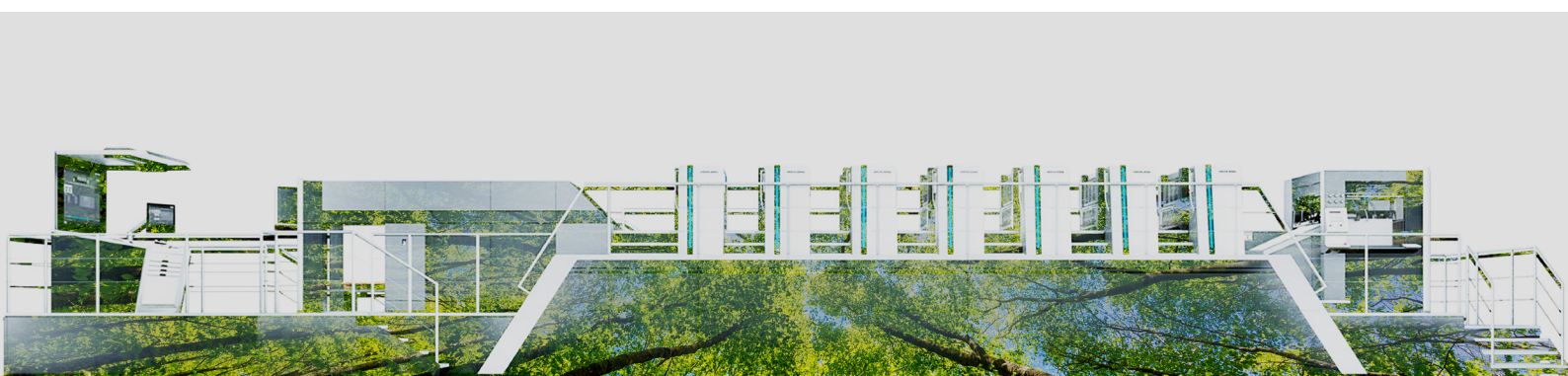


# Hardware upgrade

## **Green Up Your Machine**



# 7

**Seven opportunities to make your machine more sustainable**

# Always up to date State-of-the-art technology

With our hardware and software upgrades and retrofit options, you can easily add new features, improve existing ones, or replace a component.

In this way, you create added value and sustainably improve your flexibility. With our hardware upgrades you significantly increase your profitability.

## Hardware upgrade ecology

Sustainable print production means more than energy-saving and resource-saving printing presses. As a full-service provider, we optimize processes and technologies along the entire production chain. Mineral oil-free inks, energy-efficient machines, environmentally optimised technologies - printing offers many adjustment screws for a better ecological balance, which can also save costs.

Ecological optimisation potential also exists for the moistening solutions used. In offset printing presses, conventional isopropyl alcohol (IPA) and water are used as moistening agents. The waterless offset process is ecologically more advantageous.

Take for example our upgrade: IPA free printing, so that you can run your printing machine completely without alcohol. The resulting environmental improvement is supplemented by cost savings through the elimination of isopropyl alcohol and is therefore also of economic interest to print shops and customers.

Choose from seven (7) ecology hardware upgrades for more sustainability.

## The ecology hardware upgrades..

...support you in terms of  
sustainability

<b>1</b>	<b>ACUSTIC</b>
<ul style="list-style-type: none"> <li>• Sound emission of press</li> <li>• Reduction by 2 – 4 dB(A)</li> </ul>	

<b>2</b>	<b>STANDY MODE</b>
<ul style="list-style-type: none"> <li>• Considerable energy-saving during waiting times</li> <li>• Time savings</li> </ul>	

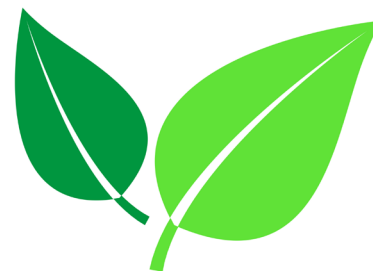
<b>3</b>	<b>DAMPENING COOLING SYSTEM</b>
<ul style="list-style-type: none"> <li>• New technology</li> <li>• Ease of use</li> <li>• Reliable dampening solution</li> </ul>	

<b>4</b>	<b>IPA FREE PRINTING</b>
<ul style="list-style-type: none"> <li>• Abstain from using isopropanol.</li> <li>• Cost reduction and costs savings due to no usage of isopropanol</li> <li>• Reduction of emission</li> <li>• Green Printshop – environmentally friendly</li> </ul>	

<b>5</b>	<b>ENERGY CONSUMPTION DISPLAY</b>
<ul style="list-style-type: none"> <li>• Overview about the current consumption of electricity</li> <li>• Potential energy savings</li> <li>• Energy Reports which give a detailed overview about the energy costs of the whole production</li> </ul>	

<b>6</b>	<b>ALCOSMART</b>
<ul style="list-style-type: none"> <li>• Optimal dosage of alcohol = no waste of expensive IPA</li> <li>• Automatic dosing of alcohol</li> <li>• Consistent alcohol level</li> <li>• Uniform dampening solution and thus stable print quality</li> <li>• No manual effort</li> <li>• Potential bundling of HW upgrade device &amp; Saphira Fount /Chemistry to reduce purchasing cost.</li> </ul>	

<b>7</b>	<b>FILTER STAR</b>
<ul style="list-style-type: none"> <li>• Process optimization due to the longer service life of the dampening solution</li> <li>• Stable dampening water supply</li> <li>• Dry running of the inking rollers is virtually impossible</li> <li>• Stable ink-water balance means less waste</li> <li>• Significant increase in press availability</li> <li>• Optimum print quality thanks to ultra-fine granulate filtering process</li> <li>• Alcohol-reduced and alcohol-free printing is possible</li> </ul>	



Simply get  
in touch.

## Your dialog with Heidelberg.

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We hope this brochure has inspired you. Our aim is to make you even more successful in the future, so feel free to contact us with your questions and suggestions. We're only ever an e-mail or phone call away.

### **We look forward to hearing from you!**

Whether you're just curious or have specific things you'd like to ask, simply send an e-mail with your questions, requests, or comments to

➔ [lifecycle-easterneurope@heidelberg.com](mailto:lifecycle-easterneurope@heidelberg.com)

or mark your upgrade wishes per category and we will send you a suitable offer.

➔ [heidelberg.com/hardwareupgrade](http://heidelberg.com/hardwareupgrade)