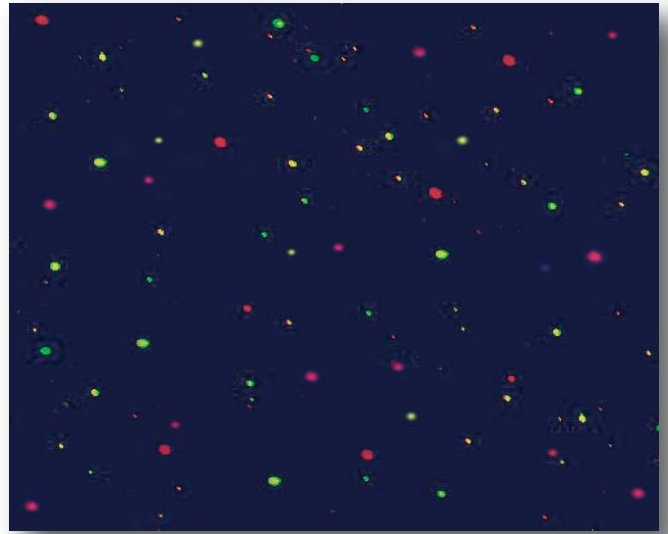


# PolyStar™

**PolyStar™** is a powerful security feature that can be processed into paper substrates. PolyStar particles are invisible, polymer based, machine-readable materials that contain Spectra Systems Corporation's proprietary security pigments. They provide multiple layers of defense in brand protection and document authentication.



Media embedded with PolyStar can be read by the VeriCam portable reader



PolyStar particles are only visible under ultraviolet light

**Machine-Readable** - The VeriCam™ portable reader/data terminal can perform precise imaging and analysis of unique particle characteristics.

**Engineered Formulation** - Developed internally by Spectra Systems, formulations are not disclosed to the public and are not commercially available from other sources of security pigments.

**Substrate Encoding** - When used in conjunction with Spectra Systems' VeriCam, subtle differences among substrate specific signatures are detected and decoded to determine a document's authenticity. Secure substrate products impregnated with these rare color particles provide a robust, cost-competitive feature for authentication and document protection.

**Durability** - PolyStar products are designed for high durability in document security and packaging applications and are manufactured under tight quality control. PolyStar has undergone extensive qualification in machine trial paper production, and in subsequent coating and print trials of many types, proving to be trouble-free in the running of these processes.

**No Body Color** - Under visible light, these pigments are easily hidden within the fibers of the paper substrate.

**Controlled Size** - The manufacturing process allows for precise and uniform size control.

**Broad Color Palette** - Spectra offers a significant range of colors that is particularly useful for brand protection applications.