



Retrofit Package

*Bringing greater printing
sophistication to your RD 4*

Stork Prints



Installation of the standard "Individual drive" package means that the existing mechanical drive is removed.

Bringing greater printing sophistication to your RD 4

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The best of both worlds

The Stork retrofit package adds a whole new level of sophistication, automation and control to your RD 4 rotary screen printing machine. In effect, you get the best of both worlds: the durability, dependability and familiarity of your existing RD 4, supplemented by modern, more advanced printing technology.

Individual drives mean greater accuracy and efficiency

When you specify the RD 4 retrofit package, experienced Stork engineers will visit your premises and upgrade your existing system. This conversion process is relatively short, so there is minimal disruption to your production. The main difference you will notice after the

upgrade is that each printing position is equipped with its own individual motor and control panel. This brings many significant benefits:

Easy screen insertion, fast register

To simplify the insertion of screens, the pitch points can be positioned on top. This is because the motor of each printing position carries out automatic longitudinal adjustment of the screen positions so they are all in register. Designs are therefore printed in register more or less immediately.

Better quality through variable lead setting

The lead setting can be adjusted to accommodate different types of substrate,

which in many cases leads to considerably higher quality. For extra convenience, the lead setting is variable via the central operating panel.

Greater accuracy, easier operation

As the controls for the blanket and printing positions are electronically linked, many adjustments are taken care of automatically. As an example, if printing is stopped and then restarted, the screens will start rotating in repeat and in register, therefore precisely matching the design already printed.

Less rejects and seconds

Electronic control also means that the correct repeat position is retained during accelerations

and decelerations in blanket speed. As a result, the design is in register quicker, as speed variations do not necessitate any corrections of the repeat. This, along with the variable lead, significantly reduces the amount of seconds and rejects. It is not uncommon to realise double-digit percentage savings.

Synchronised operation

The printing blanket is driven by a central motor, and its speed detected by a digital encoder. This encoder transmits a signal to the control units of the individual printing positions, which in turn drive the motors for each screen. In this way, the operation of these various elements is completely synchronised.

Reduced screen wear

Each printing position can be individually activated or de-activated, which means that screens are only in motion

when required. This lessens the amount of wear and tear on the screens, and therefore cuts costs.

Lower maintenance requirements

The RD 8 individual drive version has fewer gear wheels, shafts and bearings than the standard model, and consequently requires less maintenance. A number of adjustment and calibration procedures are also no longer required. Reduced maintenance means more uptime - and higher productivity.

Motorised repeat settings (option)

As a further step towards complete automation, it is possible to motorise the lateral and the diagonal repeat settings. This allows greater accuracy, plus simpler operation via the control panel.

Automatic Presetting System (option)

Repeat orders are greatly simplified with the Automatic Presetting System software package. Data on repeat settings, squeegee pressure and printing speed can be stored per design or colourway. For repeat orders, simply entering the appropriate design or colourway number causes the printing positions to automatically adjust to the required settings.

The retrofit package

The retrofit involves removing the existing drive and installing:

- an individual drive system and motor for each printing position
- control units
- digital blanket speed pick-up
- new control panels with touch keys
- extension of the switchbox



Each printing position is equipped with its own motor.



Each printing position will have a new control panel with touch keys.



The pitch point of the screen on each individual position can be automatically positioned on top.