



**Guangzhou Amsky Technology co.,Ltd.**

Address: Room 1402, DongShan Ziyuan Commercial Building,  
No. 745 East Dongfeng Road, Guangzhou, China  
Tel: (+86)4006 029 668  
Fax: (+86)20 2202 5050  
Website: [www.amsky.cc](http://www.amsky.cc)  
Email: [info@amsky.cc](mailto:info@amsky.cc)  
Post Code: 510080


**Amsky**

*Computer to plate*




## Supreme quality global reputation


Extended throughout the world, our selection is among top-level suppliers from Europe, America and Japan. With meticulous attitudes and even harsh perspectives, Amsky elaborately presents you professional CTP equipped with state-of-the-art components and first-rate technology. Users' long-term and superior practical experience as well as the stable and exceptional equipment features has made us 1600 customers all over the world for 50 countries and regions.




Dynamic autofocus




Overlapping loading system



Auto switch of laser beam




Automatic constant temperature in dual-direction




Energy auto balance



High efficiency plate clamping system




Accurate graphic size calibration



Technology of DDS frequency multiplication




Applicable traditional plate



Drum auto balance



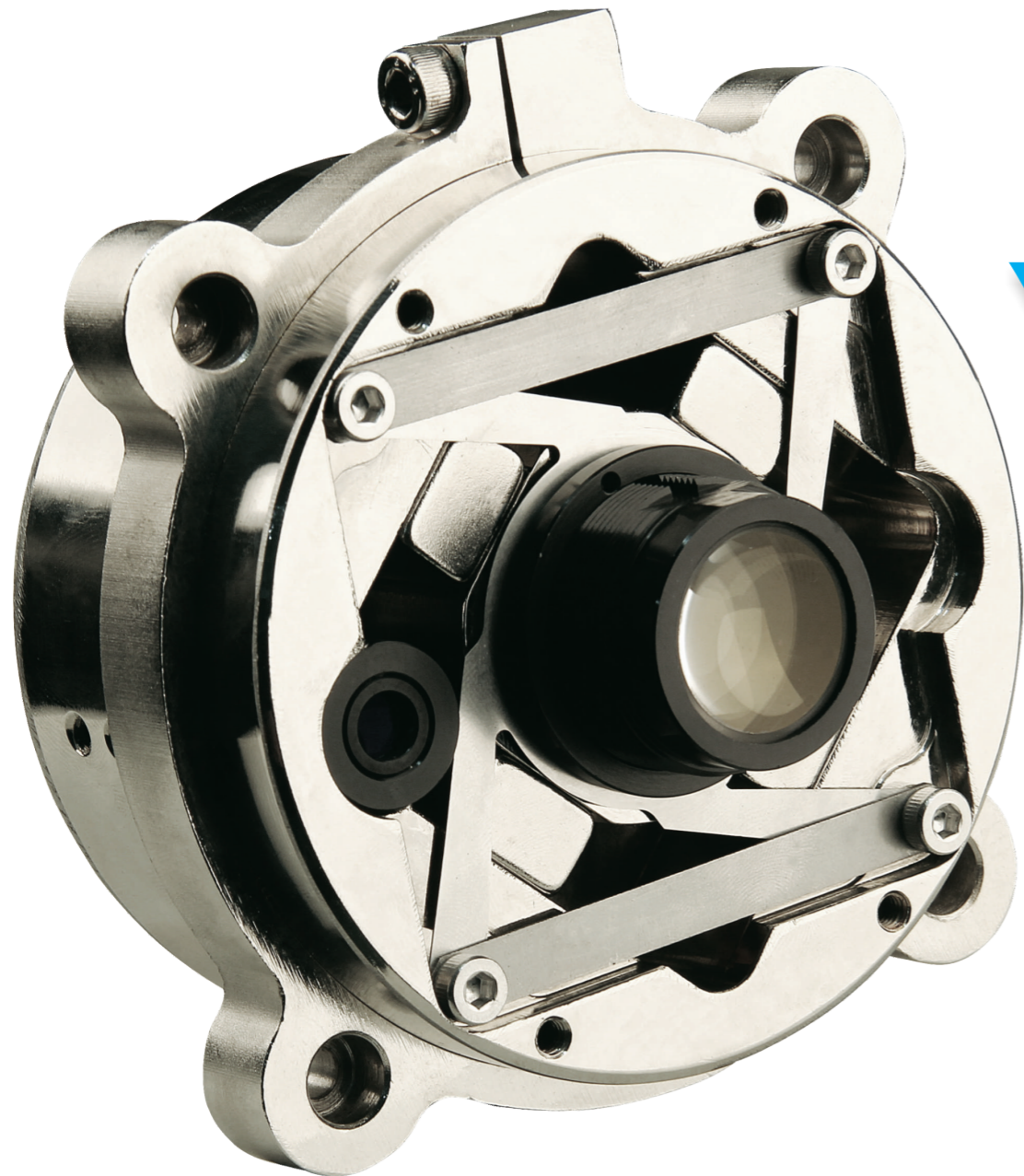
Service express system



High capacity cassette

## Top engineers achieve top technology

Amsky's R&D engineers have accomplished many patented technologies in the international level laboratory with the top equipment in the world. And the high-level technologies are the guarantee of the "best user experience" made by Amsky. Amsky will always stick to the principle of chasing the "best user experience" by doing research and innovation.



## Dynamic autofocus

Focus! Accurate Focus! Among various features of CTP, nothing is more important than accurate control of focus.

Perfect quality always originates from the consistent precision of laser spots.

