

# :Amigo TS

## *Offset Plates: High Performance Thermal Plate Technology*

The next step in consistent, stable and reliable ThermoFuse™ technology, now offering higher speed, improved contrast and increased daylight stability for a demanding pressroom.

### **Fast, efficient and rich in contrast**

Agfa's new :Amigo TS uses ThermoFuse™ technology to deliver robust, high resolution plate performance. :Amigo TS is able to deliver the highest quality press results with remarkable chemical resistance and extraordinary processing latitude thanks to the use of physical, rather than chemical, plate processing. This means simple platemaking with consistently high quality, plate after plate without the variables seen with other, non-ThermoFuse technologies. :Amigo TS is daylight working for maximum convenience and can be processed in all standard plate processors. :Amigo TS delivers the ultimate in reliability, convenience and quality to the most demanding pressroom.



### **:Amigo TS - simplifying platemaking**

Platemaking has never been this simple and straightforward. :Amigo TS is tolerant to a wider range of exposure and processing variables than a standard chemically developed plate. That means more consistent plates with less effort. Even processor cleaning is easy with minimal levels of maintenance and upkeep required.

### **:Amigo TS - physical imaging**

By using Agfa's innovative and proven ThermoFuse™ Technology, which features purely physical image formation, many exposure variables are eliminated. :Amigo TS's coating is made up of millions of individual thermoplastic pearls. It is negative working, so the 830 nm laser diodes expose the image. In the exposed image areas, these thermoplastic pearls are heated, so melt and fuse together, as well as bonding firmly to the substrate.

### **:Amigo TS – simple processing**

In the unexposed areas, the pearls are very easily removed by washing the surface with a mild Clean Out Solution. Since the method of removing the non-image area is physical, rather than chemical, there is the widest possible processing latitude. Small variations in temperature, pH, activity or replenishment settings have little or no impact on the final press-ready plate. This ensures that platemaking is simple, predictable and reliable -plate after plate. The bath life is extremely long at more than 50m<sup>2</sup> per litre and :Amigo TS can be processed in any existing CtP or analogue plate processor.

### **:Amigo TS -superior press performance**

The inherent simplicity of platemaking with :Amigo TS ensures that the pressroom is supplied with a steady stream of the highest quality plates. The proven technology used in :Amigo TS's coating offers excellent chemical resistance, making :Amigo TS suitable for a wide range of sheetfed and web offset printing applications. Post baking will increase the run length significantly. The specially developed 'Flat Substrate Technology' ensures optimised ink/water balance, clean out and run length performance.

### **:Amigo TS - for high quality printing**

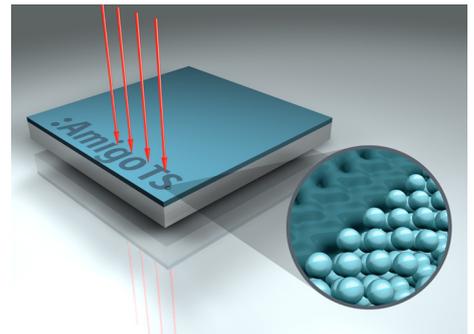
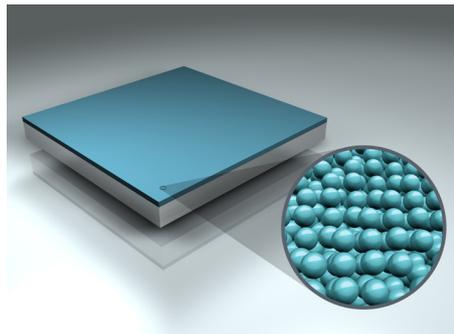
Plate to plate, week to week, the highly stable ThermoFuse™ technology means that images are highly predictable and not prone to change. This stability is important for reprints - you can be confident that the image will match time after time. The plate stability comes from the elimination of exposure and processing variables that are seen with chemically developed plates. This together with the excellent chemical resistance of the plate gives you all the ingredients for high quality printing.

