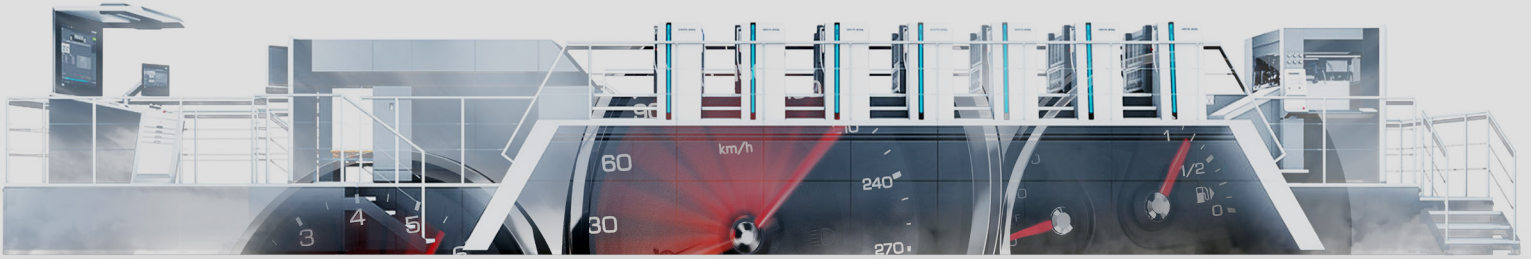


# Hardware upgrade

## Boost up your Machine



# 14

**Fourteen opportunities to bring the performance of your machine to peak level**

# 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 performance

The business environment for the printing industry is currently undergoing fundamental change. Leaps in the development of digital technology, online trading, a variety of variants and ever shorter life cycles create new framework conditions.

At the same time, the printer continues to focus on the performance of the machines. In large-scale production, every minute and optimal work processes are at the heart of the matter; at the same time, the number of variants increases. The printer has to change over more frequently in order to be able to produce even small and smallest batch sizes economically.

In order to meet these increasing demands on productivity, we have developed a range of upgrades for your printing presses that guarantee you a performance boost.

For example the dynamic sheet break. This allows you to achieve higher print speeds for difficult materials, reduce downtime due to fewer paper run errors and have higher efficiency, which will lower your costs.

**Let yourself be inspired on the following pages. We have compiled 14 performance upgrades for you.**



# The Performance hardware upgrades enable you to boost your effectiveness

<b>1</b>	<b>TOP SPEED PACKAGE</b>
<ul style="list-style-type: none"> <li>• Higher production throughput</li> <li>• Higher production speed</li> <li>• Cost savings and efficiency gain</li> <li>• Time savings and therefor additional jobs possible</li> </ul>	

<b>2</b>	<b>NON-STOP</b>
<ul style="list-style-type: none"> <li>• Higher productivity</li> <li>• Less make ready times</li> <li>• Less space for short runs necessary</li> <li>• Time and cost savings</li> </ul>	

<b>3</b>	<b>INKING UNIT WASH UP</b>
<ul style="list-style-type: none"> <li>• Shorter washing times</li> <li>• Lower wash consumption</li> <li>• Cost reduction</li> <li>• Always the same and good washing result</li> <li>• Easy handling</li> <li>• Additional time for additional print jobs</li> </ul>	

<b>4</b>	<b>PRE-LOADING DEVICE</b>
<ul style="list-style-type: none"> <li>• Short make-ready times = cost reduction</li> <li>• Space-saving</li> <li>• Especially for reams</li> <li>• Easier stacking of sheets with the edges straight</li> <li>• Defined lateral positioning of the paper stack</li> </ul>	

<b>5</b>	<b>TANDEM WASH</b>
<ul style="list-style-type: none"> <li>• Longer impression cylinder wash periods</li> <li>• Less manual cleaning effort</li> <li>• Additional time savings</li> <li>• Additional washing solution savings</li> <li>• Cost savings</li> </ul>	

