resolution	1% to 99% @200lpi. Dependent upon capability of imaging device.
FM capability	20 micron stochastic.
Developer	HUAGUANG TPD-80, Kodak Goldstar Premium, IMAF Therm 830/One Plus, etc.
Processing	HUAGUANG TPD-80, 23°C/25 seconds, Kodak Goldstar Premium/IMAF Therm 830 23°C/30 seconds
Run length	100,000 impressions unbaked, over 500,000 impressions baked. Actual run length may vary according to press/paper/ink conditions
Safelight	Daylight handling
Shelf life	18 months, under recommended storage conditions
Transport and storage	Store plates flat in their packaging, away from excessive cold, heat or high humidity. Recommended condition is: temperature 10-26°C & RH between 40 - 70%