With the third generation of dynamic autofocus technology, the accurate position measuring system of Amsky CTP can directly detect minute distance change to 0.1 microns. Driven by voice coil motor, it can also trace any changes in focal length at an incredible acceleration of 30G to ensure the continuous accuracy of focal length. The combination of these unique features not only guarantees the deviation of density in a full page of tint, but also avoids blue marks and blurs caused by tiny dusts on the drum surface.

The third generation dynamic autofocus technology perfectly interprets the ideal of "instantaneous response and meticulous accuracy".



## Technology of DDS frequency multiplication and drum auto balance

The technology of DDS frequency multiplication ensures phase position to jitter within 0.03125 pixels and ensures the exposed lines to be both vertical and horizontal.

Auto balance system of drums takes no more than 5 seconds to adjust the drum balance block to a new position, instantaneously switching plates with different sizes.

## Accurate graphic size calibration

CTP with external drum has many advantages. However, multichannel scanning may cause the parallelograms distortion in the graphics. Amsky's unique technology of graphic calibration enables graphics to present perfect rectangles and eliminates dimensional deviation caused by different thickness of plates.

The registration accuracy of one Amsky CTP is 5 microns. Between two CTPs, it can be within 15 microns after being calibrated.



## Fast balance & auto switch of laser beam

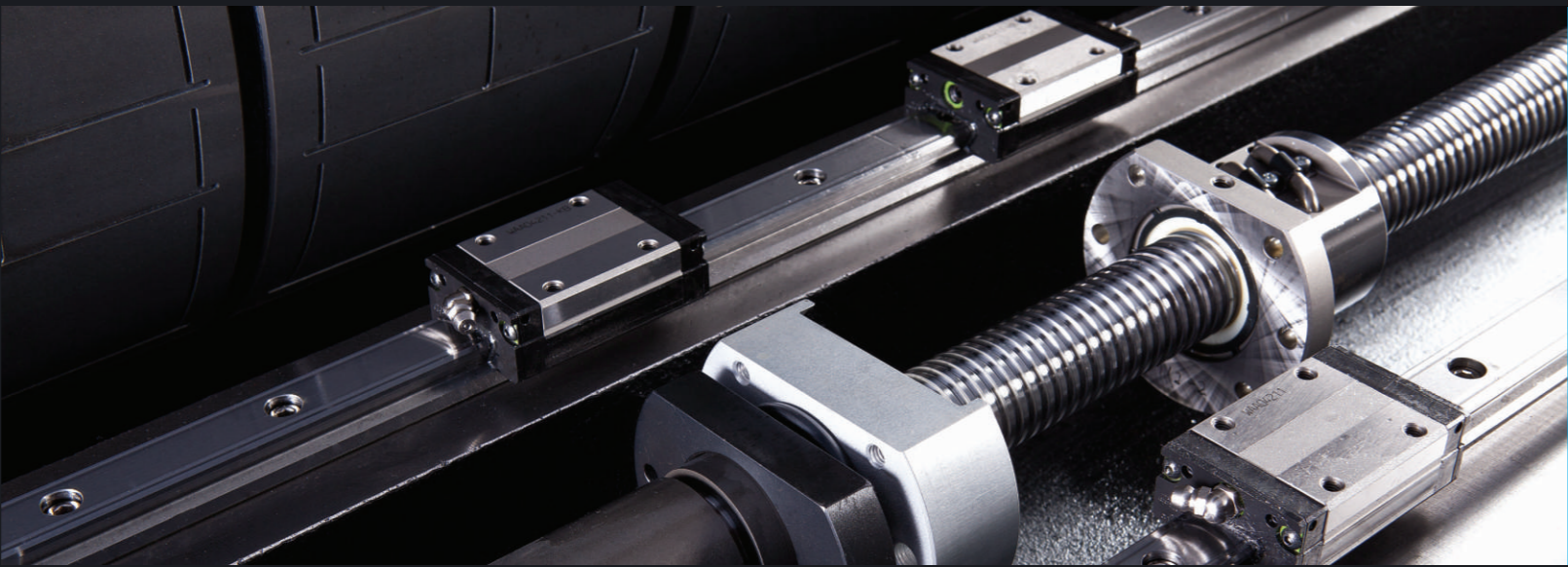
During the plate loading and unloading period, our laser beam balancing system can accomplish the detection and adjustment of all laser energy within few seconds. Laser power can be calibrated automatically before exposure without influencing the speed of plate outputting, so that each laser will be exposed on the plate with the same power, and all lines and dots are full and identical on every plate.

