



# Huaguang UV-D positive UV-CTP plate

Huaguang UV-D positive UV-CTP plate is a kind of high quality UV-CTP plate developed by Lucky Huaguang Graphics Co.Ltd for customers, which make the printing enterprise in the production of both economic efficiency at the same time. It is widely used in sheet-fed and web commercial press .

## Low effect of environment

- Huaguang UV-D positive UV-CTP plate can be used directly to Environmental friendly UV ink, reducing volatile organic solvents (VOC) emissions in the printing process. The high run length reduces the amount of plates used in the process, saving costs and time. High run length, reduce the usage of plate in long printing and save cost and time in production .
- Huaguang UV-D positive UV-CTP plate can improve the prepress preparation efficiency, while maintaining high print volume, greatly reducing the waste of paper and ink.
- Huaguang UV-D positive plate needs baked only in extreme conditions, such as rough paper, corrosive chemicals, long length impressions.



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## Specially designed for UV Technology

Huaguang UV-D positive UV-CTP plate is a UV-CTP plate developed to meet the market requirements for plate-making speed and efficiency. The plate which is specifically designed for the CTcP technology, the features of UV-D is that a new UV photosensitive layer formula and high quality electrolytic oxidation of the aluminum base, it is not only suitable for UV ink printing, but also suitable for ordinary ink printing.

## Excellent printing performance

The new photosensitive layer formula and high quality substrate treatment technology make the plate has a precisely dot reduction, excellent ink balance performance and superior wear resistance. The run length is up to 50,000 under the UV ink printing, under the ordinary ink , run length can be up to more than 200,000.

## High quality imaging performance

Huaguang UV-D positive UV-CTP plate has a high resolution and it can achieve 2 to 98% @ 250lpi , AM screening resolution and 25 micron FM screening resolution .

## Excellent stability and adaptability

Huaguang UV-D positive UV-CTP plate has good storage stability. In the shelf life, its sensitivity, dot reduction and other properties are almost unchanged.

Huaguang UV-D positive UV-CTP is suitable for the mainstream UV-CTP platesetters, good development adaptability, as the best choice for the offset packaging and commercial printing.

Plate type	Positive UV-CTP plate.
Gauges	0.15/0.20/0.25/0.30/0.40mm.
Substrate	Electrochemically grained and anodized aluminum substrate.
Application	commercial Sheetfed and rotary press printing.
Spectral sensitivity	350-460nm UV, especially 400-410nm UV laser.
Platesetter	Compatible with mainstream UV-CTP platesetter in the market.
Exposure energy	30-35mW (Corey UV-4632CI platesetter, parameters 1000 rpm).
Resolution	2 to 98% @ 250lpi (Platesetters in different resolution will have difference).
Processor	Compatible with mainstream processor in the market
Developer	Huaguang PD positive PS plate developer are recommended.
The ratio of developer (PD: water)	1:3-1:4
Developer temperature	24 ± 1°C
Developing time	20-30 seconds
Replenishing Rate	100-150ml/m <sup>2</sup>
Safelight	yellow light
Working conditions	Operating temperature 21-25 °C (room temperature), relative humidity 40-60%
Storage condition	Storage temperature 15-27 °C, relative humidity 25-60%. 18 months, in the recommended storage conditions.
Run length	<ul style="list-style-type: none"> <li>● UV ink ≥ 50000 impressions .</li> <li>● ordinary ink ≥ 200,000 impressions.</li> <li>● baked ≥ 500,000 impressions</li> </ul> Actual run length will have differences according to press/paper/ink/chemicals conditions

