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## How Multispectral and Hyperspectral Imaging are Improving Recycling

A new generation of multispectral and hyperspectral cameras is increasing the purity of many recycled materials to close to 100%. These cameras divide light into hundreds of narrow bands over a continuous range that spans the electromagnetic spectrum. The cameras collect hundreds of data points per pixel and combine these to generate a unique spectral signature (also called a fingerprint) for each material based on its chemical composition.

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