When any laser channel breaks down, laser beam auto switch system can continue outputting through the longest consecutive channel that remains working to ensure non-stop production and offer users stable and superior practical experience.

## Auto constant thermostatic control of laser box

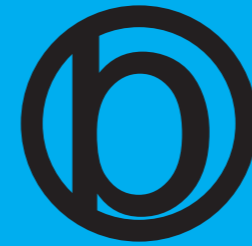
The temperature control system in laser thermostatic shielding box can automatically make two-way adjustment to the inside temperature with a minimum accuracy of 0.1 degrees. Under optimum temperature condition, the output of laser is more stable and the life of laser is greatly lengthened.

Exceptional manufacture, delicate perfection.



Amsky uses the world-class lasers, state-of-the-art A0 grade roll bearing leading screws, ball bearing rails, and high accurate external drums with ceramic surface. The amplitude of repeatability is less than 8 microns, but the drums will be never worn out. Carried with top-class design and manufacture technology, Amsky offers you practically perfect CTPs.

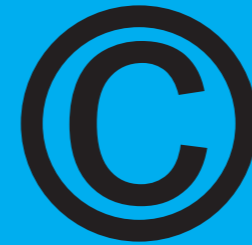
## Highly reliable plate clamping system



Highly reliable plate clamping system has passed the fatigue test and durability test.

