



durst

## The Rho Family of UV inkjet printers

Print quality unlike any in the industry, unmatched output speeds, exacting manufacturing standards, and proven reliability that comes with 75 years of imaging innovation – Durst is proud to present the Rho family of UV inkjet printers.

Leaders in Imaging Solutions since 1936



Rho 600   Rhopac   Rho 350R

# The right solution for your business needs

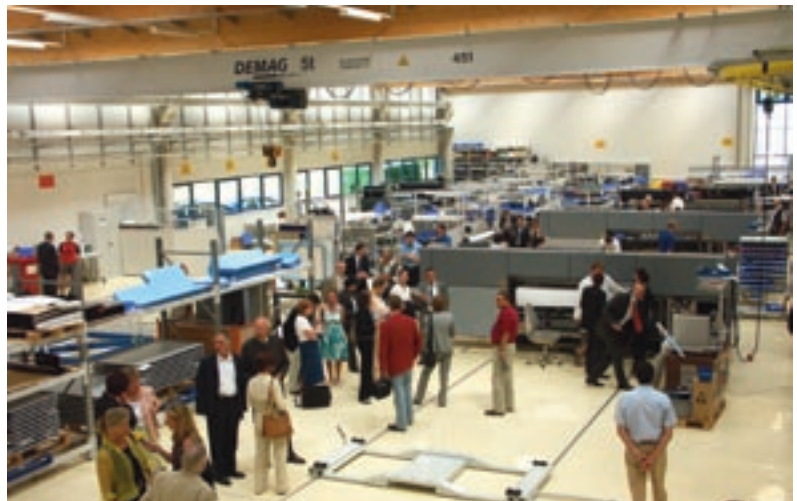
From the versatile Rho 600 with its flatbed and roll capabilities, to the Rhopac – the only machine purpose built for the corrugate marketplace, to the Rho 350R, the new UV roll-to-roll machine for the imaging industry – there is Durst inkjet printer to match your needs.

## Innovation leaders in UV inkjet technology

Each Rho incorporates the Durst Quadro® Array Technology for unsurpassed print quality and reliability not found in traditional print head configurations.

And only Durst builds into every machine the ability for field upgrades. Whether you are looking for higher output speeds or the addition of white ink printing, spot colors, or an industry exclusive special effect varnish – the Rho family of printers grows along with your business.

Durst's expanded new production facility in Lienz, Austria. The production area has more than doubled in size to accommodate the increased world-wide demand for Durst's Rho printers.



# Revolutionary inkjet technology



Durst's Quadro® Array Technology is based on Spectra inkjets and comprises four slots in a single headed jet plate in an array configuration. This provides 512 nozzles with a continual ink flow. The result is a greater drop density achieved in the smallest recorded amount of space and at the same time, eliminates the tolerances between the jet heads.

The drops are set at defined points. However, printing quality has been improved still further by Durst's own electronic system controls both the size and shape of the drops.

## The finest quality with the highest output speed

The result of the Quadro® array technology is the ability to print the finest quality at the highest output speed. Small text sizes, even down to 6pt reversed out of a solid is perfectly legible and full-area, critical colors are both vibrant and without variation.

With precision drop setting electronics, at either 400 or 600 dpi resolution, there is no compromise between quality and speed. In fact, the Rho 600 and Rhopac are capable of printing up to 1,725 sq ft per hour and the Rho 350R can output up to 2,500 sq ft per hour.

# Rho 600. 80" Flatbed Inkjet Printer

The next generation of direct to  
media UV inkjet printers



By combining exceptional print quality with the highest output speed, the award winning Rho 600 virtually eliminates the trade-off between productivity and image quality. Equipped with Durst's innovative Quadro® Array print technology, the Rho 600 features variable drop resolution (400/600 dpi) and is capable of speeds up to 1,725 sq ft per hour.

