

## 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.



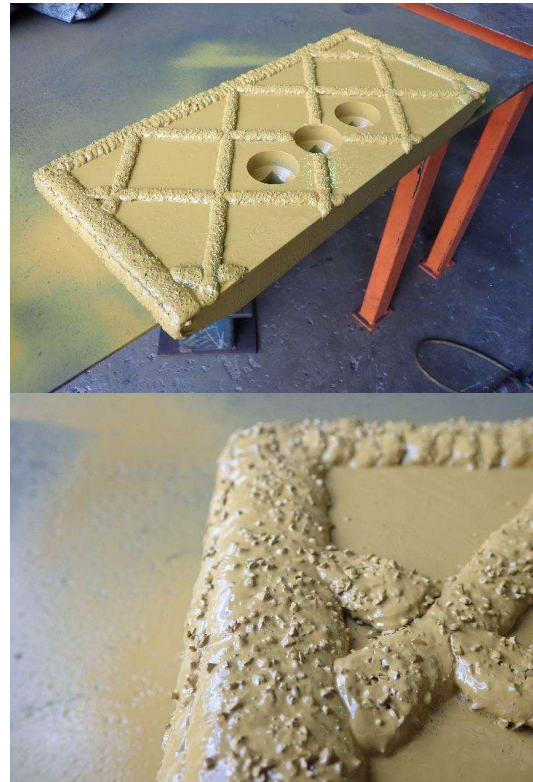
### We service the following industries including :

- ✓ 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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