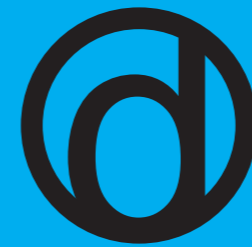
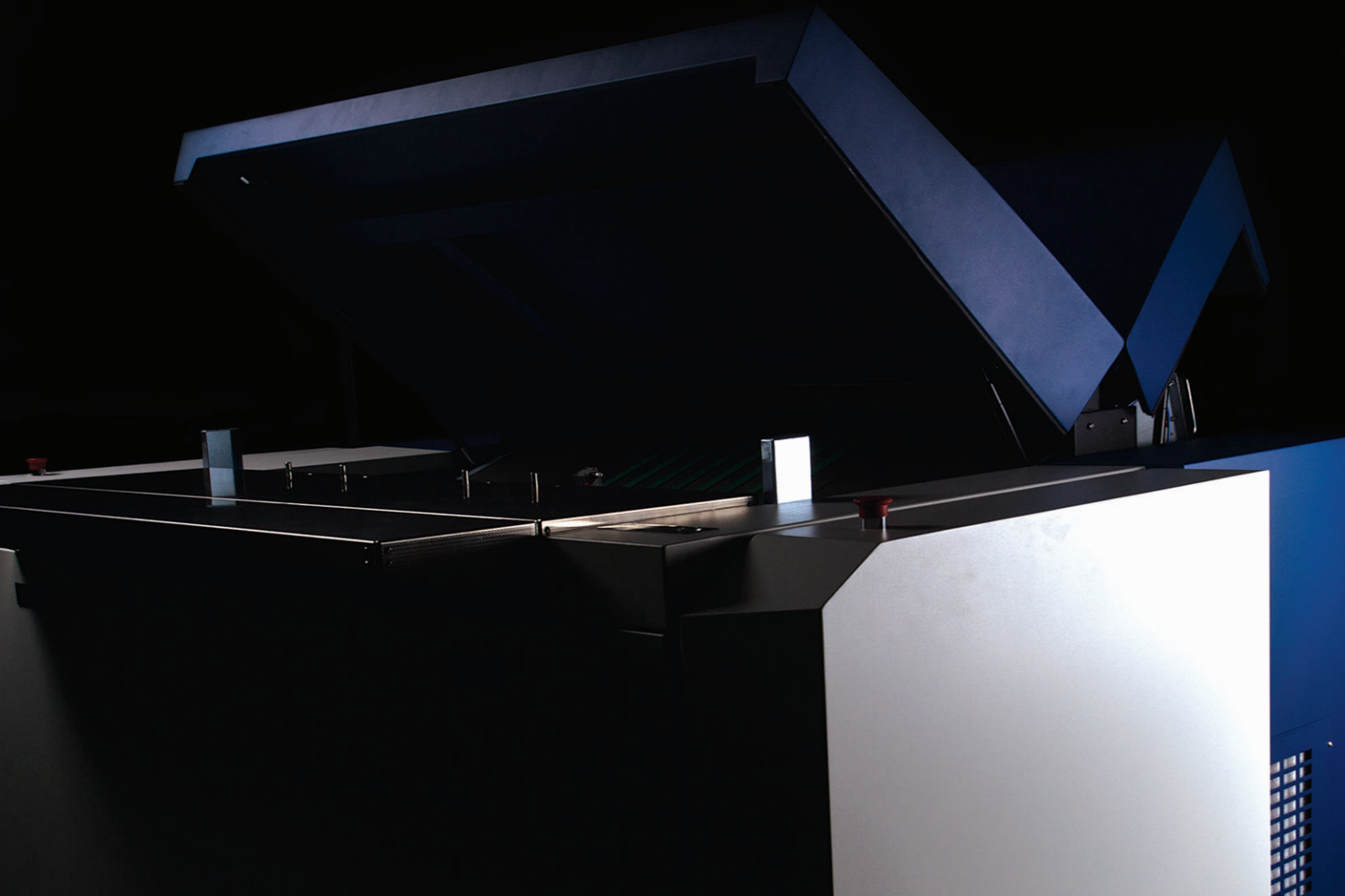


**Amsky Aurora overlapping loading system can complete plate loading and unloading automatically and promptly**



Amsky Aurora overlapping loading system can get ready for the next plate while the last one is being exposed. It can also automatically and continuously complete plate loading and unloading to bring users more effective practical experience.

**Autoload system connected with CTP and plate processor enables the smooth completion of plate loading, making and processing.**



Amsky Autoload system provides high capacity cassette with maximum capability of 150 plates at a time. Its interleaving papers can be removed automatically when plates are being taken out. Working with overlapping loading system, it can conduct automatic exposing easily, quickly and consistently. Amsky Autoload system can not only minimize the quantity of operators, alleviate their workload, and at the same time significantly improve the output efficiency.

## Small-sized printing enterprises

Recommended product: Ausetter 400 series

Suitable plate: UV plate and thermal plate.  
Selectable model: 32 channels, 48channels, 64channels.  
Supported printing resolution:2400dpi.  
Maximum size of plate: 800mm×660mm.  
Characterized with its low cost feature, Ausetter 400 series is the best entry level choice for small-sized printing enterprises.



## Large and medium-sized printing enterprises

Recommended product: Ausetter 800 series

Suitable plate: UV plate and thermal plate.  
Selectable model: 32 channels, 48channels, 64channels.  
Supported printing resolution:2400dpi.  
Maximum size of plate: 1130mm×920mm.  
Ausetter 800 series is the best entry level choice for large and medium-sized printing enterprises.



