

## **Chengdu Xingraphics New Materials Co., Ltd.**

Address : Torch Power Harbor Complex  
No. 7, North Block, 269 San Se Road  
JinJiang Industrial Park  
Chengdu, Sichuan, 610063, P.R.China

Tel : +86 28 8592 5222  
Fax : +86 28 8592 5225  
Email : info@xingraphics.com

## **Factory**

Address : Juguang Road 79#,  
Xindu Industrial Development Zone,  
Chengdu, Sichuan, 610500, P.R.China

Tel : +86 28 8395 6666  
Fax : +86 28 8399 1473

## **European**

Xingraphics European Customer Support Center (CSC)  
Address : Van der Helm - Hudig(Moerdijk BV)  
Orionweg 6  
4782 SC Moerdijk  
The Netherlands

COC Rotterdam / 24120785

[www.xingraphics.com](http://www.xingraphics.com)



xingraphics™

High quality thermal CtP plate manufacturer



**Simply an  
Alternative  
Solution**



## About Xingraphics

With manufacturing facilities in Xindu Industrial Development Zone, Chengdu Xingraphics New Materials Co., Ltd. , is a leading graphics industry supplier synonymous with excellent customer service and is dedicated to the manufacture, sales and service of thermal plate technology world wide.



## Our Mission

To provide alternative solutions to customers that are consistent, reliable and competitively positioned in all international markets.

To leverage our competitive manufacturing advantage coupled with global partnerships, people and technology to deliver solutions that make a real difference for our customers.

Strive to be the best at what we do and build a company that is internationally known as a leading graphics industry supplier synonymous with excellence customer service.

## A better FIT for our customer's business:

- Dedicated Sales and Services Team
- Effective & Efficient Distribution and Service Network
- Reliable Product Supply
- Professional Technical Support
- Continuous Improvements

# Message from Xingraphics Leadership Team

Many companies experience change and Xingraphics has seen a significant amount over the past few years. Our transition from traditional or conventional plate manufacturing under the Juguang brand which commenced in 1994 to digital thermal plate technology in partnership with Creo in 2002 has been an important milestone that enabled us to deliver a consistent, reliable and best-in-class technology to our customers world wide under our newly formed Xingraphics company and brand.

In 2006 we launched our FIT positive thermal plate technology which was the first technology developed entirely by Xingraphics since Kodak's acquisition of Creo which meant our co-development with Creo had to come to an end and we needed to find our own international partners. Our FIT (Melior) thermal plate is a unique technology that we are proud of launching successfully around the world. We followed this launch quickly with FIT X-tra (Melior) and FIT e-CO Primo as a world first true process-less technology.

Our international business teams have developed strong partnerships in more than 50 countries in Asia Pacific, Europe, Middle East, Africa, Latin America and North America. We have held a number of successful technical workshops that will be an on going event aimed at sharing as much information about our current and future technologies as well as our companies strategic objectives designed to increase product and company knowledge. The workshops allow us to share skills and trends with our partners, who meet other partners from around the world and share information openly which creates an environment for networking and learning in a fun and relaxed atmosphere.



So in a short period of time we have developed our global partnerships, established international support facilities in strategic regions and hired the best team possible locally and internationally to provide the right service levels to you our valued customers.

We see a very exciting future for our customers, industry and Xingraphics as we develop technologies that provide an alternative to what is currently being offered in the market. Our product portfolio will continue to expand, however one thing that will remain unchanged is our commitment to manufacturing high quality, world class solutions.

# Research & Development

At Xingraphics, we pride ourselves in having a dedicated world class R & D team while focusing on researching and developing new technologies and improving existing solutions that will be beneficial to our customers whilst being mindful of our environmental duties.

We continue to invest in areas of recycling including water, chemicals and gases to reduce unnecessary waste as well as ensuring that our natural environment and resources are considered and our employees well being remains a priority for Xingraphics.



# About the product



## **Consistence performance**

A combination of state of the art production technology and strict quality control, FIT series plates provide printers with stable and repeatable performance.

## **Cost effective Solution**

FIT series plates reduce overall cost of operation by coming up to colour fast because of its excellent ink/water balance character, with alternative solutions.

## **Easy to Use**

FIT series plates are a positive working thermal technology which does not require pre-heat coupled with its wide operating latitude and reliability provides stress free storage and transportation requirements as well as energy savings.

