

# Capability Statement

## IMPREGLON AUSTRALIA

Impreglon Australia is an international company with 35 years experience in the metal finishing industry both locally and abroad. We provide high quality, worldwide quality coatings to the manufacturing, pharmaceutical, construction, mining, automotive, medical, architectural, engineering, electronic and defence sectors. We have the personnel and facilities to provide a broad range of coatings for any size project with proven quality and reliability.

Impreglon develops single and combination coatings that are designed for specific applications and are based on fluoropolymers, metals, plastics, ceramics, nanostructures and powdercoatings. They can be used to optimise traction properties, protect against corrosion, give parts non-stick properties, improve their physical appearance and better their resistance to wear. We're a true 'one-stop-shop' for all your surface coating needs.

### ANODISING

We offer standard, coloured and bright anodising. We have access to a world-wide anodising knowledge base, in-house quality and corrosion testing facilities. One to one million component capabilities, with the ability to do custom work. Impreglon can anodise components up to 2650mm long, 850mm deep, and 400mm wide in our general line.

### HARD ANODISING

We process aerospace, military, manufacturing and medical components with the same experience, quality assurance and testing capabilities as our standard anodising offering. Impreglon can hard anodise components up to 2650mm long, 850mm deep, and 400mm wide.

### POWDERCOATING

Powdercoating is an organic coating method which uses a material in the form of a fine powder. Powdercoating does not require a solvent to keep the binder and filler parts in liquid suspension. Impreglon can powder coat parts up to 6000mm long by 2000mm high by 900mm wide on our fully automated line. Our batch line can coat parts up to 8000mm long by 2200mm high and wide. We follow the AS-NZS-4506 Standards and have access to the world's top powder manufacturers and their expertise.

### E-COATING

Also known as Electrophoretic Coating, EDP, Electropainting, KTL, Kathodische Tauch Lackierung, CDP or Cathode Dip Painting, this is one of industry's most efficient coating methods. Impreglon can E-coat parts up to 2800 mm long by 1100mm high by 450mm wide.

### TEFLON

Teflon is a synthetic material. It's unique chemistry is particularly useful in preventing hot or cold solid materials permanently adhering to the surface. Impreglon can Teflon coat parts up to 2000 mm long by 1100mm wide by 500mm high.

### ZINC COATINGS

Impreglon Australia offers three types of zinc coatings to our customers. Zinc Electroplating, Zinc Flake and Zinc Phosphate. We also offer combinations of the above. Subject to the application method, Impreglon can coat large components.

### THERMOPLASTIC COATING

Thermoplastic coatings are similar to powdercoating in that they can also be applied with an electrostatically charged powder, but they do not 'set' when heated, and can therefore be repaired with heat.

Subject to the application method, Impreglon Australia can coat almost any sized components. Due to the nature of the process, fluidised bed applications are more restrictive on component sizes.

### VAPOUR HONING

This mechanical finish also goes by the names Silk Etch, Vapour Blasting, Slurry Blasting, Aqua Blasting and Wet Blasting. It is a mild blasting process where a slurry of water and an abrasive, pressure boosted by air, is pumped through specially designed equipment. Generally this process is suited to smaller parts.

### ABRASIVE BLASTING

The use of mechanical pre-treatment to prepare a surface for subsequent surface coating is becoming a more and more important tool in our finishing service. Removal of rust scale and other surface contamination is the basis for a quality surface coating. Generally, Impreglon processes smaller components, but our maximum length is 5 metres long.

### MASS FINISHING

The mechanical process of refining the surface of a product by tumbling work in a suitable media is a long established finishing process. Abrasive media which can be anything from coarse ceramic abrasives to highly polished steel balls resulting in either metal removal or polishing. Generally this process is suited to smaller parts, but in our larger machine we have process parts weighing in excess of 10kgs.

### SPECIAL OPERATIONS

Put simply, Impreglon Australia's Special Operations department is set up to give you a level of service and problem solving abilities that's previously never been available from an Australian coatings company. Whether it be new machinery, salt spray testing or even experimental coatings, we've got you covered.

