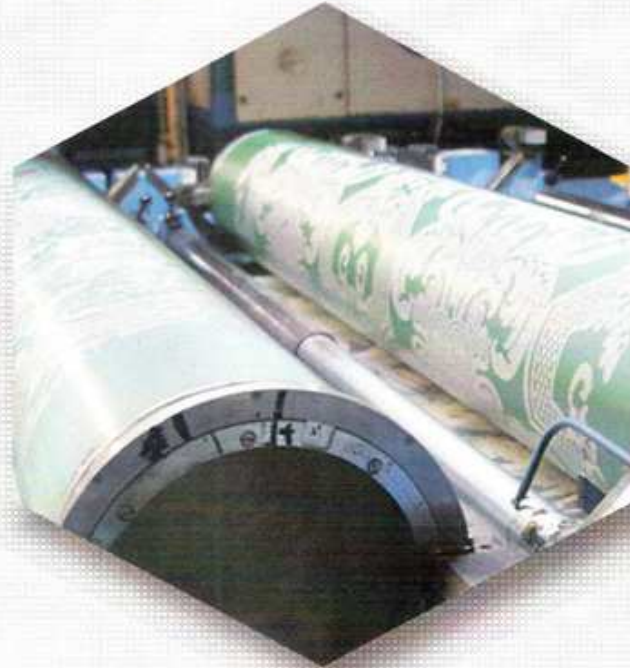


# ZIMMER<sup>USA</sup> dhall SCREENS

(A Proprietary Concern of Dhall Enterprises & Engineers Pvt. Ltd.)



**Zimmer**  
MACHINERY AMERICA



**dhall**



**Always, Customer at the core.**

# Raising The Artistic Standards in Textile Printing

Perfectionists to the core, Zimmer-USA Dhall are renowned for world-class rotary screens. Uncompromised quality of nickel procured from world's best suppliers coupled with impeccable uniformity in the finished product has given our screens an enviable place amongst customers. We take immense pride in this hard-earned position and continuously strive to serve our customers better.

In a competitive environment, most printers own sophisticated latest machines. However, it is the quality of the rotary screens which makes the final difference. Our highly experienced team understands that screens which are uniform, durable and customized to individual printing needs are a prerequisite for precise printing.

Expertly and accurately, we craft your unique needs onto customized rotary screens; enabling you to get 'never-before' results and earn accolades from your clientele. The combination of futuristic vision, sound experience and technological excellence, makes Zimmer-USA Dhall the first choice for ordering high-quality textile rotary screens.

## The Product

### AlphaScreen

"High performance, consistency and stability are the bench marks of AlphaScreen."

An AlphaScreen is highlighted by its capacity for high performance, its consistency and its stability. When your professional needs are fine shading, sharp lining and half tone printing, the perfect ratio of thickness and open area of an AlphaScreen make a tremendous difference in results.

Higher the open area, the greater is the dye penetrability with AlphaScreen. This gives AlphaScreen an excellent and deeper discharge effect through discharge printing.

AlphaScreen maximises benefits by printing at relatively higher speeds, enjoys reduced squeegee pressure, uses varying viscosity printing pastes, and provides increasing productivity. It also maximises value through multiple stripping and reuse, and by giving longer print runs.



### OmegaScreen

"Superb finish, accuracy and reliability are the benchmarks of OmegaScreen."

The OmegaScreen is a perfect solution fine print quality. All high precision printing needs such as uniform paste dispersion, very fine lines or half tone effects can be easily and repeatedly achieved with OmegaScreen. Their high-dependability makes them a highly sought after product in the printing marketplace.

OmegaScreen give smooth and balanced dye penetration and reproduce the finest design details flawlessly. Owing to their capabilities, OmegaScreen are specifically popular for fabrics such as fine Cotton, Silk, Polyester or lighter grades of other good quality fabrics.

# The Quality

Quality is the life line of any manufacturing corporation that wishes to create a long-term impact in the marketplace.

At Zimmer-USA Dhall, we completely believe in the philosophy of quality-based excellence. Right from procurement of pure nickel from world leader Inco Group, stringent quality control measures are taken at all levels of the manufacturing. And it doesn't stop there; even the packaging is painstakingly done for enhanced safety and user-friendliness.






Numerous checks and counter checks are conducted by machines and human experts, ensuring uniformity in the mesh, the wall thickness and the open area. The high ductility nullifies the possibility of screen cracking during high squeegee tension; making our screens extremely durable and easy to handle by the printer's staff. Moreover, our screens have a special surface structure which further adds to the durability of our screens.

## High tech for your competitiveness

We believe in high-tech and hi-speed manufacturing. Our experienced team quickly understands the customized requirements of our clients, and uses the latest machinery to produce accurate rotary screens of world-class quality.

We stick to our deadlines and also ensure economic efficiency in our production methods, providing you with competitively priced screens which are comparable to the best in the world. Due to this, we increase your competitiveness without increasing your budgets.

## The Performance

	Mesh	Uses
	<b>40</b> <b>60</b> <b>70</b>	Suitable for blotches (on heavy grades of cloth) Eminently suited for penetration
	<b>80</b>	For use with outlines Suitable for blotches (on normal grades of cloth) Adequate penetration
	<b>100</b>	Surface printing Outlines
	<b>125</b>	For all applications, Suitable for blotches Surface print and penetration Outlines and fine details, Halftone printing Discharge and resist printing
	<b>155</b>	Suitable for blotches (on lighter grades of cloth) Outlines, Discharge and resist printing Eminently suited for- geometric designs having - horizontal and vertical lines

# The Product Range

## AlphaScreen

Screen length (mm)	1410	1460	1760	1980	2080	2380	2530	2650	2950	3050	3500
Printing width (mm)	1280	1280	1620	1850	1850	2250	2400	2400	2800	2800	3200
Repeat (cm)											
<b>64</b>	40, 60, 70, 80, 80ED, 100 Mesh										
<b>66.8</b>	60, 70, 80 Mesh										
<b>91.4</b>	40, 60, 70, 80, 80ED, 100 Mesh										

## OmegaScreen

Screen length (mm)	1410	1460	1760	1980	2080	2380	2530	2650	2950	3050	3500
Printing width (mm)	1280	1280	1620	1850	1850	2250	2400	2400	2800	2800	3200
Repeat (cm)											
<b>64</b>	105, 110, 125, 125V, 155 Mesh										
<b>66.8</b>	105, 110, 125 Mesh										
<b>91.4</b>	105, 125, 125V, 155 Mesh										

Repeats are readily available. Other repeats may take additional time, due to production schedule.

### Technical Details :

Mesh	wall thickness microns	open area %	hole diameter microns
105	94	15	101
110	110	18	157
125	100	15	79
125 V	100	15	79
155	100	12	60

### Technical Details :

Mesh	wall thickness microns	open area %	hole diameter microns
40	118	23	320
60	100	16	161
70	100	15	131
80 ED	95	14	101



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