## **Fast imaging speed**

Low exposure energy requirement means fast exposure to maximize the throughput of CtP devices and increased efficiency.

***Perfectly fits your business needs!***

# FIT eCO Primo

## Processless Thermal Plate

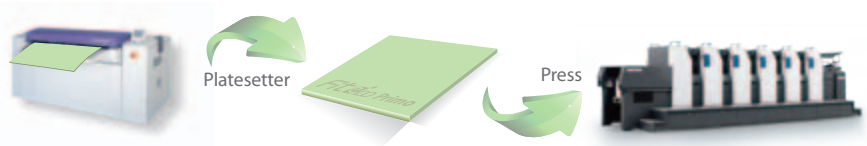
### Environmental friendly:

FIT eCO Primo is a true process-less thermal plate technology designed with the environment in mind whilst providing many advantages and benefits that include the following.

FIT eCO Primo eliminates the need for a processor therefore saving you costs associated with processors and chemistry as well as energy and maintenance costs. It also allows more flexibility in your work environment because you do not need the additional footprint of a processor. Also eliminating plumbing and electrical set-up again reducing your operating cost.

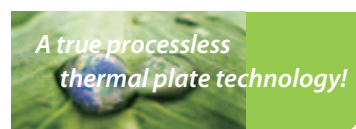
FIT eCO Primo removes the need for chemistry allowing you to be environmentally responsible without sacrificing quality. It also removes the ongoing chemistry costs as well as removing an additional step in your production environment. No chemistry or processing is required!

FIT eCO Primo eliminate the need for water allowing us to save a precious natural resource.



## Product specifications

Type:	Thermal Negative Processless Plate
Suitable for:	Commercial
Substrate:	High quality grained and anodized aluminum
Maximum width:	1050mm
Spectral sensitivity:	830nm
Resolution:	AM 1-99% @ 200 lpi 20 micron stochastic
Start up:	Pre-dampening required
Roll up:	<15 impressions
Shelf life:	18 months when away from excessive cold, heat and humidity
Storage conditions:	Store plates flat in their packaging, away from excessive cold, heat or high humidity at 5°C ~ 30°C, with RH between 40~80%





## Positive Thermal CtP Plate for newspaper printing

### Product specifications

Type:	Positive thermal CtP Plate
Suitable for:	Newspaper printing
Substrate:	High quality grained and anodized aluminum
Maximum width:	1480mm
Spectral sensitivity:	830 nm
Exposure energy:	100-110mj/cm <sup>2</sup>
Resolution:	1-99%@250 lpi
Run length*:	150,000-200,000 unbaked, 1,000,000 impressions post-baked <small>*Run length depends on processing and printing quality control and conditions.</small>
Gauges:	Standard 0.15mm, 0.30mm / On request 0.20mm, 0.24mm, 0.40mm
UV ink compatibility:	Applicable with UV inks when post-baked
Shelf life:	18 months when away from excessive cold, heat and humidity
Storage conditions:	Store plates flat in their packaging, away from excessive cold, heat or high humidity at 5 °C ~30 °C, with RH between 40~80%.

### Processing

Developer :	Xingraphics Arto-D
Replenisher :	Xingraphics Arto-R
Developer temperature :	26±1 °C
Processing time :	25±5 seconds
Replenishment :	<b>Arto-D</b> 100~160ml/m <sup>2</sup> whilst processing 60~100ml/hr whilst standing <b>Arto-R</b> 50~100ml/m <sup>2</sup> whilst processing 50~100ml/hr whilst standing
Bath life :	2,000 sqm or one month ,whichever is achieved first

• The above data may vary with different processor type being used.

FIT News is a high speed thermal CtP plate designed specifically for newspaper printing. Low laser energy requirement and resolution of 1-99% at 250lpi guarantee fast and accurate pre-press and print results.

Manufactured with strict quality control production procedures, FIT News is able to provide newspaper printers reliable, consistent performance on press.