## Large-sized printing enterprises

Recommended product: Aurora U8128

Output 55 plates/hour in an ultimate speed under the resolution of 2400dpi (Plate width: 800mm)  
Autoloader is selectable, which provides high capacity cassette with maximum capability of loading 150 plates at a time  
Achieved automatic printing process by working with processor

## Pioneer in press industry

Recommended product: Aurora U8128N

Output 70 plates/hour in an ultimate speed under the resolution of 1200dpi (Plate width: 745mm)

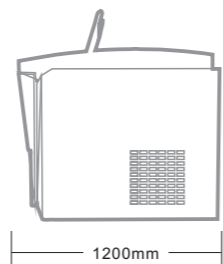
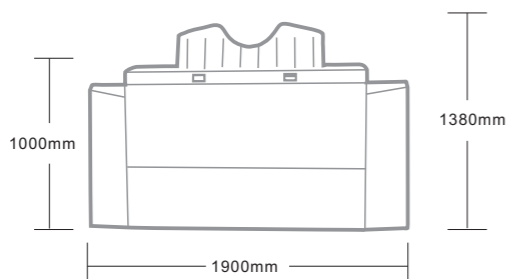


## Large breadth output

Recommended product: Ausetter 5580U

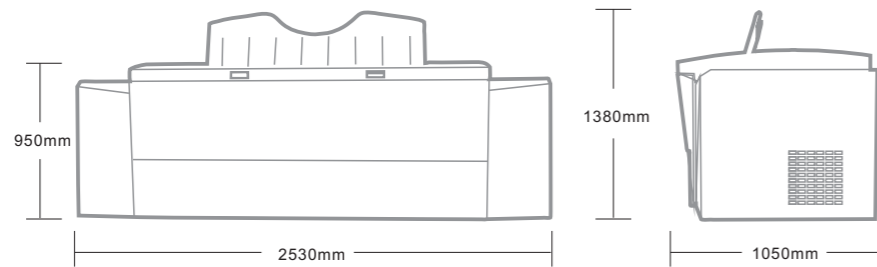
Output the plate with its maximum size of 2032mm×1400mm under the resolution of 2400dpi.  
Ausetter 5580U is the best choice for large breadth output





## Amsky Ausetter 400 series technical specifications

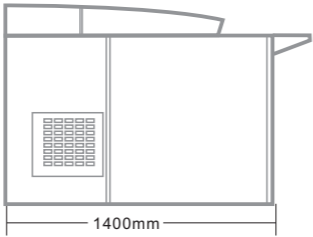
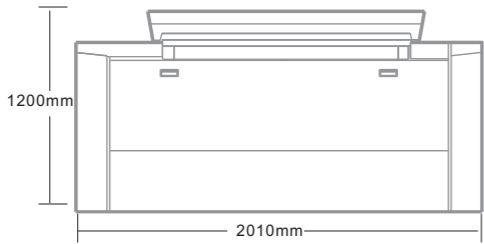
Mode	U 424	U 432	U 448	T 424	T 432	T 448
Exposing Method	External Drum					
Imaging System	24-channel	32-channel	48-channel	24-channel	32-channel	48-channel
	Discrete 400-410nm laser			Discrete 830nm laser		
Output Speed	16plates/hour	22plates/hour	28plates/hour	16plates/hour	22plates/hour	28plates/hour
	800 × 660mm 2,400dpi					
Plate Size	Max.800 × 660mm, Min. 400 × 300mm					
Exposing Size	Max.800 × 646mm					
Media Type	UV plate, high-sensitive PS plate			Thermal plate		
Plate Thickness	0.15mm ~ 0.3mm					
Resolutions	2,400dpi					
Repeatability	± 5µm(Continuous exposure over four times on the same plate with a temperature of 23°C and 60% RH )					
Interface	USB2.0/USB3.0(Recommended option is USB2.0)					
Plate Loading	First manual, then autoloader					
Net Weight	800KG					
Device Size	1,900 × 1,200 × 1,000mm(W × D × H)					
Power Supply	Single phase:200V-240V; Max power(Peak value):4KW					
Environment	Recommended temperature: 21-25°C Allowable temperature: 18-26°C Humidity: <70%					



