



spgprints®



Unleashing precision for high performance functional printing

Printing tomorrow.

Consistent quality. guaranteed performance.

Pyrite is SPGPrints' nextgeneration RotaMesh screen engineered for customers pushing the boundaries of functional prints and printed electronics. When printing electronics or other high precision functional prints in high volumes, it is key to print ultrafine lines, ultraconsistent layers and even the smallest variation in the screen can impact performance. Pyrite eliminates those variables, delivering unmatched reproducibility, stability, and printing accuracy.

Why pyrite?

Developed to support customers moving from labscale prototypes to reliable fullscale production, Pyrite ensures that critical specifications are met every time. It offers a much narrower specification bandwidth than standard screens, enabling printers to:

- Achieve higher print quality and fewer rejects
- Print finer and more reliable conductive lines
- Maintain consistent layer thickness
- Increase production output and yield

Engineered for accuracy

High precision RotaMesh® base

Available in all existing mesh specifications and sizes—both seamless or welded—for maximum durability.

Ultra controlled layer thickness

Ensures the precise ink volume needed for conductive or other functional applications.

Produced with the Yttrium imaging system

Screens are coated and laserimaged in Boxmeer using advanced tooling for unrivaled reproducibility.

Certificate of analysis included

Every Pyrite screen comes with documented measurements to match customerspecific requirements.

Designed for functional printing & printed electronics

Pyrite is ideal for applications where precision, line definition, and inklayer stability directly impact part functionality. It enables printers to produce denser circuits by printing finer lines, while minimizing risks of ink flow, shortcircuiting, or line merging.

Mesh specifications	405, 305, 215, 195, 190, 185, 165, 160, 135, 130, 125, 105, 100, 80, 75, 40
Repeat sizes seamless	144T, 158T, 167T, 168T, 185T, 189T, 192T, 202T
Repeat sizes welded	96T to 202T
Emulsion thickness	Customer specific
Engraving resolution	50 micron