

4-up thermal platesetter

**:Acento**

### **High-quality Thermal Platesetting for 4-up (660 mm) Printing**

:Acento brings today's commercial and package printers the high-quality digital plates they need to stay competitive. Whether you require the highly productive **:Acento S** or the cost-effective **:Acento E**, you are assured of a winning combination of exceptional imaging and rock-solid reliability. Streamlined operation and uncompromising image quality will allow you to handle more of even the most demanding jobs more profitably.

Both models come with an optional inline punching system. The **:Acento L50, L100** and **L300** plateloaders offer maximum convenience and automation.

Agfa's top-of-the-line :Acento platesetters can be used to image **:Thermostar Plus** and **chemistry-free :Azura** thermal printing plates.

# :Acento E :Acento S

## :Acento, thermal platesetters fast, reliable and affordable

:Acento S and :Acento E systems support sizes of 830 x 660 mm (32.7" x 26"). They are also capable of handling output for smaller presses with a minimum plate size of 324 x 370 mm (12.8" x 14.5").

:Acento technology provides *precise and consistent dot reproduction and fast plate clean up*. The external-drum platesetters are manufactured with innovative components and state-of-the-art technology that offer unequalled quality, reliability and ease-of-use. They can be loaded manually or with the online Plateloader for a completely integrated and fully automated system.

### **High throughput**

:Acento provides fast and highly reliable platemaking — the key to a highly productive printing operation.

- :Acento E operates at standard speeds of 10 plates/hour
- :Acento S provides high throughput of 20 plates/hour. With the :Acento S, you will be able to rapidly respond to last-minute jobs during peak periods.

### **Fully automatic plate size adjustment**

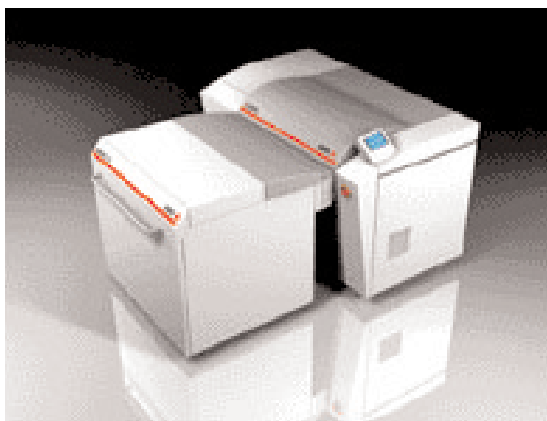
A unique auto-balance feature lets you use different plate sizes without requiring any manual adjustments for correct drum balance. You simply select the required plate size and the auto-balance feature ensures perfect drum balance for each plate size you use.

### **Fast plate production**

Even when used in a manual configuration, the :Acento features separate loading and unloading bays, so that one printing plate can be prepared for loading while another one is being imaged. This ensures that even in its most cost-effective configurations, :Acento is the perfect productivity enhancer for your prepress department.

### **Automatic inline punching**

The integrated inline punching system of the :Acento enables perfect register on the press. Punch configurations for all major printing press types are available. When plates come off the :Acento, you can immediately mount them on the press, carrying the maximum productivity of :Acento directly into the pressroom.