## Amsky Ausetter 800 series technical specifications

Mode	U 832	U 848	U 864	T 832	T 848	T 864
Exposing Method	External Drum					
Imaging System	32-channel	48-channel	64-channel	32-channel	48-channel	64-channel
	Discrete 400-410nm laser			Discrete 830nm laser		
Output Speed	16plates/hour	22plates/hour	28plates/hour	16plates/hour	22plates/hour	28plates/hour
	1,030 × 800mm 2,400dpi					
Plate Size	Max. 1,130 × 920mm, Min. 400 × 300mm					
Exposing Size	Max. 1,130 × 904mm					
Media Type	UV plate, high-sensitive PS plate			Thermal plate		
Plate Thickness	0.15mm ~ 0.3mm					
Resolutions	2,400dpi					
Repeatability	± 5µm(Continuous exposure over four times on the same plate with a temperature of 23°C and 60% RH )					
Interface	USB2.0/USB3.0(Recommended option is USB2.0)					
Plate Loading	First manual, then autoloader					
Net Weight	900KG					
Device Size	2,530 × 1,050 × 950mm(W × D × H)					
Power Supply	Single phase:200V-240V; Max power(Peak value):4KW					
Environment	Recommended temperature: 21-25°C Allowable temperature: 18-26°C Humidity: <70%					

# Amsky Aurora 800 series technical specifications



Mode	U 832	U 848	U 864	T 832	T 848	T 864
Exposing Method	External Drum					
Imaging System	32-channel	48-channel	64-channel	32-channel	48-channel	64-channel
	Discrete 400-410nm laser			Discrete 830nm laser		
Output Speed	16plates/hour	22plates/hour	28plates/hour	16plates/hour	22plates/hour	28plates/hour
	1,030 × 800mm 2,400dpi					
Plate Size	Max. 1,130 × 920mm, Min. 510 × 400mm					
Exposing Size	Max. 1,130 × 904mm					
Media Type	UV plate, high-sensitive PS plate			Thermal plate		
Plate Thickness	0.15mm ~ 0.3mm					
Resolutions	2,400dpi					
Repeatability	± 5µm(Continuous exposure over four times on the same plate with a temperature of 23°C and 60% RH )					
Interface	USB2.0/USB3.0(Recommended option is USB2.0)					
Plate Loading	Alternative autoload system					
Net Weight	1,200KG					
Device Size	2,010 × 1,410 × 1,200mm(W × D × H)					
Power Supply	Single phase:200V-240V; Max power(Peak value):4KW					
Environment	Recommended temperature: 21-25°C Allowable temperature: 18-26°C Humidity: <70%					

# 70 plates/hour









## High speed output



### Aurora U8128N

Solutions for newspaper plate-making

High speed	Output 70 plates/hour under the resolution of 1200dpi(Plate width: 745mm).
Easy	Amsky provides high capacity cassette with maximum capability of 150 plates at a time.
Convenient	Amsky combines autoloader, CTP, processor and auto plate collector altogether to achieve the automatic printing process. Only one person can finish the whole output process.
Stable	Dynamic autofocus technology and channel auto switch technology bring user ultimate stable outputting experience.
Flexible	Users can manually insert the plate for temporary job during the continuously high speed plate printing.
Economic	Traditional plate is also applicable.