- high output speeds - up to 1,725 sq ft/hr
- switchable 400/600 dpi resolution
- available with white ink printing, special effect varnish, and spot colors
- high image quality, providing clean text - down to 6pt, even solids/gradations
- only flatbed with proven in-field upgrade path
- Linux based Durst user software
- on-the-fly image processing



Rho 600 Technical Data	
Printing system	Patented Durst flatbed system with Quadro® Array technology
Resolution	400/600 selectable dpi
Colors	Cyan, Magenta, Yellow, Black - Optional White, special effect varnish, and spot colors
Maximum printing width	Up to 80 in.
Maximum printing length	Only restricted by media length
Maximum media thickness	Up to 2.75" when properly equipped
Input file formats	TIFF, JPEG, BMP, EPS, PPM, PostScript 2/3 and PDF
Productivity	Rho 600 Basic: up to 425 sq ft/hr Rho 600 Presto: up to 850 sq ft/hr Rho 600 Rapid: up to 1,725 sq ft/hr
Dimensions:	18' x 6' x 14'
Weight:	approx. 7,500 lbs
Power supply:	208 VAC ±10 %, 3 phase/60 Cycles, or 230/400 VAC ±10 %, 3 phase + N/50 Cycles



# Rhopac. 80" Inkjet Printer for the Corrugate Market

Rhopac is configured to meet the particular requirements of package printers, and features auto adjust left and right side board guides for the reliable transport of corrugated sheets and other package materials. Rhopac is also equipped with an in-line board cleaning unit, an auto-sheet loading/unloading unit with special vacuum and cover system. The award winning Rhopac is capable of output speeds up to 1,725 sq ft per hour.



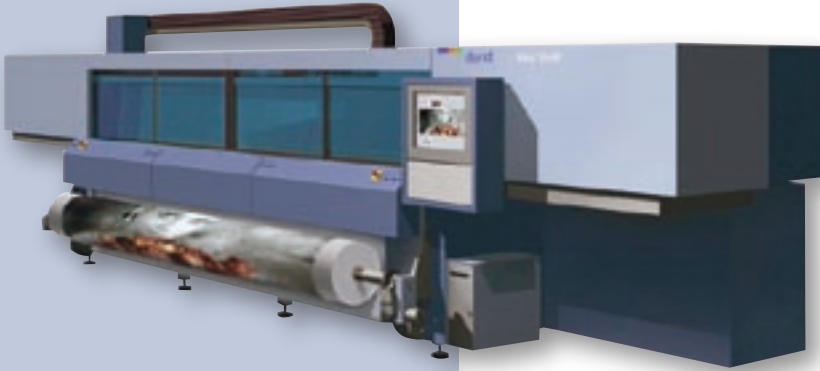
- high output speeds - up to 1,725 sq ft/hr
- switchable 400/600 dpi resolution
- available with white ink printing, special effect varnish, and spot colors
- high image quality, providing clean text - down to 6pt, even solids/gradations, and vivid imagery
- specifically engineered transport and guide roller system
- ability to handle all common types of corrugated cardboard (a,b,e,f corrugations)
- built in media cleaning system
- Linux based Durst user software
- on-the-fly image processing



## Rhopac Technical Data

<b>Printing system</b>	Patented Durst flatbed system with Quadro® Array technology
<b>Resolution</b>	400/600 selectable dpi
<b>Colors</b>	Cyan, Magenta, Yellow, Black - Optional White, special effect varnish, and spot colors
<b>Maximum printing width</b>	Up to 80 in.
<b>Maximum printing length</b>	Only restricted by media length
<b>Maximum media thickness</b>	Up to 2.75" when properly equipped
<b>Input file formats</b>	TIFF, JPEG, BMP, EPS, PPM, PostScript 2/3 and PDF
<b>Productivity</b>	Rhopac Presto: up to 850 sq ft/hr Rhopac Rapid: up to 1,725 sq ft/hr
<b>Dimensions:</b>	18' x 6' x 14'
<b>Weight:</b>	approx. 8,000 lbs
<b>Power supply:</b>	208 VAC ±10 %, 3 phase/60 Cycles, or 230/400 VAC ±10 %, 3 phase + N/50 Cycles

# Rho 350R. Superwide (11.5ft/3.5m) Roll-to-Roll Inkjet Printer



Engineered with the same tried and true technologies found in the award winning Rho 600 and Rhopac inkjet printers, the Rho 350R offers the highest productivity, quality and flexibility in a roll-to-roll superwide format printer.

