

# BLACKWOOD

PROFESSIONAL PRINTING PLATE  
MANUFACTURER

MAKE MODERN PRINTING  
MORE EXCITING

# PROJECT ▶▶ DISTRIBUTION

The Leading Environmental-friendly Concept.

Zhejiang Jimu Co., Ltd. always pays close attention to environment-friendly concept and focuses on the R&D of environmental-friendly plates. We have advanced production technology, and cooperate with the world-famous company. Environmental-friendly UV CTP and thermal CTP have been developed successfully. Jimu company has taken a firm step on the environmental-friendly transition.

Emerald Sdries Environmental-friendly Plates.

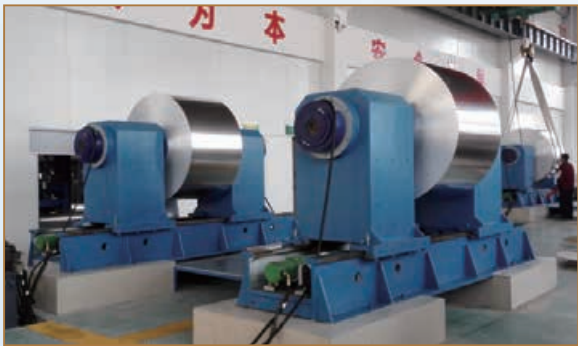
Emerald UV, low chemical UV CTP plate, completely subvert the conventional ideas of UV CTP manufacture and adopts environmental protection washing method without the chemical developer. Besides , Emerald UV has accurate dot reproduction, good printing adaption, etc.

Emerald TP , chemical free thermal CTP plate, could make printing directly after plate set, which is the real chemical-free production. It also has the accurate dot reproduction and long run length rate, excellent adaption, etc, bringing the high quality environmental protection experience to customers.



# QUALITY GUARANTEE

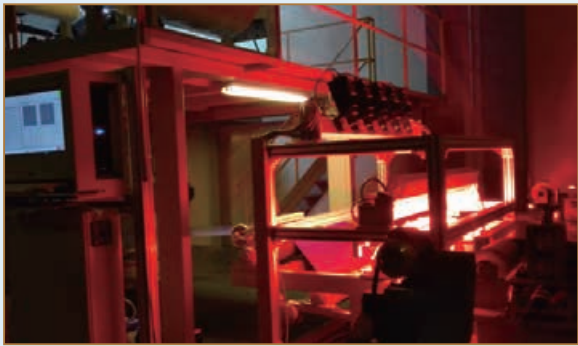
Detail decides success or failure Cast quality success



▲ Adopt High Quality Aluminum Roll Base  
Ensure the smoothness and various physical Function of plate



▲ Quality Control  
A new automatic Digital-control High-speed production line was commissioned in 2015.Data collection and management system at the control room monitors temperature & coating processes,and cutting.



▲ Inline High-speed Electronic Inspection System  
Imported From Germany,the system will spot any minute defects on the plate surface and automatically move the defective plate to a designated location.



▲ Strict Testing Procedure  
A full range of instruments and processes are in place to ensure the technical standards are met at various production stages.plate samples are taken every 10 minutes for imaging test.



## A HAPPY CUSTOMER



With a high resolution CTP, a reliable press, and color management expertise, Blackwood plates enable the superior quality and efficient printing. A happy customer is a natural outcome.

## QUALITY ASSURANCE



The new low chemistry UV plate is unique. It minimises the consumption of chemicals and water for UV exposed plates. With a simple 'wash out' bath, plates are press ready in seconds and exhibit exacting dot reproduction, from -1-98%, for either stochastic screening (20 micron) or conventional screening up to 200 lpi, Run length is up to 50,000 without baking (20,000 for UV ink). The developing solution of this 'wash out' bath is non-toxic and non-corrosive.

The new process-less Thermal plate is compatible with all thermal platesetters and requires no processor or post-imaging wash out. Mounted directly on the press after imaging, it delivers exceptional printing characteristics with a 1-99% tonal range in both conventional (200 lpi) and stochastic screening (20 micron), fast run up, minimum dampening solution and a low carbon footprint. Run length is up to 1,500,000 without baking, which will be launched in 2017.