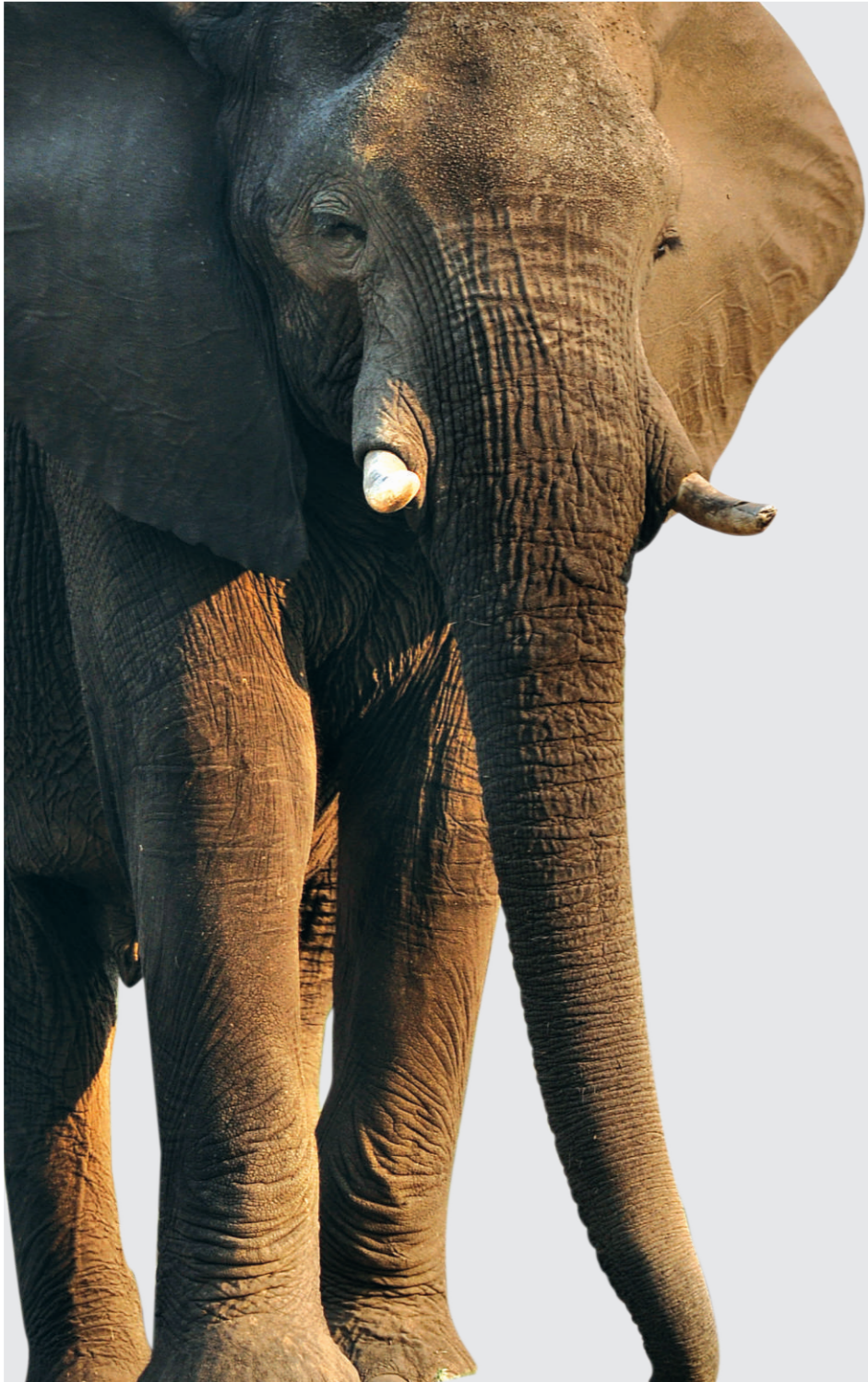
			
Dynamic autofocus	Auto switch of laser beam	Automatic constant temperature in dual-direction	Overlapping loading system
			
Applicable traditional plate	Energy auto balance	Technology of DDS frequency multiplication	High efficiency plate clamping system



## Amsky Aurora U8128 technical specifications

Mode	U 8128	U8128N
Exposing Method	External Drum	
Imaging System	128-channel	
	Discrete 400-410nm laser	
Output Speed	45 plates/hour	70 plates/hour
	1,030mm×800mm 2,400dpi	745mm×605mm 1,200dpi
Plate Size	Max. 1,130×920mm, Min. 510×400mm	
Exposing Size	Max. 1,130×904mm	
Plate Type	UV plate, high-sensitive PS plate	
Plate Thickness	0.15mm ~ 0.3mm	
Resolutions	2,400dpi	1,200dpi
Repeatability	± 5μm(Continuous exposure over four times on the same plate with a temperature of 23°C and 60% RH )	
Interface	USB2.0 / USB3.0 (Recommended option is USB2.0)	
Plate Loading	Alternative autoload system	
Net Weight	1,200KG	
Device Size	2,010 × 1,410 × 1,200 mm (W × D × H)	
Power Supply	Single phase:200V-240V; Power:4KW	
Environment	Recommended temperature: 21-25°C Allowable temperature: 18-26°C Humidity: <70%	





**Large size with perfect  
performance**

**CTP with large breathe  
Ausetter V Series**

Amsky Ausetter V series CTP with large breathe can output the 1400mm×2032mm plate under the resolution of 2400dpi with perfect performance in the large space.

Ausetter V series CTP provides thermal device and UV device for users.



