

spg prints®



Flat Tone Printing Screens

Rise above average in flat tone printing

With innovative Penta125, Nova165ED, Nova135ED Rotary Screens.

Printing tomorrow.

Flat Tone Printing Screens

The challenges of halftone printing

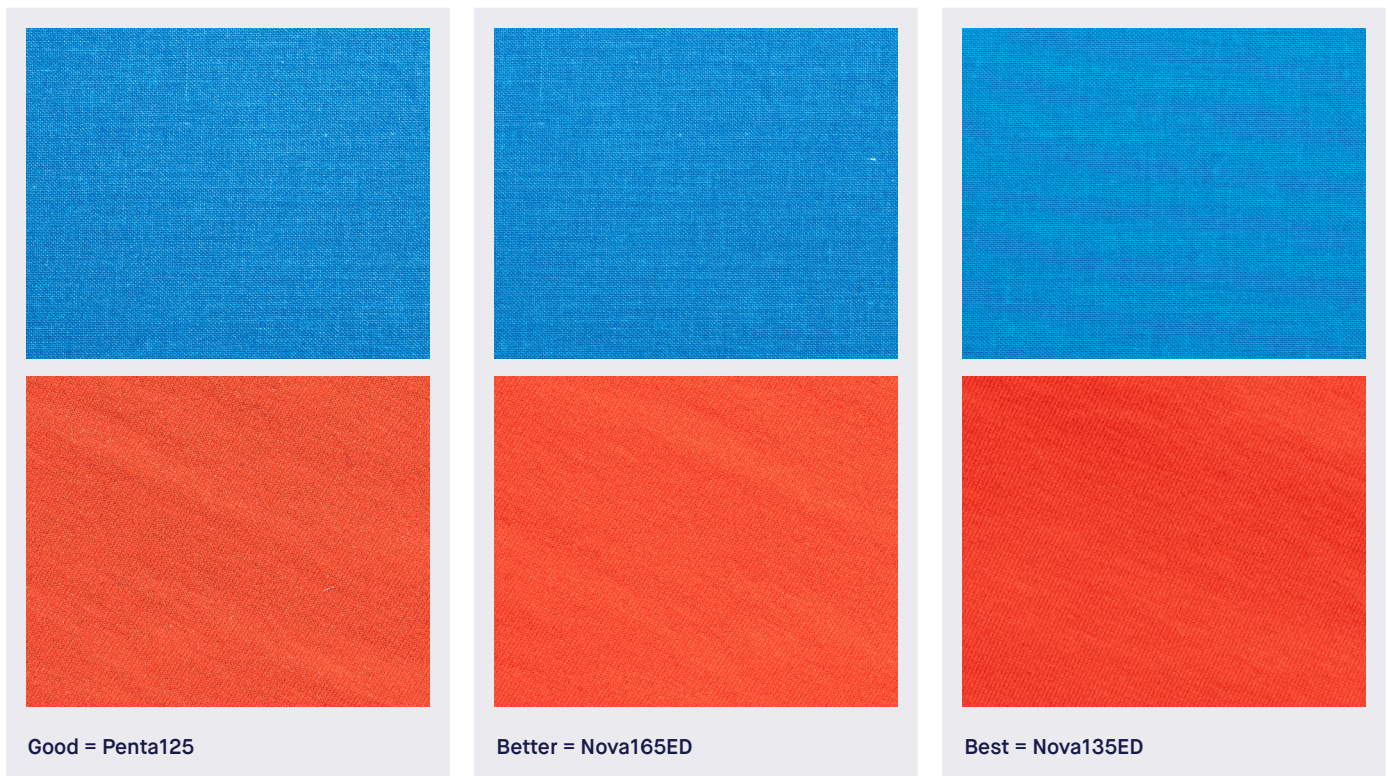
The most challenging factor in flat tone printing is achieving perfect micro-evenness in any shade of colour that the artwork requires. Any deviation during printing, such as wrinkles in the screen or unequal open area in the screen holes, will lead to inconsistent application of the paste to the fabric. This ultimately results in disturbing unevenness and well known centre selvedge of the colours of flat tones and blotches on printed textile.

Also the fibre structure of the fabric and the penetration of the paste have a great impact on the consistency of the printed flat tone. This requires the right open area of the screens in order to cover fabric sufficiently with paste. Too little open area causes poor coverage of paste and too much open area causes to spots on the fabric. The screen also has to be free of wrinkles to ensure the evenness of your flat tone.

Countering these challenges with innovative technology enables you to print distinctly better quality flat tones. With the SPGPrints Nova135 screen you can master the challenge of printing the perfect flat tone designs. Are you ready to take the next step?

The choice to be better

The most commonly used screens in the market are 125 mesh screens. But there is more to it than just the mesh count to produce high quality flat tones. Working with different wall thicknesses and different shapes of the bridges in order to achieve the right open area in the screens, will definitely lead to improvements of your designs. Compared to the Penta125 screen, the Nova165ED provides undisputable better quality of flat tones with just a simple upgrade. The top of the line Nova135ED screen takes this even further due to the optimal open area, making sure the evenness of your flat tones is maximized.



Innovative screen technologies

The Penta screen was developed to offer more open space, without sacrificing strength. This is made possible by a technology that enables a more round dam shape, which soon became the new standard in the market. The Nova screen takes the openness of the screen to the whole new level by introducing a the smallest possible conical dam shape. The unique dam shape allows for higher open area, leading to the need of less printing pressure and a more even transfer of the printing paste to the fabric.

Technical specifications

	Penta125	Nova165ED	Nova135ED
Standard packaging unit:	10pcs / 20pcs	10pcs	10pcs
Repeat:	640mm - 1018mm	640mm - 1018mm	640mm - 1018mm
Mesh:	125	165	135
Thickness:	100 µm	115 µm	120 µm
Open area:	15%	19%	22%



Learn more about
our rotary screens



About SPGPrints

With decades of innovation ever since we ignited the rotary printing industry, we are here to support your business.

While being a distinct leader in rotary printing, we have also become a pioneer in digital textile printing and a leader in digital printing inks. What hasn't changed is our drive to be a trusted partner. Our aim to continuously optimize the business of our customers with innovative technology has led to over 300 patents and a local presence in more than 100 countries. This means you can rely on our support and expertise locally. Not just today but also tomorrow! Printing Tomorrow is our vision to stay ahead for your sustained success as well as a sustainable future for us all.

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