



## NIR Silver

适用于近红外检测和自动分类的银色颜料  
*Pigments for NIR Detection and  
Automatic Sorting*

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*Pigments for NIR Detection and Automatic Sorting*

**NIR Silver** 是适用于近红外检测的特制银色颜料。这些新型颜料使不同的塑料制品易于被识别并回收。

**NIR Silver** 特别符合近红外检测的要求，可反射出准确识别聚合物系统所需的关键波长指纹。使用 **NIR Silver** 的塑料制品可被近红外探测器准确识别和分类。

自动塑料分拣系统在近红外 (NIR) 光谱范围内运行。近红外光可以帮助回收设备检测出特定树脂并进行自动分类。近红外分拣机因此可以快速而无损地对消费后的 PET、HDPE、PP 和 PS 进行分拣。

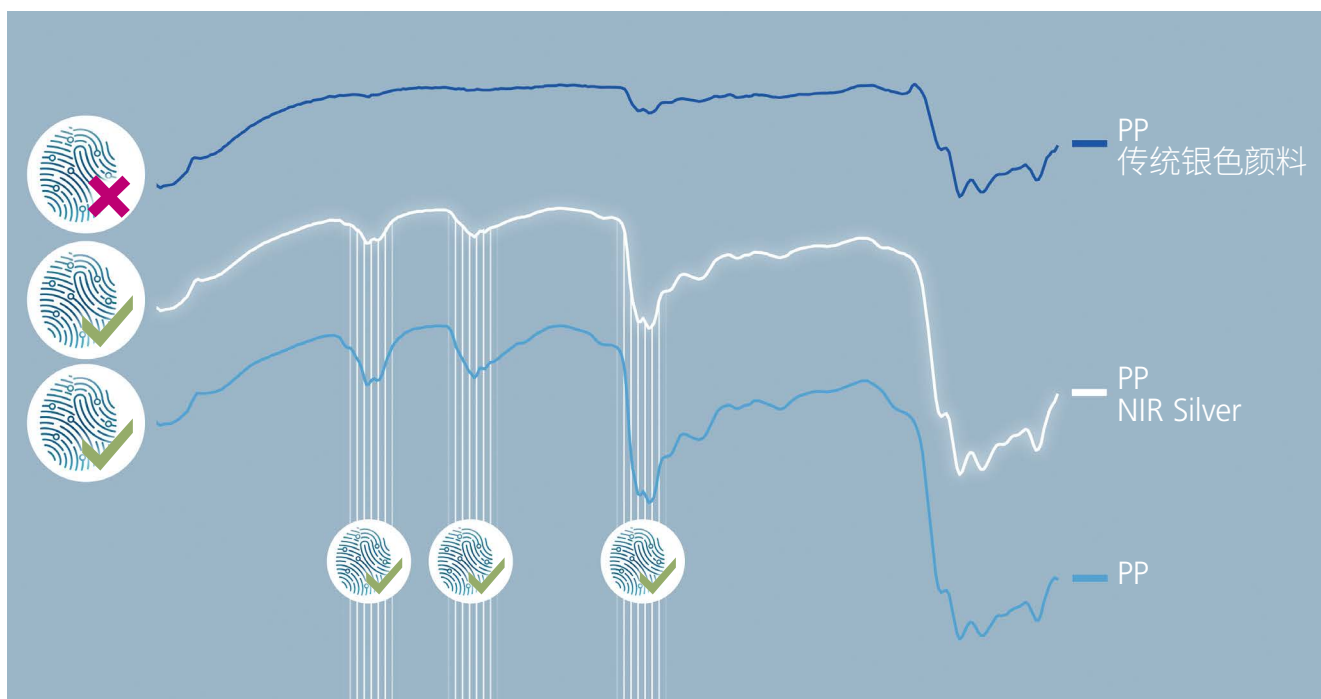
**NIR Silver** are tailored pigments to create NIR detectable silver shades. These novel products allow plastic products to be easily identified for recycling.

Plastics coloured with **NIR Silver** are identified by NIR sensors for accurate sorting. **NIR Silver** was especially adapted to the requirements of NIR detection. **NIR Silver** reflects the essential wavelength fingerprints required for accurate identification of the polymeric system.

Automatic plastic sorting systems operate in the near infrared (NIR) range. NIR radiation helps recycling facilities to detect and automatically sort and assign specific resins. NIR based sorters thus employ a rapid, non-destructive analysis to sort post-consumer PET, HDPE, PP, and PS.



NIR Silver 确保准确的近红外检测，便于回收设备的自动分类。  
*NIR Silver ensures proper NIR detection for automatic sorting.*



NIR Silver 反射出准确识别聚合物种类所需的关键波长指纹。  
*NIR Silver reflects the essential wavelength fingerprints required for accurate identification.*

近红外探测器根据不同树脂对近红外光谱的反射波长特征对它们作出区分。这种反射曲线就好比不同塑料(例如PP)的独特“指纹”。

如果使用某些着色剂，例如传统银色颜料，近红外检测器通常不能检出塑料种类。

使用 **NIR Silver** 的塑料如今可以被近红外探测器准确识别和分类。**NIR Silver** 是一种改变近红外检测游戏规则的创新性银色颜料。

另外，树脂消费后回收后 (PCR)，使用 **NIR Silver** 可以生产银色效果的再生塑料。

*NIR spectroscopy uses the wavelength signature of specific resins to distinguish them from one another. Plastics are thus distinguished by their unique “fingerprint” reflectance curve, for example PP.*

*NIR sensors are commonly blind to specific colorants like conventional silver shades.*

*Plastics coloured with **NIR Silver** are now identified by NIR sensors for accurate sorting. **NIR Silver** is a game-changing solution for the requirements of NIR detection.*

*Combining **NIR Silver** with Post Consumer Resins (PCR) provides solutions for attractive silver appearance in secondary plastics.*

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*With compliments*

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