## Amsky Ausetter v series technical specifications

Mode	4658T	4658U	5569U	5569T	5580U	5580T
Exposing Method	External Drum					
Imaging System	64channel					
	Discrete 405nm laser	Discrete 830nm laser	Discrete 405nm laser	Discrete 830nm laser	Discrete 405nm laser	Discrete 830nm laser
Output Speed	14 plates/hour		12 plates/hour		10 plates/hour	
Max Plate Size	1,168 × 1,473mm		1,400 × 1,750mm		1,400 × 2,032mm	
Min Plate Size	508 × 394mm					
Media Type	UV plate	Thermal plate	UV plate	Thermal plate	UV plate	Thermal plate
Plate Thickness	0.15mm–0.4mm					
Resolutions	2,400dpi					
Repeatability	± 5 μ m ( Continuous exposure over four times on the same plate with a temperature of 23°C and 60%RH )					
Interface	USB2.0/USB3.0(Recommended option is USB2.0)					
Plate Loading	Alternative autoloader system					
Net Weight	2,600KG		2,600KG		2,800KG	
Device Size	2,880×1,310×1,310mm ( W×D×H )		2,880×1,310×1,310mm ( W×D×H )		3,170×1,310×1,310mm ( W×D×H )	
Power Supply	Single phase:200V-240V; Max power(Peak value):4KW					
Environment	Recommended temperature: 21-25°C Allowable temperature: 18-26°C Humidity: <70%					



### Auto switch of laser beam

Stabilize the outputting.



### Energy auto balance

Calibrate before every plate loading process, so that each laser exposes on the plate with the same power, and all lines and dots are full and identical on every plate.



### Automatic constant temperature in dual-direction

The temperature control system in laser thermostatic shielding box can automatically adjust the constant temperature in dual-direction. Under optimum temperature condition, the output of laser is more stable and the life of laser is greatly lengthened.



### Applicable <sup>\*1</sup> traditional plate

Accurate output on traditional PS plate; Lower the cost of plate 32%.



### High capacity cassette <sup>\*2</sup>

Amsky provides high capacity cassette with maximum capability of 150 plates at a time. And the minimum number of operator is one.

## S

Stability

## E

Economic



## F

Fast



### Overlapping <sup>\*3</sup> loading system

Aurora overlapping loading system can get ready for the next plate while the last one is being exposed. It can also automatically and continuously complete plate loading and unloading to bring users more effective practical experience.



### High efficiency plate clamping system

High efficiency plate clamping system has passed the fatigue test.



### Technology of DDS frequency multiplication and drum auto balance

The technology of DDS frequency multiplication ensures that the jitter value of phase position is within 0.03125 pixels and ensures that the exposed lines to be both vertical and horizontal.



### Dynamic autofocus

With the third generation of dynamic autofocus technology, the focus should always be accurate to avoid the blue marks and blurs caused by tiny dusts on the drum surface.

## A

Accuracy

Notice: \*1 refers to the UV CTP; \*2 Aurora series CTP; \*3 Only Aurora series have this function



**Amsky**

## About Us

1994, when Polytech, the former company of Amsky, was founded, we have been committed to the sales and service of equipments and materials in prepress domain. In the year of 2000, we started the research and development of CTP. And in 2003, an international-level R&D center of CTP was established in Hangzhou.

In 2006, Amsky was founded and the Alpha900 series of CTP was officially launched. Relying on the powerful ability in researching and developing technology, we were financed by international venture investment, and were becoming into a high-tech enterprise specializing in R&D of digital technology, manufacture of prepress equipment and sales of prepress consumables.

In 2007, Amsky brought the initial leasing service mode of CTP into China market. Since then, Amsky had become the first to successfully integrate CTP sales with continuous CTP service, which offers customers an applicable CTP sales mode with high-quality equipment, low entry level and low cost.

In 2009, with its powerful ability of R&D, Amsky has made constant breakthrough in technology, and had brought the products into a higher quality standard. Amsky also successively combined CTP products with fast balance of laser beam, auto switch of laser beam, auto constant thermostatic control of laser box, technology of DDS frequency multiplication and drum auto balance, and it also successfully applied autofocus system to Amsky's optical carriage of CTP equipment.

In 2011, Amsky's sales and services had covered 40 countries and regions. Meanwhile, Amsky had also become an equipment supplier offering CTP solutions to many newspaper groups.

In 2012, Amsky dedicated to the Drupa 2012 with several series of CTP devices, and also expanded its sales and service into the global printing market for more than 50 countries and regions.