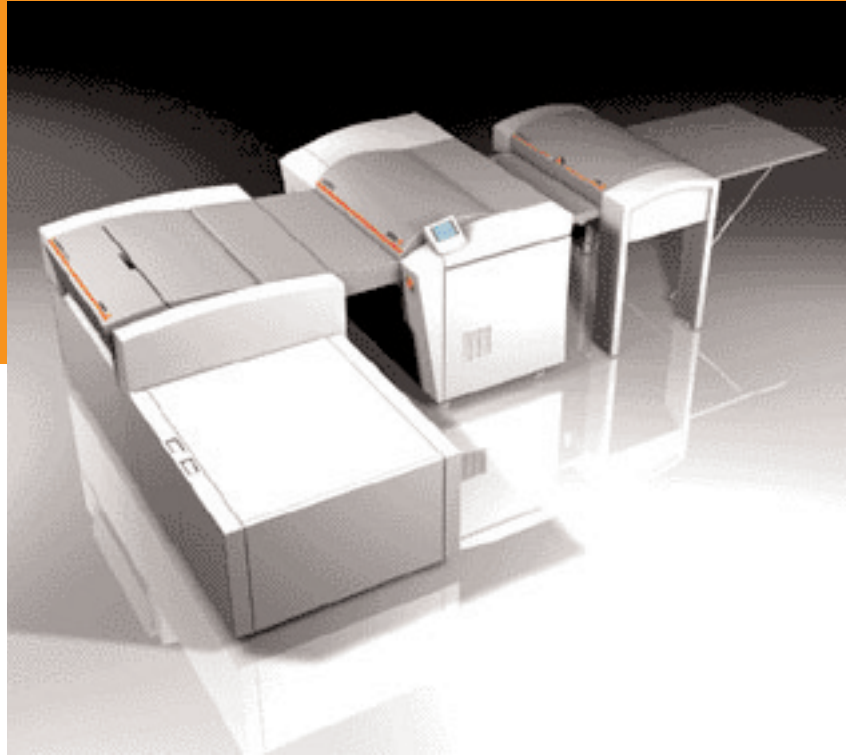
:Acento L50 can hold up to 50 plates

### **Fully automation for your operation**

The :Acento series of plateloaders bring powerful benefits to your prepress workflow by keeping plate production moving at maximum speed while freeing up personnel to do more strategic work.

- The :Acento L50 plateloader holds up to 50 plates
- The :Acento L100 plateloader holds up to 100 plates
- The :Acento L300 plateloader comes standard with three cassettes and enables up to 300 plates of three different sizes to be loaded and imaged without operator intervention.

Both the L100 and L300 are equipped with an automatic slipsheet removal system.



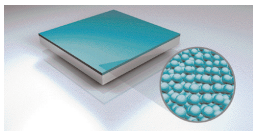
*The full fledged :Acento S with L300 PlateManager and :Azura C85 unit. All :Acento machines stand for trouble-free operation, day by day.*



*Exceptional quality for a wide variety of print jobs.*

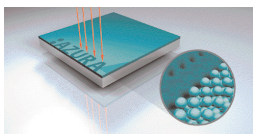
## :Azura chemistry-free plates.

Agfa's mission is to develop innovative solutions that respond to your quality and productivity needs. Based on proven technology, the :Azura plate eliminates harsh chemical processing to give you a high-performance, highly productive and environmental friendly aluminium plate.



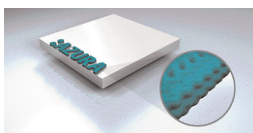
### Unexposed :Azura plate.

The single layer coating contains ink accepting thermoplastic particles.



### Exposed :Azura.

The coating absorbs energy from the 830 nm laser source. This fuses, the thermoplastic particles which bond to each other. The particles also bond firmly with the grained and anodised aluminium base.

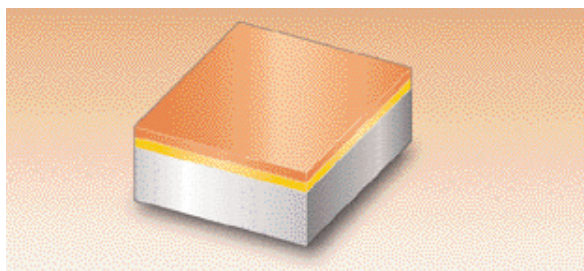


### Gummied :Azura.

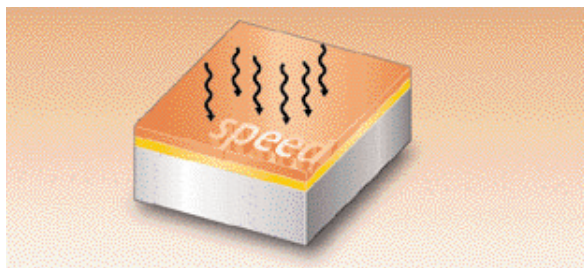
Application of the gum washes away the unexposed plate areas. These areas were not fused and are easily removed by the gum. :Azura is now ready for printing and have a protective gum layer.