Model	Emerald UV	Emerald TP
Thickness	0.15-0.4mm	0.2-0.3mm
Exposure Energy	40mj/cm <sup>2</sup> , UV 405nm	120mj/cm <sup>2</sup> , 热敏 810~830nm
Resolution	1-98% / 300lpi	1~99% / 350lpi
Run Length	> 50,000 impressions <sup>※</sup>	> 150,000 impressions <sup>※</sup>
Shelf Life	12 months	12 months
Safe Light	2 ~ 4 hours	4 hours
Surface Plate	light blue color	Light Gray Color

※ unbaked with normal inks

UV plate uses fine aluminium base with complex grain and dense oxidized layer as its substrate which processed with special method. It ensures adhesive thermal coating on aluminium surface and make plate processing excellent for run length and accurate dot reproduction to guarantee high quality printing.



# BLACKWOOD ◀ PLATE

Plate Style	HUV-PXX Digital Printing Plate	HUV-PXXX Digital Printing Plate	HUV-U Digital Printing Plate
Spectral Sensitivity	405nm	405nm	405nm
Thickness	0.15~0.40mm	0.15~0.40mm	0.15~0.40mm
Exposure Energy	45~50mj/cm <sup>2</sup>	50~55mj/cm <sup>2</sup>	40~45mj/cm
Resolution	1~99%@400lpi	1~99%@400lpi	1~99%@400lpi
Run Length	> 100'000	> 150'000	> 150'000
Developer	HUV-P Developer	HUV-PM Developer	HUV-PM Developer
Developing Temperature	25±1°C	25±1°C	25±1°C
Developing Time	20~30 seconds	20~30秒	20~30秒
Storage Conditions	Temperature:5-30°C;Humidity:40-80%	Temperature:5-30°C;Humidity:40-80%	Temperature:5-30°C;Humidity:40-80%
Shelf Life	18 months	18 months	18 months
Application Type	Commercial, Packaging Printing	Newspaper, Publication, Printing	Newspaper, UV ink printing

※ NOTE:Run length will be effected by press,ink and paper conditions.

# BLACKWOOD PLATE ▶▶

HTP thermal printing plate



HTP Digital Plate has high sensitivity characteristic, strong adaption ability, stability and quality. Adequate to use for exquisite commercial & newspaper printing.

Plate Style	Htp-I Thermal Ctp Plate	HTP-H Thermal Ctp Plate	HTP-U Thermal Ctp Plate
Spectral Sensitivity	830nm	830nm	830nm
Thickness	0.15~0.40mm	0.15~0.40mm	0.15~0.40mm
Exposure Energy	120~140mj/cm <sup>2</sup>	110~130mj/cm <sup>2</sup>	100~120mj/cm <sup>2</sup>
Resolution	1~99%/400lpi	1~99%/400lpi	1~99%/400lpi
Run Length	> 100'000	> 100'000	> 100'000
Developer	DP-M	DP-M	DP-M
Developing Temperature	24±1°C	24±1°C	24±1°C
Developing Time	25~35 s	25~35 s	20~30 s
Storage Conditions	Temperature:5-30°C;Humidity:40-80%	Temperature:5-30°C;Humidity:40-80%	Temperature:5-30°C;Humidity:40-80%
Shelf Life	18 months	18 months	18 months
Application Type	Commercial, Packaging and newspaper Printing	Commercial, Packaging and newspaper Printing	Commercial, Packaging and UV ink Printing

※ NOTE:Run length will be effected by press,ink and paper conditions.

# BLACKWOOD DEVELOPER ▶▶

"Blackwood" developer has the characteristics of strong handling capacity, good stability, good cleanliness of plate, low loss rate of photographic film, no crystallization, etc.



Type	HUV-PM	DP-M ( MR补充液 )
Dev.temp	25±1°C	24±1°C
Developing Time	20~30S	25~45S
Conductivity	74±1ms	76±1ms
Dynamic Supplement	100-120ml /m <sup>2</sup>	100-120ml /m <sup>2</sup>
Static Supplement	100-120ml /h	80ml /h
Application Type	UV-CTP Plate	Thermal CTP Plate

※ NOTE:Run length will be effected by press,ink and paper conditions.

## PRODUCT SERVICE ▶▶

- ▶ Basic Printing Knowledge Training
- ▶ Plate Test and Application Training



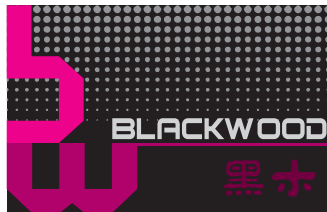
- ▶ Color management



# SELLING NETWORK ▶▶



Our products are sold all over the world  
Exported overseas, including developed countries  
such as Europe and the America  
Our products are well received by our customers



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