

MSSA

METAL SPRAY SUPPLIES AUSTRALIA

Engineered Surfaces for Exceptional Performance



Zinc Sprayed Artwork - Image provided courtesy of [Ironie Art, Gatton QLD](#).

Welcome to MSSA NewsWire Issue 8

In this issue we explore the diversity of Metal Spraying in **Decorative and Artistic Applications**. As well as this, we announce the release of a **New Arc Spray System** (featuring a **Light-Weight Pistol**) and the added benefits this system can provide.

We also highlight our three **New Videos**, rich with information and visual examples of the diversity, benefits and uses of Metal Spray in the [Anti-Corrosion](#) and [Engineering Industries](#).

Did you know that MSSA have a partnership with Metallisation and Lase (UK) providing **Turnkey Laser Cladding Systems**? We present some further information on our partnership, as well as the Laser Cladding equipment itself.

DECORATIVE COATINGS - METAL SPRAY SOLUTIONS



Zinc Sprayed Artwork - Image provided courtesy of [Ironie Art, Gatton QLD](#).

Decorative Metal Spray coatings can be applied to just about anything including **Wood, Polystyrene, Plastic, Glass, Paper, Ceramics** and can be used in **unlimited Artistic applications**.



Image provided courtesy of [Ironie Art, Gatton QLD.](#)

An impressive example of the use of **Metal Spray** in **Decorative Art** is this garden gnome sitting as a part of a hand rail. This artwork was **Metal Sprayed with Zinc** and top coated with paint.

Movie Sets and Props



Did you know that **Metal Spray** is used for creating **Scenery** and **Set Props** in **Hollywood Blockbusters**? The image above shows the Metal Spraying of a **Map of the World** which was used in the "**Clash of the Titans**".

Metallisation signed a deal with **Pinewood Studios**, where movies including "**Pirates of the Caribbean**" and "**Harry Potter**" have been filmed.

Artistic Metals



Artistic Metals, based in Uckfield, UK specialise in **Metal Spray Finishing with an Aesthetic Twist** and provide a wide range of diverse decorative items ranging from a bronzed pear, dining tables and chairs through to the **Revolving Doors of the Houses of Parliament**.

Chris Bose at Artistic Metals, says: "We have taken this traditionally industrial anti-corrosion process to a whole different level. By developing some additional finishing we have created a range of **Durable Contemporary Metal Finishes**. We specialise in using our own applied metal finishes to create stunning effects. **Antique Bronze** is especially popular because of its **Warm and Luxurious Appearance**. While copper, brass and Verdigris give a real wow effect. We also use the ever-popular mirror polished stainless steel for a complete contemporary look."

[Click Here](#) to find out more.

Exhibition Centrepiece



Metallisation produced an exhibition piece to demonstrate the
Diversity of Coating Thicknesses possible with the Metal Spray Process.

The centre is a 10mm diameter mild steel bar, the outer layers are all Metal Sprayed materials that were machined after spraying. Although this is not practical, it does prove a point on capabilities.

Headstone Inscription



Another application that decorative coatings are used in Australia is the inscription of lettering on headstones using Metal Sprayed Aluminium.

Furniture

Designers have used **Metal Spray to portray their Artistic abilities** on unique pieces of furniture. An aluminium thermal spray series of furniture has been manufactured by Max Lamb, a British Designer. The pieces are constructed from **polystyrene and finished with a metallic coating.**

[Click Here](#) to see his gallery of unique metal sprayed furniture pieces.

NEW Metallisation Light Weight Push Arc Spray System



Metallisation have introduced the **Arc Spray 145P Push System** to the market. The pistol includes many parts that are industrial 3D printed from a lightweight, **Carbon Fibre Reinforced Plastic**. This system was built around the very popular 140 system and is the result of customer survey results where some customers highlighted a need for a **Lightweight, Flexible Pistol**.

[Click Here](#) to find out more.

Laser Cladding Equipment Now Available



MSSA now works in partnership with Metallisation and Lase (UK) to provide a **Turnkey Laser Cladding** product with **ongoing support and training** available. Lase have not only developed systems with Metallisation, but also offer **support and consultancy** for those that require it. We have heard so many times that customers are being left to develop coatings by themselves with no support after the equipment has been purchased. This partnership has been made to overcome these issues.

Sam Lester, Technical Director at LASE says: “The **MET-CLAD System** is the result of a lot of work between us and Metallisation. I am delighted with the system, which is very **easy to use and incredibly flexible**. Traditionally, laser systems have been cumbersome and technically complex, which limited the uptake of laser cladding in industry. Now, thanks to the input of both LASE and Metallisation, **we have a system that is robust, simple to use, incredibly effective.**”

For more details on Lase, [Click Here](#).

For more details on the equipment, [Click Here](#).

New Videos

We are excited to showcase our three new videos. The first and second videos explore the **Anti-corrosion** industry as a whole, which includes many applications where protective **Metal Spray Coatings** are used. The second video looks specifically at the **Metal Spraying of Infrastructure, specifically Bridges**. The third video provides an insight into the many uses of metal spray in the **Engineering Industry**, covering many applications including **Aerospace, Automotive, Mining, Earth Moving** and many more.

Check them out by clicking on the relevant tabs below!





The Metal Spraying of Bridges **for Anti-Corrosion**



Engineering Coatings

What is Metal Spray?

Other Industry Applications

Equipment

Consumables

Feature Article in the Next Issue of NewsWire:
ELECTRONICS INDUSTRY APPLICATIONS

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