Like what you see? Then let's talk. Call us on +61 2 9603 2388

# Industries Served

## MINING

There are few greater challenges for a metal than to survive a mining environment. If you're ever underground in a mine, take a look around. Chances are you'll see very few pristine metal surfaces. The more likely sight is that of water, rust and corrosion. Mining is unbelievably tough on metals and their finishes. It's not uncommon to hear stories of metal components in mines being replaced on a monthly basis due to their inability to withstand the environment.

But at Impreglon Australia, we have over 10 years of experience with mining environments. No matter what the requirement you have or challenge you face, we'll be there.

## AUTOMOTIVE

We've been providing metal finishing services for the auto industry for almost 50 years. Through the great Aussie muscle car era of the late 60s and 70s and right up until today, we've been proud supporters of an industry that made Australian manufacturing and metal finishing what it is today. And if there's one thing we know better than anything else, it's metal finishing for cars. Whether it be rocker covers, suspension or underbody components, we're your go-to guys for pretty much every auto finish imaginable.

No matter what the requirement you have or challenge you face, we're confident that we will be able to provide a solution that will not only meet your requirements, it will exceed them.

## MEDICAL

Supplying surface finishes for the medical industry, be it for tools or other high tech equipment, can test many surface finishers. Often, the customer's needs regarding cleanliness, contaminants and consistency can provide too big a challenge for an industry that's more used to grease and grime than spick and span.

At Impreglon Australia, we have some very solid experience with metal finishes and coatings for the medical industry. We also understand the challenges of supplying finished components into clean and sterile environments.

## ARCHITECTURAL

Architecture can prove a real challenge to average coating providers. Many jobs for the sector rely on three key requirements that many surface finishers would find incredibly difficult to deliver against. These are quality, consistency and size. While a few might be able to handle larger sizes, they will struggle with consistency and vice versa. And the last thing anyone wants is to install components on-site that then have to be removed due to inferior quality.

But at Impreglon Australia, we have many years of experience with architectural work. No matter what the requirement you have or challenge you face, we can work with you.

## ENGINEERING

When you're talking about aeronautical engineering, it will come as no surprise that mistakes just aren't on the radar. It can mean the difference between parts that succeed or fail and a plane that may be grounded – or worse. That's why companies that need coatings to be right first time, every time, come to us. Companies like Qantas and Harringtons. Because when safety is your primary concern, there's no substitute for Australia's best coatings.

At Impreglon Australia, we have 40 years of experience with engineering work. No matter what the solution is that you are looking for or the challenges you face, we're confident that we will be able to provide a solution that will not only meet your requirements, it will exceed them.

## ELECTRONICS

You've just designed an electronic device that you think is a game changer. With your market knowledge and its innovative circuits, you're seeing big things on the horizon. But have you considered how it will stand up to the rigours of the outside world? Be it adverse conditions, temperature variations or moisture, genius electronics count for nothing if they aren't working properly.

Here at Impreglon Australia, we have many decades of experience with housings and finishes for electronics. Got a challenge you need help with? Let us help.

## DEFENCE

We know that the challenge of working on defence jobs should never be underestimated. With a wide range of milspec contracts under our belt dating back almost twenty years, we're quietly confident that we are more than able to meet the exacting needs that defence work asks of the surface coating industry.

So no matter what the requirement you have or challenge you face, we know that we will be able to provide a solution that will exceed your expectations.

**Impreglon Australia** is part of the Global Impreglon family. We have our own plants in over ten countries. We consider our international presence as essential in order to be right where our customers need us, to offer a consistently high standard of quality industrial coatings right around the world. We also rely on this global experience to move us forward as it allows customers just like you to benefit from a brains trust that's one of the world's largest.

In addition to developing and applying coatings, Impreglon handles all of the other services required by its customers, from procurement to warehousing and delivery of the finished components. We call this one-stop shopping.

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