



# A WIDE RANGE OF PROPERTIES FOR SPECIFIC COATING NEEDS

METAL POWDERS FOR THERMAL SPRAY APPLICATIONS



# CONSISTENT PARTICLE SIZE SUPERIOR SURFACE FINISH

## THE PERFORMANCE YOU'RE LOOKING FOR

For thermal spray applications, you can rely on Sandvik Osprey gas atomized metal powders to offer precisely the same quality and particle size distribution at all times – within each batch, and from batch to batch.

## PERFECT PARTICLE SIZES

Different coating processes require different powder particle size distributions. We tailor the particle sizes to the specific requirements of your coating process, or to your custom specifications, to optimize performance and cost. Our gas atomized metal powders are available in a wide range of particle size distributions, from <math><5\ \mu\text{m}</math> to <math><250\ \mu\text{m}</math> powder particle diameters.

## AND EXCELLENT FLOW CHARACTERISTICS

The quality of the surface coating depends to a large extent on the properties of the metal powders you use as feedstock. Flow characteristics are very important and our gas atomized powders offer excellent flow thanks to their spherical morphology.

For your operation all this adds up to metal powders with excellent coating properties that provide a superior surface finish. It doesn't get much better than this!

## WHATEVER YOUR PROCESS...

Our powders are highly compatible with a broad range of coating processes used today, including:

- Flame spraying
- Plasma transferred arc welding (PTA)
- Plasma spraying

Keeping pace with developments in the market, we have also developed powders for:

- High velocity oxy fuel (HVOF)
- Laser cladding
- Cold spray

## WE HAVE THE POWDERS YOU NEED

Just ask us. Take advantage of our comprehensive range of gas atomized metal powders for thermal spray applications:

- Cobalt and nickel based self fluxing alloys
- Cobalt based hardfacing alloys
- Nickel and cobalt based superalloys
- 80/20 NiCr
- Copper and copper alloys
- Nickel-aluminum self bonding alloys
- MCrAlY alloys
- Low alloy steels
- Tool and high speed steels

Our metal powder products are manufactured using proprietary technology and are available in a wide range of standard and customized alloys to comply with ISO 9001, ISO 14001 and OHSAS 18001.





#### **YOUR SUCCESS IS OUR BUSINESS**

We are a responsive, flexible and reliable partner. When you choose our products, our experienced staff listen to your needs and do their utmost to give you the most efficient service and technical support possible. Working in partnership with you we can help you achieve end-products with the highest quality and value...and sustainability for your business.

#### **WE SPEAK YOUR LANGUAGE**

Contact us. With sales offices in all regions there is always a Sandvik representative close to you. Let us help you today...

Recommendations are for guidance only, and the suitability of a material for a specific application can only be advised when the actual service conditions are known. Continuous development may necessitate changes in the technical data without notice.