<b>6</b>	<b>PRINECT INSPECTION CONTROL</b>
<ul style="list-style-type: none"> <li>• Operation is easier and more automated</li> <li>• Reduced waste</li> <li>• Increased productivity</li> <li>• Fewer complaints and lower quality costs</li> <li>• Continuous and seamless quality monitoring process</li> <li>• Quality reports for every print job</li> <li>• Only sheets with the defined quality</li> <li>• Cost savings</li> </ul>	

# The Performance hardware upgrades...



<b>7</b>	<b>BLANKET WASH UP</b>
<ul style="list-style-type: none"> <li>• Fully automatic blanket wash of the whole machine with the click of a button</li> <li>• Customized washing programs according to your needs</li> <li>• Reduced amount of washing solution</li> <li>• Cost reduction (less labor costs)</li> <li>• Less downtime</li> <li>• Higher availability</li> </ul>	

<b>8</b>	<b>DYNAMIC SHEET BREAK</b>
<ul style="list-style-type: none"> <li>• Improved sheet travel in the delivery</li> <li>• Reduced make ready times</li> <li>• Higher process stability</li> <li>• Better stacking in the delivery</li> <li>• Higher printing speeds for difficult substrates</li> <li>• Reduced downtimes due to less paper run errors</li> <li>• Higher efficiency = cost reduction</li> </ul>	

<b>9</b>	<b>PRINECT EASY CONTROL</b>
<ul style="list-style-type: none"> <li>• Perfect integration in the press console with no limitations of printer`s workspace Polarized densities and non-polarized CIELab-values in one measurement</li> <li>• Quick manual positioning of the measuring head</li> <li>• Paper hold-down by the wheels of the measuring head and additional magnets</li> <li>• Laser indicator for a perfect positioning of print control strip</li> <li>• Easy maintenance by the operator</li> <li>• Best performance with Prinect Pressroom Manager and Color Assistant Pro</li> <li>• Archive for Pantone, HKS colors or individual colors</li> </ul>	

<b>10</b>	<b>INK LINE 3000</b>
<ul style="list-style-type: none"> <li>• Reduced ink consumption in comparison with manual ink loading and replenishing</li> <li>• Quick ink change and marginal ink waste at the same time</li> <li>• Consistent coloring over the complete print job through constant fill level in the ink ducts</li> <li>• Reduced make-ready time through automatic filling and replenishing of the ink ducts</li> <li>• Reduced inspection walkways for the printer</li> <li>• Integrated ink agitator to prevent ink from staying in the ink duct</li> <li>• Central operation via the control center for simplified handling und additional functions, e.g. ink consumption measurement or remote service</li> <li>• Exchangeability between different up-to-date ink containers such as cartridges and ink drums for central ink feed</li> </ul>	

# ...enable you to boost your effectiveness.

<b>11</b>	<b>PRINECT AXIS CONTROL</b>
<ul style="list-style-type: none"><li>• Reduction make-ready times</li><li>• Lower amount of waste sheets.</li><li>• Improve the process stability</li><li>• Increase the print quality.</li><li>• Perfect integration in the press console with no limitations of printer's workspace</li><li>• Polarized densities and non-polarized CIELab-values in one measurement</li><li>• Lower cost</li></ul>	

<b>12</b>	<b>SUCTION BRUSH</b>
<ul style="list-style-type: none"><li>• Reduction of dust on the paper before it is transferred into the first printing unit</li><li>• Less dust on the first blanket cylinder</li><li>• Extended blanket wash up cycles (esp. at the first PU)</li><li>• Less time for blanket or impression cylinder cleaning</li><li>• Cost reduction</li><li>• Higher process efficiency</li></ul>	

<b>13</b>	<b>PRINECT INPRESS CONTROL</b>
<ul style="list-style-type: none"><li>• Color measurement and regulation in the press</li><li>• Spectral measurement in the color control bar</li><li>• In addition register control and regulation</li><li>• No press stop needed during make ready</li><li>• Saves time (8- 12 minutes) and avoids waste sheets (100 -150 sheets)</li><li>• Continuous production control</li><li>• Minimum print variations during production</li></ul>	

<b>14</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\*\*](https://heidelberg.com/hardwareupgrade)