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## LT-2 (CTP no pre-bake/ optional post-bake plate)

### Product Information Sheet

#### Technical Specification:

Coating	Non pre-bake POSITIVE acting plate photopolymer coating
Image color	Blue
Spectral sensitivity	830 nm (20W laser or larger is recommended)
Exposure energy	110mJ/cm <sup>2</sup>
Resolution	200 lpi from .5% to 99.5%, (10 micron stochastic certified)
Post-treatment	Can be baked to extend run lengths

#### Physical specification:

Substrate	1052-grade electrochemically grained aluminum
Gauges available	.006, .008, .012, .015

#### Handling:

Manual handling	Remove only those plates to be used immediately and reseal the package. Hold plates by edges and / or corners to avoid contamination, kinking and scratching. Avoid direct contact of the coating layer. The use of film cleaners wiped onto the plate surface prior to exposure is not recommended.
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Storage	The LT-2 plate should be stored in their original package and be protected from extremes of cold, heat, and humidity. The preferred storage temperature is between 59° - 77°F (15° - 25°C). Relative humidity should be regulated not to exceed 60 %.
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The shelf life stored under these conditions is in excess of twelve (12) months.

Acclimatization	Plates should be allowed sufficient time to fully acclimatize in the room in which they are to be exposed. 24 hours is recommended.
Lighting conditions	No special lighting is required. Exposure to daylight is acceptable for short periods of time.

## Processing:

Chemicals	LT-2 Developer Replenisher (MT-920R) Finisher (GW-3) mixing ratio 1:1
Parameters	<p>The following are suggested initial processing program parameters for the Lastra thermal processors. Dependent upon environmental conditions, exposure, and plate volume throughput, these suggested values are subject to change:</p> <ul style="list-style-type: none"> <li>• PROCESSING SPEED <ul style="list-style-type: none"> <li>○ 24 – 28 seconds dwell time. This “window” as noted is a provision that will depend on the degree of developer activity along with correct laser energy output.</li> </ul> </li> <li>• DEVELOPER TEMPERATURE                      79 degrees F. (26 degrees C.)</li> <li>• DRYING TEMPERATURE:                      120 degrees F. (49 degrees C.)</li> <li>• PLATE AREA REPLENISHMENT              7 ml / sq. ft. (70 ml / sq. meter)</li> <li>• ON-TIME REPLENISHMENT                  120 ml / hour</li> <li>• OFF-TIME REPLENISHMENT                120 ml / hour</li> </ul>

### Replenishment settings via CO2 measurement:

**Developer replenishment** (Area) = 70ml/sq. meter or 7ml/sq. ft.

**EXAMPLE: “Inside Reading” – “Outside Reading” + 350 ppm**

- **Off-time**  
100cc/hr (CO2 < 500ppm)  
125cc/hr (CO2: 500 – 625ppm)  
150cc/hr (CO2: 625 – 750ppm)  
200cc/hr (CO2: 750 – 875ppm)  
250cc/hr (CO2: 875 – 1000ppm)  
300cc/hr (CO2 > 1000ppm)
- **On-time = Always set to same setting as Off-time.**
- When the processor is run 24 hours a day, an increase of 25% “**On-time**” and “**Off-time**” may be required to further stabilize developer activity.

Chemical change	8,000ft <sup>2</sup> or 30 days, which ever comes first. Change the filter (200 micron Lastra CTP Filters #124895) at every 4,000 sq. ft. or halfway through the developer’s life cycle.
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Every 10 Working days change-out the finisher. Always change the finisher when changing the developer, or if a distinct color change (blue) is noted.

Wash Water:

Daily / every shift

**Press:**

After mounting the plate on press, WET WASH with clear clean water or fountain solution mix. As an alternative to insure quick clean roll-ups, start the press and drop the water dampeners for several revolutions prior to engaging the ink form rollers.

Run length

100,000 / 1 million baked

Fount

Fountain solution should have a pH of between 3.7 and 5.5 for optimum running qualities for those printers utilizing acidified fountain solutions. Safe operating pH conditions for printers using alkaline fountain solutions are 9.0 to 10.5.

Pressroom Chemicals

Lastra Plate Cleaner / Conditioner  
Agfa FPC Finisher / Preserver / Cleaner (OK for cleaning, NG for storage)

Aqualith Deletion Pens  
Indelible Marker for Additions

Baking solutions for the LT-2 are:

Agfa RC510  
Agfa Thermotect.