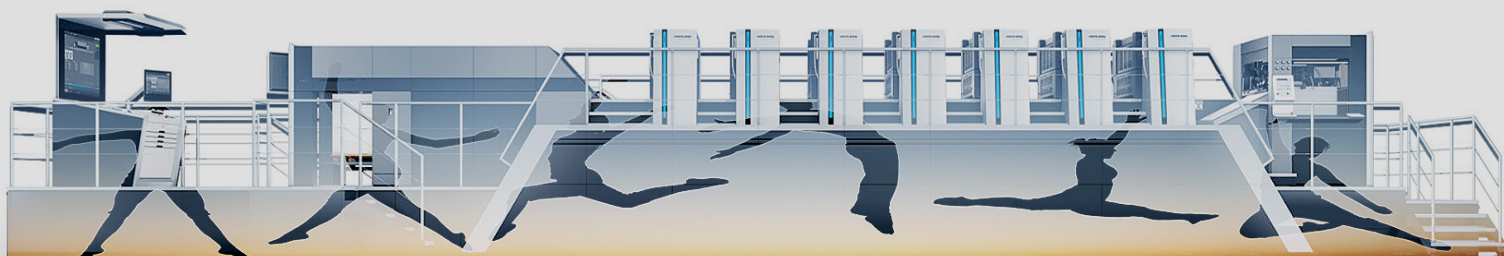# Hardware upgrade
Speed Up Your Machine

26

Twenty-six opportunities to advance your machine with our Hardware upgrades

HEIDELBERG

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 advancement

In recent years there have been noticeable changes in the work processes of printing companies. The networking of the individual production equipment also leads to greater use of digital processes, even in classic analog production areas. For printers, this means an increase in the complexity of work processes.

For the printer, this development presents itself as work intensification, which is also associated with higher capacity requirements. In the field of technological progress, we have developed a number of valuable upgrades for you to keep your printing presses up to date.

Like for example the upgrade: Ink move system. Avoidance of skin formation and dehydration.

Guarantees you a constant distribution of the ink over the entire ink fountain width, also in areas with low ink acceptance, e.g. peripheral zones. Your advantage is that the ink is reliable applied to the ink fountain roller and above all the ink does not remain in the ink fountain. Pasty inks are kept flowable. No manual steering required also means less labor cost.

We have another 25 upgrades in the advancement area for you.

The advancement hardware upgrades enable you to use new applications.

1	STATIC STAR

- Discharges the pile, no further build-up of electrostatic in the machine
- Good separation of the sheets – no scratches
- Accurate positioning and register
- Clean sheet travel and even stacking
- Good removal of the sheet from the blanket
- Even powder distribution
- No double sheets, no stoppers, no lost sheets
- Works well with any substrate, also lightweight substrates and plastic

2	UV DRYING

- Color measurement and regulation in the press
- Spectral measurement in the color control bar
- In addition register control and regulation
- No press stop needed during make ready
- Saves time (8– 12 minutes) and avoids waste sheets (100 –150 sheets)
- Continuous production control
- Minimum print variations during production

3	INK MOVE SYSTEM

- Avoidance of skin formation and dehydration
- Constant distribution of the ink over the entire ink fountain width, also in areas with low ink acceptance, e.g. peripheral zones
- The ink is reliable applied to the ink fountain roller
- The ink does not remain in the ink fountain
- Pasty inks are kept flowable
- No manual steering required = less labor cost

4	AUTO PROTECT

- Every 36,000 impressions roller protection is automatically readjusted
- When changing jobs, IntelliStart automatically detects which inking unit is occupied with Saphira roller protection liquid, which is used with or without ink and cleans the appropriate inking unit or supplies it with roller protection liquid
- The function automatic insertion of Saphira roller protection liquid runs completely automatically in the background.

The advancement hardware upgrades...

