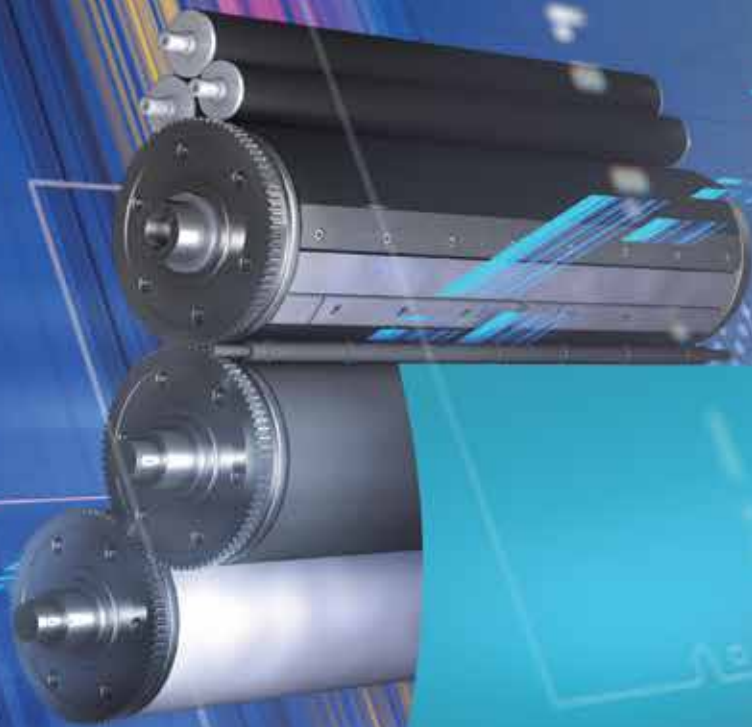


AIYINDA 603



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A Highly Cost Effective Double Layer Thermal Plate

Aiyinda 603 plate is a double layer thermal printing plate developed by ECO3 for commercial and packaging printing. It's a combination of high sensitivity, high resolution, good processing latitude and excellent printability. The patented double layer coating makes it robust and durable for good run length, excellent chemical and physical resistance, especially can be printed with UV ink without plate baking, which make it perfectly meet the growing needs of commercial and packaging printing customers.

Aiyinda 603 plate has excellent performance, economy has reached an unprecedented level with a perfect balance between performance and price. It solves the problem of plate performance and price choice that has been bothering customers for a long time. It is the best choice for the customers who have high requirements for plate performance and hope cost saving at the same time.

YOU
PRINT.
WE
CARE.

As a double layer thermal plate, Aiyinda 603 has multiple technical advantages obviously:

High Sensitivity

With high sensitivity, Aiyinda 603 need only 120mj/cm² to expose, which enables the platesetter to run at maximum productivity.

Non-Ablative

Thanks to its excellent emulsion coating, there is no ablation during exposure and thus will not contaminate the laser head of the platesetter, prolonging the life of the laser head and effectively reducing the cost of laser head maintenance.

Excellent Latitude for both Exposure and Development

Aiyinda 603's new emulsion coating ensures stable sensitivity and excellent development in suited developer, Ensuring long bath life and maintaining high quality dot reproduction throughout the bath life.

Excellent Printing Performance

Thanks to ECO3's patented double layer coating and flat substrate graining technology, Aiyinda 603 is endowed with excellent printing performance:

- Fast ink/water balance
- Excellent chemical and mechanical resistance
- Print with lower ink and water level, make it possible for quick dry printing (QDP)
- Excellent run length up to 150,000 impressions with oxidative inks
- Ready for print with UV inks without post baking

Technical specifications - Aiyinda 603

Plate Characteristics	
Plate technology	Positive thermal plate
Spectral sensitivity	830nm
Exposure sensitivity	120mj/cm ²
Resolution	AM 200lpi 2-98%, Sublima 240lpi 1-99%, FM 20μ
Coating design	Double layer
Coating color	Deep blue
Substrate	Electrochemical grained and anodized alloy
Gauge	0.15mm, 0.24mm, 0.27mm
Plate Size (Min - Max)	289 X 400mm, 1500 X 2100mm
Processing	
Developer	THD200
Replenisher	THR200
Area replenishment	60-80ml/m ²
Anti-oxidization replenishment	60-80ml/hr
Bath life	4000m ² (under ideal conditions up to 5000m ²)
Finisher	RC795
Baking gum	RC510
Press Capability	
Run length (depending on print conditions and screen ruling)	Up to 150,000 with conventional inks, Up to 50,000 with UV inks
Market	Commercial, Packaging, UV Printing
Storage & Shelf life	
Prepress environment	Temperature: 23°C ± 2, Humidity: 50% ± 15
Storage condition	Temperature: < 28°C, Humidity: RH < 70%
Shelf life	24 months

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