OFFLINE AND ONLINE PLATE BAKING OVEN

Box Type Plate Baking Oven –

Model	BAKEMAC box type plate baking oven	
	85 BX	**110 BX**
Plate area (mm)	1150 x 950	1450 x 1200
Placement quantity (page)	16	
Electro thermal temperature	Adjustable, 20-250 degree C	
Baking time	Adjustable, 0-999 minutes	
Power supply	380 V 3 phase 50/60 Hz 20 A (can be changed to 220 V)	
Power	12 KW	16 KW
Mechanical size (mm)	1650x1280x2250	1650x1680x2250
Net weight (kg)	320	420
Gross weight (kg)	420	520

Online Plate Baking Oven –

Model	BAKEMAC	
	85 BO	**125BO**
Plate Width	850mm	1250mm
Baking Temp	230-250 degree C	230-250 degree C
Baking time	2.5-7 min	2.5-7 min
Power	380 V 5 KW	380 V 8.5 KW
Mechanical size (mm)	2000x1100x1050 mm	2000x1500x1050mm
Net weight (kg)	300 KG	400 KG

McLantis is the first company in China with independent research and development of plate-making equipment in 2001. In 2003, McLantis began the development of CTP equipment, now McLantis has become one of the leading manufacturers of CTP industry. McLantis provides customers the first-class products and first-class service, sustainable innovation and efforts.

Insight is India's largest distributor of Graphic Arts Solutions, serving printing industry for more than 2 decades. Insight is market leader in prepress installations, high-end large format inkjet printing solutions, Sign & Display and Offset Machines
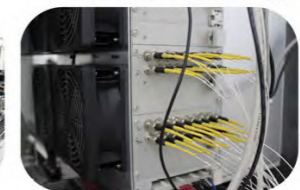
Technology Advantage –

→ Ceramic External Drum
→ Smart Laser Technology
→ Strong Marble Chassis
→ Linear Motor System
→ Auto Edge Detector
→ Smart Laser Head

Ceramic External Drum   Smart Laser Technology   Strong Marble Chassis

Linear Motor System   Auto Edge Detector   Smart Laser Head

McLantis Solution –

→ UV CTCP Platesetter
→ CTCP Processor
→ Offline and Online Plate Baking Oven

UV CTCP PLATESETTER

Model	MACSETTER 800		
	328 U	**488 U**	**648 U**
Light Channels	32 beams	48 beams	64 beams
Output Speed (Plate/ Hour)	16 p/h	22 p/h	29 p/h
	For 1030 x 800 mm, 2540 dpi		
	21 p/h	31 p/h	35 p/h
	For 745 x 605 mm, 2540 dpi		
Light Source	405 nm Laser Diode		
Repeatability	+/- 5 microns		
Interface	1000 base-T		
Output Resolution	2540 dpi (commercial printing), 1200 dpi (newspaper printing), 3657 dpi, 4800 dpi is optional		
Dot Reproduction	1%-99%		
Register Accuracy	Within 0.01 mm		
Plate Size	Max. 1160 x 940 mm, Min. 400 x 300 mm		
Suitable Plates	CTCP Plate or high sensitive PS plate		
Plate Thickness	0.15 – 0.40 mm		
Loading/ Unloading	Loading: Semi-automatic (Standard Set); Unloading: Automation; Vaccum Fixation		
Plate Balance	Automatic Balance		
Environment	Temperature 25 degrees C+/- 3 degrees C, Humidity 40-70% (Non-condensing)		
Machine Dimension	2020 x 1000 x 930 mm (W*D*H)		
Net Weight	1500 kg		
Power Supply	5.5 Kw/220 V+/-5%, 50/60 Hz		
Optional	Vertical plate auto loader		

Features –

1. Suitable for 405 nm CTCP plate and high sensitive conventional plate
2. Smart laser beam can continue working when there is failing laser diode
3. Strong ceramic external drum ensures high precision of plate calibration
4. Auto plate size calibration and auto balance
5. Auto unloading can connect to online plate processor
6. Stable motor clamp press ensures low power consumption
7. Semiconductor cooling system ensures laser stable performance
8. Strong marble chassis and aluminium frame ensures long service life

CTCP PLATE PROCESSOR

Model	PROCEMAC			
	90 PT	**125 PT**	**150 PT**	**165 PT**
Preocessing Plate	Thermal CTP plate or CTCP plate			
Capacity	12-90 m/hr			
Plate width (mm)	900	1250	1500	1650
Min. Plate length (mm)	300	400	400	400
Plate Thickness (mm)	0.15 – 0.4			
Tank content, developer (L)	45	60	75	100
Tank content, wash (L)	35	45	60	80
Adjustable Temperature, dev	0 to 40 degrees C. adjustable			
Adjustable Temperature, dry	Normal temperature to 70 degree C.			
Water consumption, max	8 L/min	12 L/min	15 L/min	20 L/min
Diameter of wash brush (mm)	50			
Rotary speed of wash brush	80 rpm			
Filter (um)	75			
Water supply	Tap water (min. pressure 1 bar)			
Gumming	Roller pressing gumming			
Diameter of roller	60 mm			
Dev. Replenishment	0-1 L per plate			
Dev. Heating-up rate	0.5 degree C. per minute			
Horizontal adjustment	Adjustable			
Power supply	220 V 1 phase 50-60 Hz			
Power consumption (kwh)	3.5	4.5	5	6
Voltage Fluctuation	Within 10 %			
Gross Weight (Kg)	500	650	780	900
Net Weight (Kg)	400	550	650	770

Features –

1. Exquisite Design and Enduring Duralumin Material –
   a. Built with highly acid-resistant duralumin materials and PVC tank inside, McLantis processor is designed with long operation life.

2. Precise Electronic Controls –
   a. Equipped with Precise Siemens PLC control, McLantis processors operate the develop-wash-gum-dry process smoothly without any letup.

3. Easy Operation and Maintenance –
   a. McLantis processors can be connected to most thermal CTP brands and operates online or offline. Suitable for most brands 0.15 mm - 0.4 mm thermal plates.
   b. Convenient access to all serviceable components.

4. Superior Plate Developing Performance –
   a. Developing processing roller assures no damage to the plate surface and two sets of brushes assures sufficient development to the plate in McLantis processors. Equipped with automatic anti-oxidation detecting and replenishing system, McLantis processors accurately control developer concentration.

5 Independent Cooling System –
   b. Independent cooling system keeps the developing temperature fluctuation within 0.5 degree Celsius.

6. Environmental Friendly –
   a. Gumming process with automatic cleaning and recycling function. Energy saving and environmental friendly.