5	INSERT STAR

- Automated counting of runs and marking of waste sheets in combination with the Prinect Inspection Control

6	IR/HA DRYING

- Wider range of application
- Better/faster drying results
- Less set off or blocking
- Higher print quality

7	MULTILOADER

- Reduced make ready times
- Process efficiency = Time & cost savings
- Easier handling of the screen roller (less manual lifting)
- Less risk of machine and roller damages

8	FINE ADJUSMENT PRESSURE

- Help Inmould printers to improve their die cutting process a lot.
- Process efficiency = cost reduction

9	PRESS SPEED DISPLAY

- The printer always sees the current speed of the press

10	RAINBOW PRINTING

- Unique rainbow effects can be printed
- Enables the customer to enter security printing
- Expands the range of application

11	SCREENED INK FOUNTAIN ROLLER

- Reduced abrasion of ink duct foils
- Less ink consumption
- Less cleaning effort
- Less ink variation during the print process

12	SIGNAL LIGHT

- Visual signal when a failure happens
- Faster reaction
- Less waste sheets = cost savings
- Recognize defined failure visually

...enable you to use new applications

13	**INK MIST EXTRACTION**

- Significant reduction of ink misting
- Less environmental pollution in general
- Less cleaning effort around the press area
- Healthier environment for your printer
- Higher residual value of the press when sold

14	**INK TEMPERATURE CONTROL**

- Stable ink/water balance
- Less waste sheets
- Better quality
- Less color variations
- Always the same preconditions
- Easier handling

15	**THIN SUBSTRATE PACKAGE**

- Better paper run especially with thin substrates
- Less downtime due to less problems with the paper (double sheet, etc.)
- Smoother process due to less downtime = cost savings

16	**FOILSTAR**

- Expands the current product portfolio and applications like e. g. metallic effects for e.g . Tobacco or Cosmentic
- Inline production = cost efficiency
- Increased quality
- No need to purchases expensive metallized paper

17	**HICKEY REMOVER**

- Easy removal of hickeys
- Higher print quality = less faults
- Less waste sheets as press does not need to be stopped
- Time savings = cost savings

18	**VARIO**

- Reduction of hickeys on the printing plate
- Helps to adjust stripes in the print job
- Helps to improve dampening of the plate
- Higher printing quality

19	**WALL SCREEN**

- Time savings
- Ease of use
- Less user errors

20	**SPRAY TUBE COATING UNIT**

- Reduced cleaning effort
- Time savings = cost savings
- Reduced printing problems = higher print quality

The advancement hardware upgrades enable you to use new applications.

21	ADDITIONAL COATING CIRCULATION

- Faster make ready times of the coating unit
- Reduced cleaning effort of the pump system
- Possibility to use new coatings
- Process efficiency – cost savings

22	ALCOLOR BLOWER BAR

- Better print quality
- Easier handling
- Higher process stability

23	POWDER SPRAY DEVICE

- Perfect distribution of Powder accross the substrate
- Optimization of pile building
- Less set-off and blocking – fewer claims or reprints
- Lower powder consumption – cost savings
- Lower degree of pollution of print environment
- Easy handling trough well integration into press operation

24	CARDBOARD KIT

- Improved paper run with heavy / rigid materials
- Early detection of cutting waste on the sheet and thereby reduction of the risk of machine damage
- Less soiling due to paper dust on the blanket cylinder and therefore extended washing intervals and better print quality
- Reduction of marking on the sheet by applying the sheet on machine components and thus improving the printing quality

25	DOCTOR CHAMBER BLADE

- Easy Handling with high viscosity coatings
- Higher stability at all press speeds
- Constant and reproducible amounts of coating (higher quality)
- Possibility to work with metallic coatings
- Improves working with thin layers of coating or other special coatings

26	DOUBLE SHEET CONTROL

- Better detection of double sheet
- Wider range of printing materials possible
  (foils or cardboards need special double sheet control)
- Process efficiency
- Avoid paper smashes and damages of blankets

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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**

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

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