



Left: A typical cut copper block on display for operations to view, ready for resmelting. Below left: Swarf cuttings. The vacuum attached to the saw captures the swarf generated, to ensure all material is captured for resmelting, maximising returns.



Copper Saw

Previously, the nature of copper has made it difficult to process into smaller, manageable sizes for resmelting. This new technology easily processes copper, and can also be adapted to suit other materials generated from the smelting process.

Right: The working saw slicing through a six tonne copper block. This sawing technology can also be utilised for processing other materials refined from smelting operations, such as nickel, steel, lead, and zinc. Below: The smooth faces of the copper cuts.



LIBERTY INDUSTRIAL
Specialist deconstruction services



Safe, efficient and cost effective, the copper saw is easily manouverable and produces a quality, clean cut face.

As part of Liberty Industrial's innovative approach, we continue to strive to develop new systems to make the demolition environment safer and more efficient.

Our latest development has been the creation of a custom built copper cutting saw. Working closely with our project partners, EA Hire (industry leaders in plant hire), in developing this new technology, large copper blocks (which were previously difficult to downsize for re-smelting), can now be processed efficiently and cost-effectively.

The saw is a designed and custom built hydraulic saw, mounted on a 12 tonne excavator. The saw is also suitable for use on eight and five tonne excavators. Easily manouverable, it can be used in a small working area.

The saw has a vacuum extraction system for swarf and shavings, so

recovery of material (and hence profit) is maximised. The vacuum system operates using a 4 KVA external generator.

Developed in conjunction with our project partners, EA Hire, the copper saw eliminates the need for the thermal lance process. The saw is safer, more cost effective and more efficient than the traditional thermal lance process. It utilises new cutting technology through proprietary knowledge on the design of the blade and the cutting tips.

- The saw can be mobilised to any region of Australia.
- No wastage
- High quality clean cut face.
- Ideal in the context of asset recovery
- Proven and it works!

For more information on how we can assist your business, please contact our office.

Contact us

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