- high output speeds - up to 2,500 sq ft/hr
- switchable 400/600 dpi resolution
- highest color density and quality onto uncoated roll medias
- high speed workflow – RIP and print simultaneously
- accurate registration for double sided printing with tracking control
- fast media changes – less than five minutes
- ability to print white and spot colors with simple and quick change outs
- proprietary environmentally friendly inkset – no VOC's
- Linux based Durst user software
- on-the-fly image processing



## Rho 350R Technical Data

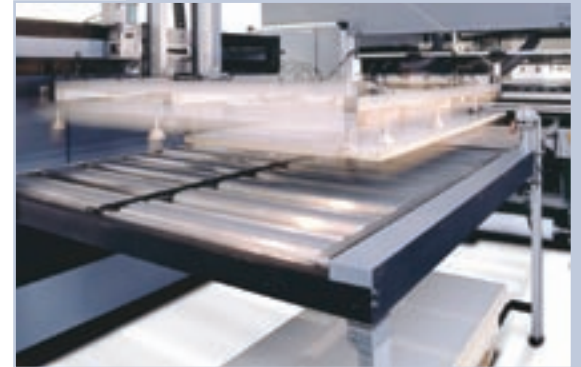
Printing system	Patented Durst flatbed system with Quadro® Array technology
Resolution	400/600 selectable dpi
Colors	Cyan, Magenta, Yellow, Black - Optional White and spot colors
Maximum printing width	350 cm (11.5 ft)
Maximum printing length	Only restricted by media length
Maximum media thickness	2 mm
Input file formats	TIFF, JPEG, BMP, EPS, PPM, PostScript 2/3 and PDF
Productivity	Rho 350R-8: up to 1,250 sq ft/hr Rho 350R-16: up to 2,500 sq ft/hr
Dimensions:	24' x 7' x 7'
Weight:	approx. 8,800 lbs
Power supply:	208 VAC ±10 %, 3 phase/60 Cycles, or 230/400 VAC ±10 %, 3 phase + N/50 Cycles



# Durst Feeder/Stacker for fully automated print production

Speed is not the only prerequisite of economical production. An optimum workflow is crucial as well. One of Durst's Rho options for improved workflow is the feeder/stacker system designed for unattended operation on the Rho 600 and Rhopac printers.

The feeder/stacker accepts a whole pallet of board material including corrugated; the feeder side of the machine automatically raises the sheets and feeds them into the printer. Once printed, the boards pass over the rollers and the stacker collects them and automatically lowers them ready to be taken away. In addition to allowing one person to control the entire process, the feeder/stacker increases productivity by optimizing the time taken for loading and unloading.



## Rho Ink Range, tailor-made for the Rho machines

Rho UV curing inks have been especially made for Durst and offer optimum hardening with maximum adhesion. Durst offers a range of different inks designed to provide the best solution and efficiency dependant on the printed substrate. Durst was also the first company in the world to offer a white ink option.

### Rho Flexible Ink Set

The most flexible UV ink on the market, suitable for flexible materials such as papers, foils, vinyls, etc..

### Rho Rigid Ink Set

Ideal for use on rigid materials for which adhesion is critical, such as: ceramics, metals, acrylics and glass.

### Rho Paperboard Ink Set

A cost-effective UV ink used specifically for paper, laminated/absorbent surfaces and inside applications.

### Rho Roll Ink and Rho Cat Ink

Free radical or, alternatively, the latest cationic inks, are characterized by lack of odor and a high degree of flexibility/adhesion on flexible materials.

Cationic inks are odorless and particularly environmentally friendly and can be used in connection with foods. They are also extremely elastic and can be used, for example on voile fabrics or in shrink wrapping.



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