



# KODAK SONORA

## PROCESS FREE PLATES



### ONE PEOPLE: Caring for Each Other

We recognize that to continue to build a bright future for our company, our employees must be engaged and fulfilled in their work. Our workplaces must be diverse, safe and inclusive. Our culture must put employee health and well-being at the center. With a growing business that's innovating and delivering high-demand products and services, we're creating opportunities for employees today and for the next generation.

# See the difference

# The best process free plate — just got better.

Now even the most demanding print operation can go process free.

## DECADES OF INNOVATION

From the pioneering Thermal Direct plate to the newly introduced KODAK SONORA Ultra Process Free Plate, Kodak has spent more than 20 years pursuing plate innovation and boundary-pushing performance in their SONORA Process Free Plate line. Today, more than 6,000 printers worldwide use SONORA Plates in diverse and demanding conditions for their sheet-fed and web-fed operations.

## ULTRA CONTRAST AND LIGHT RESISTANT

SONORA Ultra Plates boast the highest image contrast in the SONORA line. 9x stronger than competitors' process free plates and 1.5x stronger than KODAK SONORA XTRA-2 Process Free Plates, it's easy to see even the smallest image details on the plate. SONORA Ultra can also be imaged up to six weeks in advance, helping to increase your flexibility and productivity.

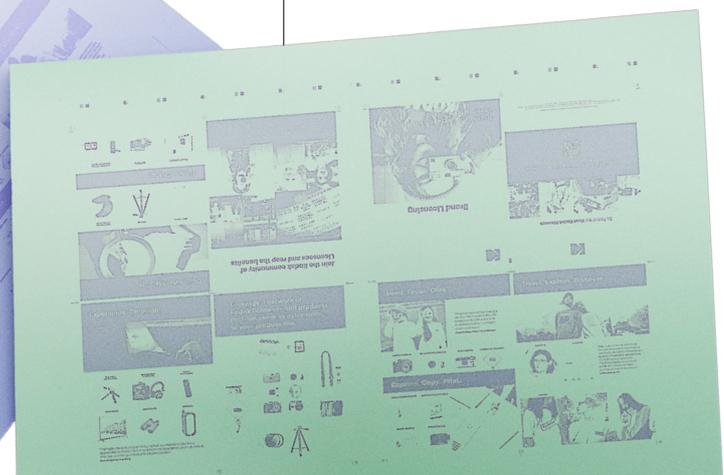


IMAGE SONORA ULTRA PLATES  
**UP TO SIX WEEKS  
IN ADVANCE**  
WHEN STORED IN THE DARK

## SONORA XTRA-2 PLATE



SONORA ULTRA PLATE  
**1.5X STRONGER  
CONTRAST THAN  
SONORA XTRA-2**





PLATES ROBUST  
ENOUGH FOR  
**ANY PRINT  
ENVIRONMENT**

### **XTRA QUICK**

SONORA Plates are quick enough for the fastest platesetters, so you can get more out of your existing equipment, or you can upgrade your CTP to get to press even faster. With the T-speed KODAK MAGNUS Q800 Platesetter, you can image up to 84 SONORA Plates per hour.

### **ULTRA TOUGH**

A tougher substrate and more durable coating make SONORA Plates robust enough for just about any print environment. And thanks to SONORA's enhanced scratch and scuff resistance, you can keep the presses running with no slowdowns.

### **XTRA LONG RUNS**

SONORA Ultra and SONORA XTRA-2 Plates meet the needs of most printers currently using unbaked processed plates – with run lengths of up to 400,000 impressions on web presses, 250,000 impressions on sheetfed presses, and 100,000 impressions for UV-ink applications.



