

Stork Prints

Stork Prints is the leading provider of system and application know-how in textile and graphics printing processes as well as two-dimensional, high accuracy, metal precision products.
For further information, please visit www.storkprints.com.

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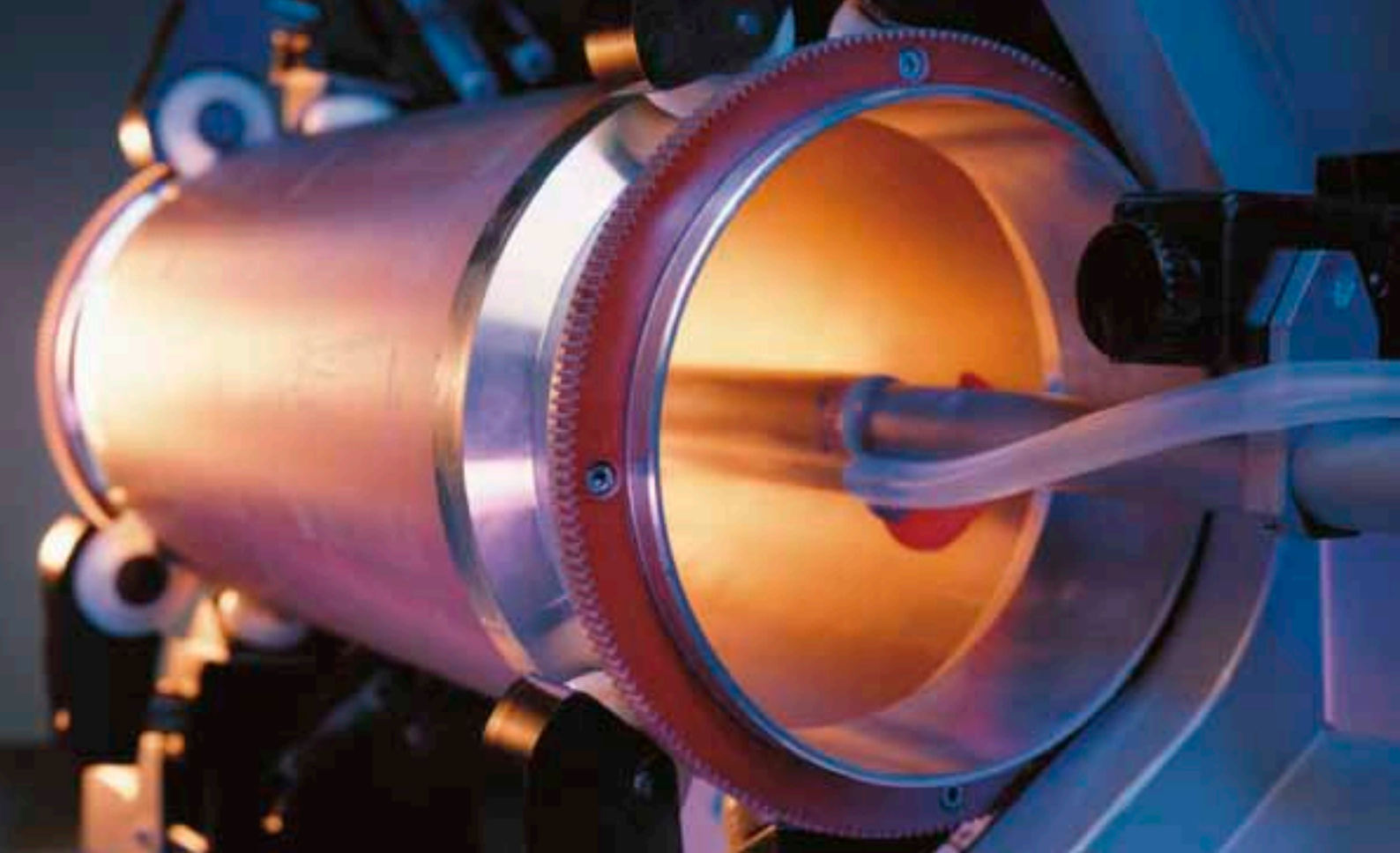
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RotaMesh® screen material

The ultimate workhorse in screens for rotary screen integration



Rotary screen solutions

With Stork Prints' RotaMesh® patented screen material, you get an exceptionally reliable, longlasting and highly accurate means of screen printing on a wide range of web widths.

High accuracy, perfect registration

RotaMesh® screens are manufactured by electroforming, and consist of 100% non-woven nickel. The result is a unique, strong hexagonal structure that gives exceptionally high stability, so you can print with perfect registration. This stability also enables the printing of large web widths.

Increased press uptime

RotaMesh® screens are also long-lasting. A lifespan approaching 500,000 m of printed substrate is not uncommon, which translates into fewer changeovers and therefore increased press uptime. It also makes RotaMesh® screens ideal for repeat orders. It is even possible to reuse one screen up to 10 times for different engraving patterns, which is obviously very cost-effective.

High-speed printing

Yet stability and durability have not been achieved by sacrificing speed. RotaMesh® screens are suitable for use at up to 125 m/min, allowing your presses to turn out print jobs quickly and effectively.

Constant quality

The unique shape of RotaMesh® screens brings you constant quality. The screen is very flat on the squeegee side, which minimises wear on the screen and squeegee, prolonging their lifespan and reducing machine downtime. In addition, the holes are wider on the printing side, creating better flow conditions for the ink and consequently improving productivity.

Reliability

The Stork Prints' RotaMesh® screens you use today are the result of more than four decades of experience and innovation in rotary screen printing solutions. By using RotaMesh® screens you have the guarantee of top quality, an extremely high degree of standardisation - screen after screen - and continuity in your production process.

RotaMesh[®] specifications

RotaMesh screens are available in a wide range of mesh counts to satisfy even the most demanding application requirements.

Type	RM 75/40	RM 75/32	RM 125/15	RM 215/25	RM 215/21	RM 305/17	RM 305/13	RM 305/11	RM 305/8	RM 405/17
Mesh/lineair inch (#)	75	75	125	215	215	305	305	305	305	405
Thickness (microns)	150	125	100	80	80	80	80	80	80	80
Open area (%)	40	32	15	25	21	17	13	11	8	17
Hole diameter (microns)	214	192	79	59	54	34	30	28	24	27
Theoretical wet ink deposit (microns)	60	40	15	20	17	14	10	9	6	10
Maximum particle size (microns)	71	64	26	20	18	11	10	9	8	9
Resolution (microns)	350	350	225	125	125	100	100	100	100	80
Application										
Line work coarse	-	-	+	+	+	+	+	+	+	+
Line work fine	-	-	-	-	-	+	+	+	+	+
Halftone/vignette	-	-	-	-	-	+	+	-	-	+
Text coarse	-	-	+	+	+	+	+	+	+	+
Text fine	-	-	-	-	-	+	+	+	-	+
Solids opaque	-	-	+	+	+	+	+	-	-	+
Solids primer	-	-	-	-	-	+	+	-	-	+
Metallics	-	-	+	+	+	+	+	-	-	+
Tactile/Relief images	+	+	-	-	-	-	-	-	-	-

Seamless screens RM 305/11, RM 305/13 and others on special request

