

Aximill

Technology manufacturer developing sustainable product from waste

Aximill are an Australian owned and operated company that manufactures commercial grinders. Their grinders are unique in that they micronise, dry or wet, and classify materials – all from one machine. An Aximill can replace ball mills, pin mills, jet mills, hammer mills, rotating disc mills, and others, across a vast range of materials. Aximill technology is applicable to many

markets, including; food, metal powders for 3D printing, pharmaceuticals, minerals and agriculture.

USG Boral have a long history of developing products for the building sector – including plasterboard. Plasterboard is a fragile product and readily breakable during the manufacturing process. Consequently, this waste ends up in landfill.

Our Solution

Aximill

City of Bayswater

Feedstock

USG Boral's waste is mostly paper, however, it has plasterboard associated with it.

Output Stock

The Aximill machine processes the plasterboard and develops a compostable kitty litter waste.

Feedstock

Trialling with McDonalds, 220kg of coffee ground is also being collected each week.

Output Stock

Aximill utilises coffee ground to help reduce dust within the kitty litter + assist with composting process.

The Benefits

\$130,000/yr

of cost savings to Businesses

11.5 tonnes/yr of coffee grounds

waste diverted from Landfill

Up to 1,000/yr of paper waste

diverted from Landfill

Forecast Industrial Symbiosis Benefits at Commercial stage

This early stage project demonstrates the strength and value of collaboration between council regions within ASPIRE.

\$3-4 million New Private Investment

3-4 Potential new jobs