

TECHNICAL DATA SHEET OF CTP OMEGA MAXX PLATE

SPECIFICATION:

Type: Thermal Positive CTP Plate with double layer

Color: blue

Spectral Sensitivity: 830nm

Exposure Energy: 110-120mj/cm²

Resolution: 200lpi (1-99%)

Run-length: Normal ink: 100,000-200,000 (unbaked) UV ink: 50,000-100,000 (unbaked)

Remark: Run-length varies with its printing conditions and imaging content. Shelf time: 18 months

ADVANTAGES:

1. High sensitivity; (20% faster than STP-I)
2. Long run length; (double longer than STP-I)
3. Resistance against UV ink;
4. Good anti-aging;
5. Wide tolerance in development (better than STP-S)
6. Be capable of the operation in daylight room

RECOMMENDED EXPOSURE PARAMETERS:

For SCREEN 8600S: Focus: 2580; Zoom: 1000;

Drum speed: 900rpm;

Light: 90%

Remarks: adjust a little by different SCREEN series



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RECOMMENDED DEVELOPING PARAMETERS:

Dev. Temp.: 23°C (tested by a mercury thermometer)

Dev. Time: 25s

Brush Speed: 100 rpm

Replenishment by area: 100 ml/m²

Replenishment by time: 100 ml/h (or 50ml/30mins) The life of developing filter: 2-3 days

The change cycle of developer: 15 days or 1500 m²

Table1: Performance of CTP Omega Maxx Plate

	CTP Omega Maxx Plate
Type	Thermal positive
Coating Layer/color	Double/blue
Spectral sensitivity (nm)	830
Exposure (screen8600s)	90%
Speed (rpm)	900
Resolution	AM:1-99% (200 lpi) FM:20um
coating loss after developing (STPD-I, 23°C, 30s)	After immersion, weighs:5-8% Density loss: 3-6%
Anti-chimistry (25°C,50% IPA, rub the surface of the plate with finger)	180s
Run length	200,000
Anti UV ink	yes (80,000-100,000 in UV ink)
Anti aging	Sensitivity is same within 12 months, can be shipped by GP containers, storage in 10-30°C)
Developing data (recommend) :	STPD-I: 23°C, 25 秒 STPD-II: 23°C, 25 秒 STPD-S: 23°C, 25 秒
Developing latitude (STPD-I, 23°C, 30s)	±2°C或±10 秒
Adaptability of developer	Suitable for most kinds of developer

Table 2: The settings sheet of CTP Omega Maxx Plate for different platesetter

	0.15mm		0.27mm		0.38mm	
	Drum Speed(rpm)	Laser power	Drum Speed	Laser power	Drum Speed	Laser power
Creo Trendsetter 800I/800II	140	10W	140	10W	140	10W
Kodak Trendsetter 800II/800III	140	10W	140	10W	140	10W
Kodak Trendsetter 800II/800III	230	16W	230	16W	230	16W
Kodak Trendsetter 800IV	360	25W	360	25W	360	25W
Creo Lotem	900	210mW	900	210mW	900	210mW
Kodak Magnus 800	140	12W	140	12W	140	12W
Kodak Magnus VLF/1600			150	11W	150	10W
Kodak Trendsetter VLF/1600			150	10W	150	10W
Screen 8600S/8600SL	600	80%	900	95%	900	95%
Screen 8600Z	600	85%	900	100%	900	100%
Screen 8600N-S	600	85%	900	100%	900	100%
Screen 8600M-S	600	80%	900	95%	900	95%
Screen 8800N-S	200	100%	200	100%	200	100%
Screen 8800Z	100	100%	100	100%	100	100%
Screen 4300E	600	90%	800	100%	800	100%
Screen 4300S	600	90%	800	100%	800	100%
Screen 16000	200	100%	200	100%	200	100%
Screen 24000	200	100%	200	100%	200	100%
Heidelberg Topsetter	600	85%	900	95%	900	95%
Heidelberg Supra setter(one laser or two laser)	450	130mW	450	130mW	450	130mW
Heidelberg Supra setter(three laser)	500	130mW	500	130mW	500	130mW
Agfa Avalon N8-20-S (OEM Screen 8600Z)	600	85%	900	100%	900	100%
Fuji Luxel T-6300 (OEM Screen 4300E)	600	90%	800	100%	800	100%
Fuji Luxel T-9500 (OEM Screen 8600S)	600	80%	900	95%	900	95%
Fuji Luxel T-9800 (OEM Screen 8800N-S?)	200	100%	200	100%	200	100%
Amsky	900	260mW	900	260mW	900	260mW
Cron	900	180mW	900	180mW	900	180mW