

Additive Manufacturing Technology Information Sheet

Severe abrasion is an issue commonly faced in several industries. Severe friction between machinery and bulk material erodes the metal, requiring regular replacement.

Tungsten Carbide Embedment is a method of additive manufacturing offered by Master Steel. This method is a strong hardfacing option that prolongs the life of high wear equipment. Tungsten carbide is embedded in a matrix of hardfacing weld metal – holding the carbide granules in place while the welded metal binds it to the wear part.



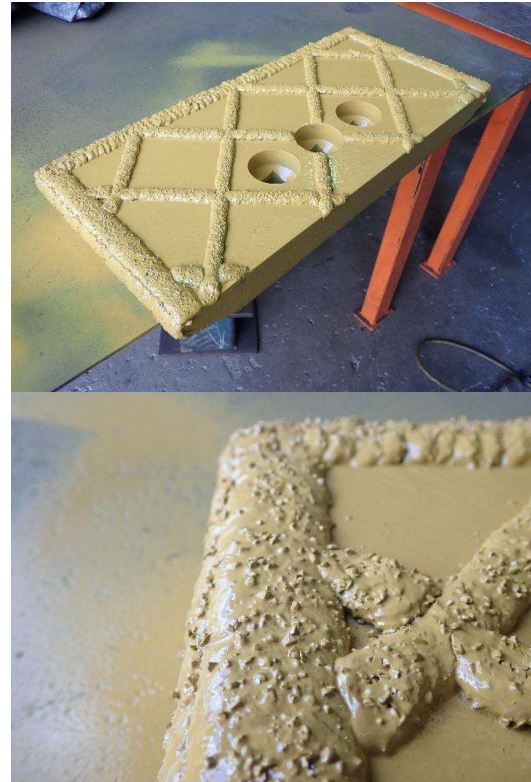
We service the following industries including :

- ✓ Earthmoving
- ✓ Mining
- ✓ Demolition
- ✓ Materials Processing
- ✓ Civil Works

NOTES:

- ✓ This hardfacing process delivers a regular interval of Tungsten Carbide granules onto a molten weld pool at precise intervals prior to freezing.
- ✓ The result is a weld body that provides 2 to 10 times better wear life than previous hardfacing alloys, at an economical cost.

PAST PROJECTS:



*Sample is available at request

Master Steel is an ISO certified manufacturer of Australian products world-wide.



Master Steel products are designed and made in Australia with certified personnel, manufactured to our stringent ISO 3834 quality systems.

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