## :Thermostar plates.

:Thermostar plates set a new standard for high-quality thermal imaging and give your pressroom the steady stream of high-quality plates it needs to stay productive and profitable. They integrate seamlessly with the world's leading thermal CtP systems, and bring the convenience of daylight operation to any environment.

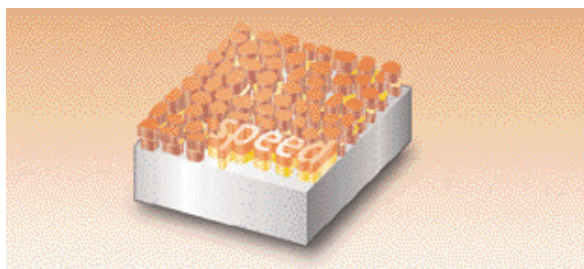


Unexposed :Thermostar plate.



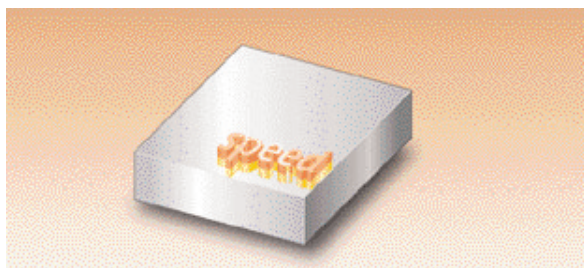
### Exposure of :Thermostar.

The IR absorber in the layer converts light to heat which deforms the layer and alters the wetting behaviour to alkaline developers. This allows the developer to diffuse through the top layer and then dissolve the bottom layer. The unexposed areas remain less soluble to the developer with the top layer acting as a mask.



### Development of :Thermostar.

Immersion in alkaline developer removes both layers in the exposed areas.



### Finishing :Thermostar

The plate is then finished with standard gum.



*Sublima uses a patented technology known as XM (cross modulation) to achieve high-line screen rulings.*

## **:Sublima Screening**

### ***High resolution without extra effort on the press***

:Sublima uses a patented technology known as XM (Cross Modulation) to achieve high line-screen rulings. It combines the benefits of AM (Amplitude Modulated) screening, which are smooth gradations and highly controllable midtones, with the benefits of FM (Frequency Modulated) screening—fine detail rendering in shadows and highlights and continuous-tone like reproduction. It aligns FM dots along AM paths and replaces AM dots at the precise point where the AM dot can no longer be held on a specific press. The result is a smooth transition from one mode to the other with no visible crossover—and no extra effort on press.

Because :Sublima takes press characteristics into account, it will never produce a dot the press cannot hold. As a result, every detail gets printed. Process tints, fine lines, even delicate typefaces print like solids using four-colour process. Flesh tones are perfectly smooth and colour accurate.

## **:ApogeeX**

### ***Streamline your workflow***

The :ApogeeX integrated workflow management solution helps you manage and automate your entire prepress workflow from a single user interface. The easy-to use system is modular and scalable so you can implement automation all at once or one step at a time—as your needs change or your business grows. Powered by JDF and based on open architecture, :ApogeeX ensures smooth integration with your existing workflow and lets you connect processes and departments. Powerful tools let you operate :ApogeeX and control your entire workflow onsite or from any remote location using a web browser. :ApogeeX gives you the tools you need to optimise your workflow today and prepare you for your future needs.

## **:Sherpa proofing.**

### ***Match colour on press. Before going to press.***

You can easily integrate the :Acento with the :Sherpa system, a cost-effective, turnkey proofing solution that includes a state-of-the-art piezo proofing system, inkjet proofing media, Quality Management Software (QMS) and ColorTune Pro colour-management system. ColorTune Pro provides professional tools for creating colour profiles. :QMS ensures consistent behaviour among multiple systems for predictable printing results, proof after proof, print after print, day after day. With :SherpaProof, what you see on the proof is exactly what you will print.