## **:Amigo TS - Environmental benefits**

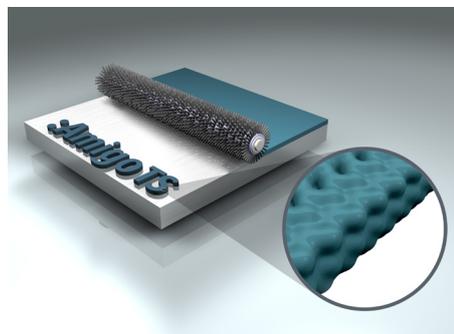
The :Amigo TS Clean Out Solution is used to remove the non-image areas at a top-up rate of 30 to 50mls/m<sup>2</sup>. This is a significant reduction over other CtP technologies and reduces waste generation and disposal costs.

Topping up of the Amigo TS Clean Out Solution is mostly to compensate for evaporation of the solution rather than actual usage to clean out the plate itself. Because a clean out solution is used there is also no need to compensate for pH or conductivity as is the case with conventional thermal processors.

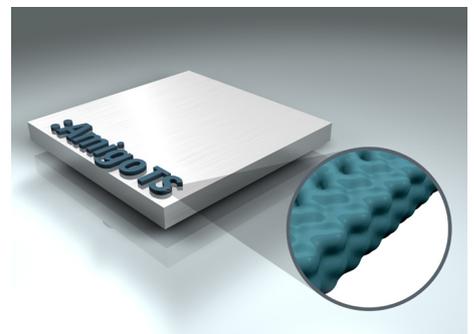
The :Amigo TS Clean Out Solution gives a long bath life and lower chemistry consumption, meaning less processor cleaning and maintenance - saving time and money. The remarkable cleanliness of the :Amigo TS system means exceptionally clean processors even at the end of a long chemistry cycle.



Infra-red energy from 830nm laser diodes exposes the image area. During this process the thermoplastic pearls absorb the heat energy and melt, forming an insoluble resin that is firmly bonded to the aluminium substrate. Unexposed areas remain unhardened and are easily removed with the Clean Out Solution. This physical imaging process is referred to as ThermoFuse™ technology.



The mild, wide-latitude :Amigo TS Clean Out Solution easily removes the soluble unexposed areas. Only the IR-exposed regions are resistant to the Clean Out Solution. It is the physical imaging that makes :Amigo TS development-free and gives the plate the exceptionally wide tolerances towards exposure and processing variations.



After clean-out only the image areas remain. The plate is gummed and ready for press. The use of Agfa's Flat Substrate™ Technology, which uses high quality graining and anodising, ensures a high quality, durable performance on press.

# :Amigo TS

## Suitable for a wide variety of applications

:Amigo TS is a multi-purpose plate that has proved suited to many different types of press work. :Amigo TS works on any suitable 830 nm thermal plate setter and tolerates fluctuations in laser energy with practically no affect on image quality. Plate processing is simple and clean, :Amigo TS can tolerate processing variations with the same wide latitude as it can tolerate exposure variations.

## Versatile, robust performance

Using the highest quality grained and anodised substrate, :Amigo TS delivers the press performance and versatility that you would expect from Agfa. Fast make-ready and stable ink/water balance ensure that your press will deliver the best quality and fast results.

### Plate Specifications

Sensitivity	180mJ/cm2
Resolution	1-99% with :Sublima 240, 200 lpi and 25µm FM 2-98% with ABS, 200 lpi
Pre-Heat	No
Handling	Daylight
Non-Image Removal	Amigo TS Clean Out Solution
Replenishment rate	30-50mls/m2
Availability	All standard sizes and gauges
Run length	Up to 200,000* unbaked
Processors	All standard analogue or thermal processors
Substrate	High quality grained and anodised aluminium

\*depending on press and imaging conditions.

### Agfa Graphics' Optimized Pressroom Chemicals

Plate cleaner	ANTURA CtP Plate Cleaner
Washout gum	ANTURA CleanGum
Deletion pen or gel	KP010, KP011 or KP012
Normal short-term storage (max 7 days)	RC795A
Baking gum	RC510
Desensitizer	PlateEtch Plus
Scratch Remover	Reviva Plate
Fountain solutions	:Amigo TS is compatible with all Agfa fountain solutions.
Roller and blanket washes	:Amigo TS is compatible with all Agfa roller and blanket washes.

**A chemical passport indicating the most appropriate chemistry is available for all AGFA plates. Not all plates are available in every region. Contact your local Agfa representative for more information.**