IMAGE UP TO  
**84 SONORA PLATES**  
PER HOUR WITH THE KODAK MAGNUS  
Q800 PLATESETTER WITH T-SPEED



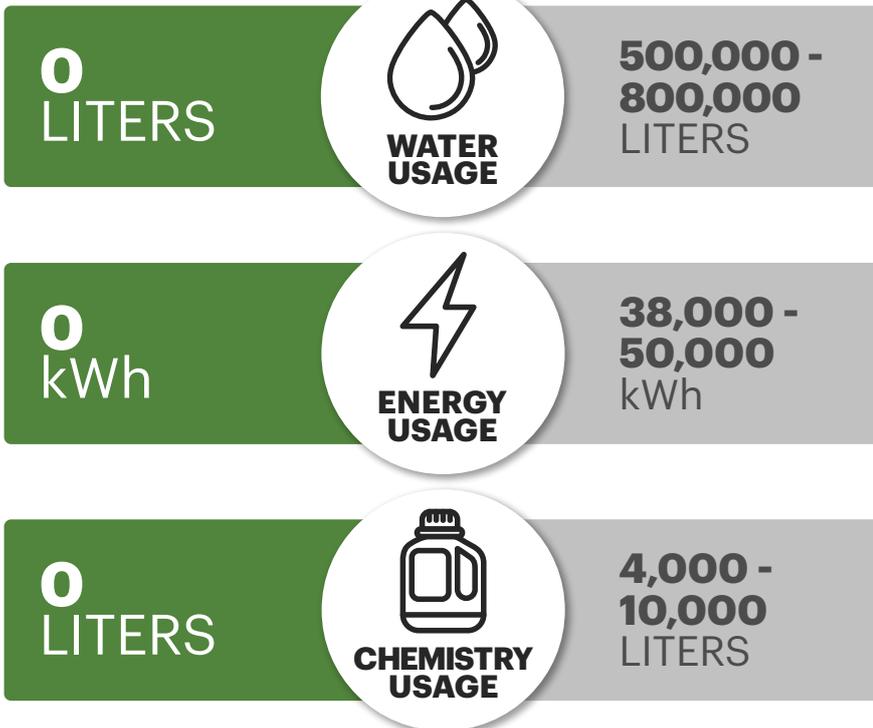
## KODAK SONORA

Process Free Plates

### Average Water, Energy, and Chemistry Usage in Prepress (annually) for a printer making 50,000 m<sup>2</sup> of

#### SONORA PLATES

#### PROCESSED PLATES



## REDUCE WASTE FOR COST AND ENVIRONMENTAL SAVINGS

### BECAUSE LESS IS SO MUCH MORE

By eliminating the need for chemicals, water, and electricity from processing, SONORA Plates help you reduce environmental waste, meet local regulatory requirements, and appeal to customers concerned about sustainability.

### LESS WATER

SONORA Plates help printers do their part by completely eliminating the water used in prepress

- No water to rinse the plate in a plate processor
- No water to mix concentrated chemistry
- No water to dilute your finishing gum
- No water to clean the plate processor or clean-out unit



## **KODAK SONORA** Process Free Plates

### **LESS ENERGY**

When processing plates, thermal plate processors use on average 3.15 kWh for small units and 4.5 for larger devices. SONORA Plates eliminate plate processing and baking, saving energy.

### **LESS WASTE**

SONORA Plates eliminate all processing chemistry, including all the hassles and costs of handling, shipping, storage, and disposal.

### **SAVE COSTS TOO**

Reducing waste in the pressroom is an enormous opportunity for savings. With SONORA Ultra and SONORA XTRA-2, you save time, paper, and money in the pressroom with faster makereadies and greater dot stability. And no more plate processing means no more waste or press downtime because of plate processing defects.

For small printers, savings in the pressroom can be double the total prepress savings, and for the largest printers, pressroom benefits can increase savings by a factor of 9.

**Less impact. Less water. Less energy. Less waste.  
Safer for people and the planet, and good for business.**



#### **EASY TRANSITION**

Upgrading to SONORA Plates is easy. You don't need to set up a processor, change your workflow, or add any new CTP equipment.



#### **ELIMINATE YOUR PROCESSOR**

Save space in your plant and eliminate the cost and safety concerns of maintaining a plate processor.



## KODAK SONORA Process Free Plates

<b>Plate</b>	Non-ablative, thermal, negative-working (write-the-image) process free plate No debris removal system required
<b>Application</b>	High-quality, long-run plate for sheetfed, packaging, web and all UV print applications
<b>Substrate</b>	Electrochemically grained and anodised aluminium substrate
<b>Spectral sensitivity</b>	800 – 850 nm
<b>Platesetter compatibility</b>	Recommended: KODAK TRENDSETTER, MAGNUS, and ACHIEVE Platesetters SONORA XTRA-2 Plates are compatible with platesetters from all major suppliers
<b>Laser energy required</b>	90 to 120 mJ/cm <sup>2</sup> depending on platesetter Provides maximum productivity on most platesetters
<b>Resolution</b>	1 to 99% @ 200 lpi and FM20 capable Up to 450 lpi is possible, dependent upon capability of imaging device

	<b>SONORA XTRA-2</b>	<b>SONORA Ultra</b>
<b>Safelight @400Lux</b>	White = 2 hours C20 UV-cut = 16 hours G10 Yellow = 48 hours	White = 10 hours Yellow = 48 hours <i>Direct sunlight must be avoided. LED is preferred over fluorescent and day light</i>
<b>Gauge</b>	0.15, 0.20, 0.30, and 0.40 mm	0.15, 0.20, 0.30, and 0.40 mm
<b>Run length*</b>	<ul style="list-style-type: none"> <li>• Up to 400,000 impressions with heatset/coldset web presses</li> <li>• Up to 250,000 impressions with sheetfed presses</li> <li>• Up to 100,000 impressions for offset packaging (non-UV ink)</li> <li>• Up to 100,000 impressions for UV-ink applications</li> </ul> <i>Dependent upon image resolution, press, press chemistry, ink and paper conditions.</i>	<ul style="list-style-type: none"> <li>• Up to 400,000 impressions with heatset/commercial coldset web presses</li> <li>• Up to 250,000 impressions with sheetfed presses</li> <li>• Up to 100,000 impressions for offset packaging (non-UV ink)</li> <li>• Up to 75,000 impressions for UV-ink applications</li> </ul>

[KODAK.COM/GO/SONORA](http://KODAK.COM/GO/SONORA)

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Subject to technical change without notice. SONORA XTRA-3 Plates are not available in Germany. K-1085.25.04.04.EN.01