# :Acento



:Acento L100 that can hold up to 100 plates, with slipsheet removal.

	:Acento E	:Acento S
Imaging system	830 nm infrared thermal	
Light source	16-channel infrared laser diodes	32-channel infrared laser diodes
Drum system	External drum	
Minimum plate size	324 mm x 370 mm (12.8" x 14.5")	
Maximum plate size	830 mm x 660 mm (32.7" x 26")	
Thickness supported	0.15 mm to 0.3 mm (6 to 12 mil)	
Throughput/productivity (724 x 615 mm/28.5" x 24.2")	10 pl/hr at 2,400 dpi	20 pl/hr at 2,400 dpi
	(*)Throughput/Productivity may vary based on the sensitivity of the specific media used	
Resolution	2,400	1,200 - 2,000 - 2,400 - 4,000
Power Requirements	Single Phase 200 V to 240 V +6% / -10%, 20A, 4.0 kW	
Image area	Maximum 830 mm x 633 mm (32.7" x 24.9") (Front margin 15 mm, rear margin 12mm)	
Plate loading	Manually	Manually With autoloader = automatic
Screening technology	:ABS 200 lpi (standard) - :Sublima 210 and 240 lpi (optional)	
Footprint (wdh)	1,750 x 1,030 x 1,178 mm (68.9" x 40.6" x 46.4")	
Weight	645 kg (1,422 lbs.)	
Options	L50, L100 and L300 autoloaders	
Punch configuration	Online punch configurations for all major presses are available	

	:C85
Plate types	:Azura
Plate width	min - max 230-850 mm (9.1" - 33.5")
Plate length min max	min - max 300 mm (11.84") - 1100 (43.3")
Plate thickness	min - max 0,15 - 0,30 mm (0,006" - 0,012")
Plate speed	60cm/min. (23.6"/min) fixed
Brush speed (revolutions per min)	120 rpm fixed
temperatures Dryer, process Default	45°C (113°F) fixed
Power Supply	
EUR-models	Single phase - 1W + N + PE, 230V / 10 Amps, 50-60 Hz
US-models	Single phase - 2W + PE, 230V / 2x10 Amps, 50-60 Hz
JAP-models	Single phase - 2W + PE, 200V / 2x10 Amps, 50-60 Hz
Voltage tolerances	+10 %, -14%
PowerConsumption	
EUR-models Max.	1900 Watts
US-models Max.	1900 Watts
BTU/hour Max.	6.500
Shipping	
Uncrated	225 kg (500lbs)
approx.272 kg (600lbs)	140 kg (310 lbs)
Dimensions	1385 x 2206 x 1093-1133 mm (54,5" x 86,9" x 43,0-44,6")

Type of PlateManager	:Acento L50	:Acento L100	:Acento L300
Plate capacity	50	100	300
N° of cassettes	1	1	3
Slipsheet removal	No	Yes	Yes
Plate transport	Fully automatic loading	Fully automatic loading	Fully automatic loading
Power	Single Phase 200 V - 240 V +6% / -10%, 5A, 1,0 kW	Single Phase 200 V-240 V +6% / -10%,5A, 1,0 kW	Single Phase 200V-240V +6% / -10%, 5A, 1,0 kW
Weight	200kg (440lb.)	340 kg (748 lbs.)	765 kg (1,683 lbs.)
Dimensions	1260mm x 1335mm x 1031mm (50" x 52.6" x 40.6")	1395 x 1775 x 1060 mm (55,0 x 69,9 x 41,7")	2590 x 1775 x 1060 mm (101,9 x 69,9 x 41,7")

## :Acento processor possibilities

Autolith LDT 68 (off-line)

Autolith LDT 85 (on-line)

Autolith TP 85 (on-line)

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