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Platinum group metal refining



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As the largest secondary platinum group metal (pgm) refiner in the world, we've developed highly advanced processes for extracting and separating pgms from products.

We've been working with customers for more than 200 years, assaying and refining precious metal products from complex materials. Today we have processes so advanced we can refine pgms to a purity of 99.95%.

With refining sites and trade operations in Europe, North America and Asia, we offer complete refining solutions with a full refine-supply cycle. Our technical support teams work with our customers to provide the best possible refining options.

We're one of the only companies able to undertake full seven metal separation, helping you to recover:

- Platinum
- Palladium
- Rhodium
- Iridium
- Ruthenium
- Silver
- Gold

We process a wide range of feeds, from spent process catalysts and autocatalyst scrap to secondary mine residues and jewellery products. And with our precious metal trading support, we offer a completely tailored service to help mitigate risk in volatile markets.

We are committed to achieving the highest environmental, health and safety standards; our Brimsdown refinery is now classed as an upper tier COMAH site.

Advanced analytical capabilities

Our evaluation team apply technically advanced sampling methods and analytical techniques to ensure that your samples are assayed with high accuracy.

We study the total matrix of your material, evaluating both precious metal and non-precious metal content, before determining the best processing route for your materials.

The refining process

Pgm refining is a highly complex process which requires a deep understanding of material science, pyrometallurgy, multi stage chemical separations and analytical science. Our refining process involves four key stages:



For more information on the refining process please visit www.matthey.com/refining

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