# FIT XTRA Melior

## Positive Thermal CtP Plate



### Product specifications

Type:	Positive thermal CtP Plate
Suitable for:	Commercial, Newspaper and Packaging Printing
Substrate:	High quality grained and anodized aluminum
Maximum width:	1480mm
Spectral sensitivity:	830 nm
Exposure energy:	100~120 mj/cm <sup>2</sup>
Resolution:	1-99%@450 lpi
Run length*:	250,000 unbaked, 1,000,000 impressions post-baked <small>*Run length depends on processing and printing quality control and conditions.</small>
UV ink compatibility:	Applicable with UV inks when post-baked
Shelf life:	18 months when away from excessive cold, heat and humidity
Storage conditions:	Store plates flat in their packaging, away from excessive cold, heat or high humidity at 5 °C ~30 °C, with RH between 40~80%.
Post-baking recommendation :	230 ~ 250 °C , 5 ~ 8 minutes

### Processing

Developer :	Xingraphics Arto-D
Replenisher :	Xingraphics Arto-R
Developer temperature :	26±1 °C
Processing time :	25±5 seconds
Replenishment :	<b>Arto-D</b> 100~160ml/m <sup>2</sup> whilst processing 60~100ml/hr whilst standing <b>Arto-R</b> 50~100ml/m <sup>2</sup> whilst processing 50~100ml/hr whilst standing
Bath life :	2,000 sqm or one month ,whichever is achieved first

• The above data may vary with different processor type being used.



## Positive Thermal CtP Plate

### Product specifications

Type:	Positive thermal CtP Plate
Suitable for:	Commercial, Newspaper and Packaging Printing
Substrate:	High quality grained and anodized aluminum
Maximum width:	1480mm
Spectral sensitivity:	830 nm
Exposure energy:	120 mj/cm <sup>2</sup>
Resolution:	1-99%@450 lpi
Run length*:	250,000 unbaked, 1,000,000 impressions post-baked <small>*Run length depends on processing and printing quality control and conditions.</small>
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Bath life :	2,000 sqm or one month ,whichever is achieved first

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## Chemistry

**arto-D**  
- Developer

**arto-R**  
- Replenisher

Arto-D/ Arto-R is designed to optimize your use of Xingraphics Plates. Arto-D/ Arto-R features wide processing latitude, consistency and reliable quality to increase your productivity and efficiency.

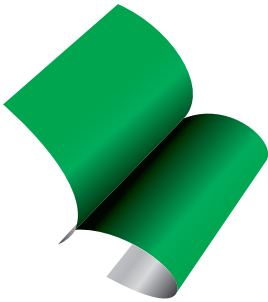
Arto-D/ Arto-R  
can be used to process:

FIT (Melior)  
FIT Xtra (Melior)  
FIT News



# JPS-C / JPS-N

## Positive PS Plate



JPS series positive PS Plate is a sophisticated product, holding its high reputation in the market over the years:

- High-quality raw material
- Even graining layers, multiple graining layers
  - good ink/water balance, good dot-reproduction
- Wide latitude
  - Easy-to-operate, suitable for different working environments
- Long run-length
- Ease of pre-press quality checks

JPS-C is designed for high resolution commercial printing, while JPS-N is specifically for newspaper printing, meeting different printing requirements.

### JPS-C:

- Positive working
- High resolution
- Hydrophilic Treatment
- Vacuum Assistant Layer - Easy for vacuum drawdown
- Faster ink application

### JPS-N:

- Positive working
- High sensitivity
- Long run-length
- Vacuum Assistant Layer - Easy for vacuum drawdown
- Accurate size and square size

Associated Chemical: Xingraphics DV-6 Developer

# International Business

Xingraphics provide conventional and digital solutions to our customers on a global basis through strategic partners world wide. We have partners in most countries around the world who are selected on their ability to market and support our solutions in their respective countries or regions. We are actively developing our international market therefore seeking long term partnerships so if you are interested in supporting our solutions in your region, please contact us at: [info@xingraphics.com](mailto:info@xingraphics.com)



Xingraphics has partnered with Hudig Logistics to establish its European Customer Support Center (CSC) in a brand new facility located in Moerdijk which was completed in December of 2007. Xingraphics' CSC is strategically located between Rotterdam and Antwerp seaports making it an ideal location from container arrivals thru to warehousing and distribution throughout western and eastern Europe via multiple transportation models such as barge, road and rail.



\* 1. Warehouse facility 2/3. Recently completed Moerdijk distribution facility

*If you have any further questions or need specific information, please contact Xingraphics on [www.xingraphics.com](http://www.xingraphics.com)*





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