

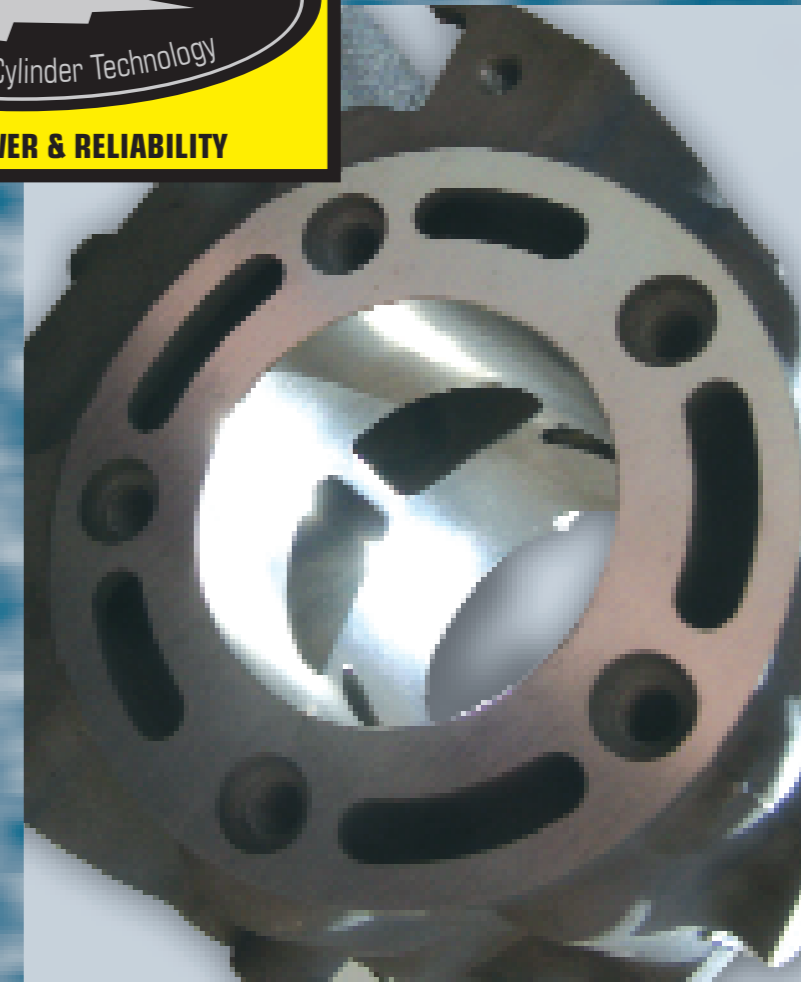
ELECTROSIL MOTORSPORT TECHNOLOGY



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CYLINDER REPAIR & COATING SERVICE

THE ELECTROSIL ADVANTAGE

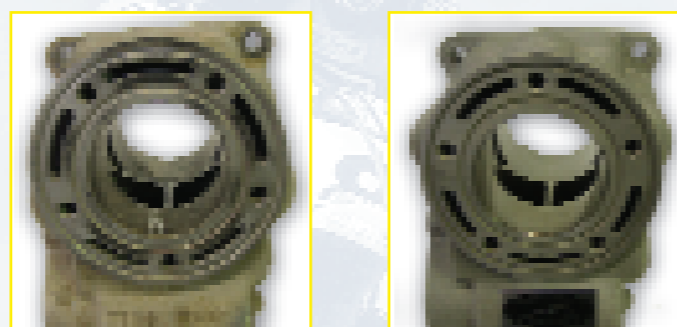


Electrosil is the name given to an advanced electroplated composite cylinder coating developed in Australia. We use our high tech Electrosil coating technology for the recovery of damaged and worn aluminium cylinders and have become world leaders, pioneering the reconditioning process for aluminium engine cylinders.

Our process involves TIG welding any scores or cracks, precision machining, then applying our unique Electrosil coating process. The Electrosil coating consists of ultra-hard carbide particles included into a hard metal matrix. This coating is then custom machined using diamond tooling to extremely high precision and tolerances, including the chamfering and polishing of all port edges when required. The final product is an extremely hard wearing, durable protection barrier for your cylinder matched to suit piston tolerances.

Have a look at ELECTROSIL for yourself!

A cylinder bore with extensive damage caused from piston seizure, broken rings or a dropped circlip. Electrosil can repair scores or cracks in the cylinder wall and restore cylinders to perfect operational condition.



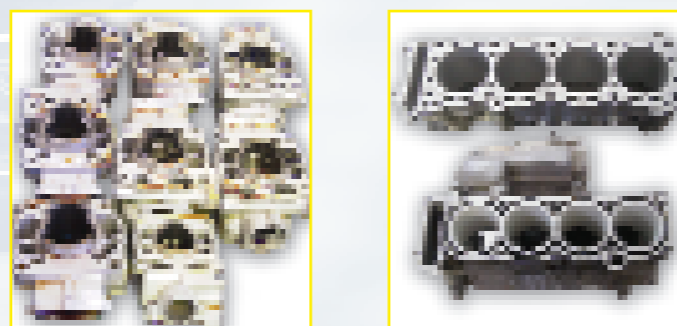
Rod breakage or piston failure can cause the cylinder skirt to crack or break away. Even without the broken piece Electrosil can rebuild the skirt and salvage your cylinder.



High compression with incompatible fuel or incorrect ignition timing can cause detonation and erosion of the cylinder head surface. Electrosil can repair and restore the cylinder headface to original condition.



Electrosil can apply its coating technology to a large range of engine designs.



The Benefits of ELECTROSIL MOTORSPORT TECHNOLOGY

The unique silicon carbide metal matrix composite coating used in the Electrosil process is a breakthrough in performance engineering. Our cylinder coating treatment is superior to earlier technology such as cast iron liners, chrome and electrofusion. Here are just some of the reasons why the Electrosil process is the ultimate in advanced cylinder technology:

- Tough and durable materials providing superior resistance against wear and corrosion
- Extends engine life
- Excellent oil retention
- Reduced sliding friction
- A faster, more even engine warm-up
- Similar expansion coefficients for piston and cylinder wall
- 10 X harder than steel
- Porting is not affected
- Superior heat transfer
- One third the weight of cast iron liner
- Out lasts & out performs genuine OEM parts
- Customised BigBore & modified cylinders

Applications for Electrosil

Our purpose built coating facility coupled with our team of highly trained engineers have many years experience in both coating and repairing a wide range of high performance aluminium engine cylinders.

- Motorcross Motorcycle
- Karting
- Jet-Ski
- Marine
- Road Race/Grand Prix Motorcycle
- Formula One / Motor Racing
- Snowmobile
- Aircraft

In fact almost any single or multi-cylinder aluminium engine block can be completely restored using the Electrosil coating process.

Why use Electrosil?

Electrosil provide assurance in 4 key areas:

- Standards of customer service
- Quality of workmanship
- Turnaround time
- 6 month coating guarantee

Our Quality is second to none:

- We have exceptional skill in reclaiming extensively damaged cylinders
- Our team is highly trained with years of experience
- We provide quality assurance and guaranteed workmanship
- Our customers include engine manufacturers, factory race teams, top engine tuners, race champions and private racers from around the world.

Our Customer Service is exceptional

- Fastest turnaround time possible
- Friendly, helpful and knowledgeable staff
- Customer confidentiality guaranteed

Our pricing is cost effective

- Highly competitive against OEM parts