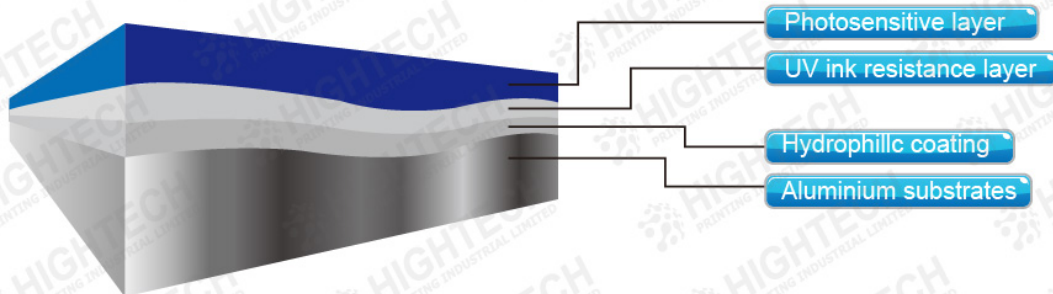




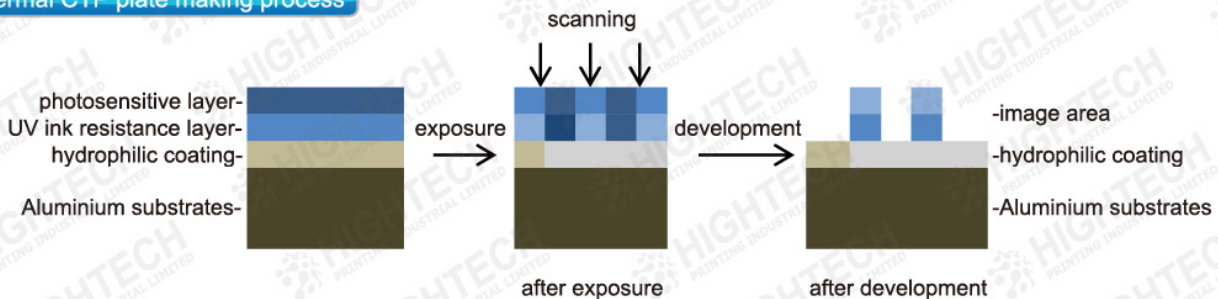
Positive Thermal CTP Plate



Thermal plate structure



Thermal CTP plate making process



Features

1. Unique formulation design

The special photothermal conversion material which is sensitive to 830nm IR Laser is used in our thermal CTP plate coating. Because of the value effect of the above photothermal conversion material, the dot edge formed when scanning is sharp and the reproduction is better than traditional PS plate. High efficient photothermal cross-link resin makes the finally formed plate have stable three dimension constructions to guarantee the plate high anti-abrasion. The run length can be more than 300,000 after baking, and it can be used in many printing environments, such as commercial sheet printing and package printing etc.

2. High quality substrate

TIGER thermal CTP plate takes use of the aluminum plate with complex grain construction and dense oxidized layer as its substrate. It not only ensures the adhesion between thermal coating and the aluminum plate, but also makes the plate possessing excellent anti-abrasion and exact dot reproduction to guarantee high quality and long run printing.

3. Convenient bright room operation and

Printing plate is imaged, processed under day-light condition without additional dark room. This makes operator feel easy and comfort. In addition, printing plate requires less processing maintenance and cleaning.

4. Outstanding compatibility

TIGER thermal CTP plate can be compatible with various thermal CTP platesetter, developing machine, developers, and feeding liquid available in current market.

CTP (Computer to Plate) is evolved from conventional film printing system. Its invention is a revolutionary change to printing and related industries, and currently being used widely in publishing, newspaper, advertising, business printing and packaging.



Technical Parameters

| | |
|-----------------------------|---|
| Type | Positive thermal CTP plate |
| Plate Base | Electrochemical grains, anodized and hydrophilicity treated aluminium base |
| Thickness | 0.15mm, 0.3mm |
| Use/Application | High-quality commercial quick printing /High-quality commercial color printing |
| Spectral Sensitivity | 800~850nm, peak value is 830nm |
| Exposure Power(Sensitivity) | 110~130 mj/cm ² |
| Replenishment Rate | 80-100ml/sqm |
| Resolution Ratio | Dot reproduction 1~99%(200lpi) |
| Run Length | 50,000-80,000 impressions |
| Size | Max length of short edge is 1350mm, cutting diagonal error≤0.5mm |
| Safe operation | under fluorescent light: 1 hour; under yellow lamp: 12 hours; |
| Recommended platesetter | Infrared laser thermal platesetter with 830nm |
| Processor | Any suitable processors for positive thermal CTP plates |
| Processing data | 23±1° C, 30-35seconds(Kodak); 25°C, 25 seconds(Agfa) |

Note: practical run-length depends on press, ink and paper etc.

Storage and Unpacking

- 1) Light and heat can cause the thermal CTP plate to chemical change easily, the recommended storage condition under ambient conditions of 40% and 70% relative humidity and normal temperature
- 2) Unpacking the outer package should be in yellow light or room light; the recommended plate-making room light should be yellow.
- 3) Carrying plate gently; avoiding striking, folding and falling.
- 4) Stacking the plate at the height of less than 1.5m.






Guarantee Period


12 months under above recommended storage condition.

Our service

1. Samples available, we often send 4-8 pieces plates to customer for testing.
2. Sizes of plates can be produced according to customers' demand.
3. We supply online technical support. If there is any problem, we will coordinate our engineers to help you solve the problem via e-mail/Tel/Video.
4. We have a tracking service every month to care about our products, if any problem, we will help you and learn from you together to solve the problem.



We offer
packaging,
brand
design



We provide
optimal
Calculation
of shipment



Our
professional
inspection
of goods



We provide
printing
process
services

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