Nytro™
Eco-Friendly, High Performance Thermal CTP Plate

- For web and sheetfed presses
- Image on 830 nm laser systems
- Up to 300 lpi AM screening
- 20 micron FM (stochastic) screening
- Fast imaging—up to 120 mJ/cm²
- Clean processing
- Eliminates high alkaline processing waste
- Lower energy use
- Run lengths up to 200,000 without preheating
- UV printing compatible

Nytro is a high performance no preheat thermal plate for quality conscious printers. Offering significant benefits over the competition, Nytro images on industry standard thermal platesetters and is well suited for a wide range of press types. Whether printing heatset, coldset or UV inks, sheetfed or web, Nytro provides high quality, consistent results every time.

Prepress Efficiency and Pressroom Quality
With Nytro, you’ll make no compromises in quality while gaining the advantages of a no preheat eco-friendly plate. With Nytro’s flexible processing latitude, after imaging, a range of processing configurations are possible. With fewer platemaking steps, low chemistry consumption, processing flexibility, and fast, high resolution imaging, Nytro gives you the ultimate combination of benefits to maximise your prepress efficiency.

Nytro’s proprietary photopolymer coating technology produces extremely sharp, hard and durable dot structures even at fine screen rulings. That combined with wide ink/water latitude on press and long run lengths, results in high performance and premium quality in the pressroom.

Nytro minimises both the environmental and financial costs associated with platemaking. Nytro uses less energy to image and process than competing plates. The no preheat/no bake feature of Nytro, combined with low chemistry use and an extended bath life with low replenishment rates, significantly reduces variables in processing and produces consistently higher plate quality. Further enhancing quality, Nytro’s hard, highly durable image structure provides high resolution and sharp definition.

**Nytro Plate Specifications**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Plate Type</strong></td>
<td>Thermal subtractive, photopolymer coating</td>
</tr>
<tr>
<td><strong>Substrate</strong></td>
<td>Grained aluminium</td>
</tr>
<tr>
<td><strong>Press Platforms</strong></td>
<td>Suited for a wide range of press types including heatset web, coldset web, and sheetfed</td>
</tr>
<tr>
<td><strong>Plate Sizes</strong></td>
<td>Common press sizes are available</td>
</tr>
<tr>
<td><strong>Plate Thickness</strong></td>
<td>.15 mm, .20 mm and .30 mm (.006”, .008” and .012”)</td>
</tr>
</tbody>
</table>
| **Run Length**           | No Preheat: Up to 200,000 impressions  
                          Preheated: Up to 300,000 impressions  
                          Post-baked: 1 million + |
| **Imaging Resolution**   | 1–99% dot at 300 lpi AM screening  
                          Supports 20 micron FM (stochastic) screening |
| **Spectral Sensitivity** | Thermal (diode and YAG) lasers, 830 nm |
| **Light Sensitivity**    | Stable for up to 24 hours in UV cut white light |
| **Processing**           | Low replenishment, biodegradable cleaning solution  
                          Clean processing—No redeposits, just clean processor with water at changeouts |
| **Operating Environment**| Daylight, 40–60% RH, 16–24° C (60–70° F) |

---

1 Net all plate sizes are available in all thicknesses; contact Presstek for availability.  
2 Special sizes and gauge thicknesses are also available.  
3 Actual run lengths may vary according to press, ink and paper conditions.  

Product specifications are subject to change.