

Switch it up

IT'S NOT JUST A NAME THAT ALLU MATERIAL PROCESSING BUCKETS SHARE WITH ONE OF THE MOST RECOGNISED MOVIE FRANCHISES.

Optimus Prime, the leader of the Transformer legacy, could easily have been speaking about ALLU buckets in his quote: “There’s more to them than meets the eye”.

The ALLU Transformer range converts a loader or excavator into a multi-function tool that will screen, crush, mix, load, aerate and pulverise waste.

They also transform waste materials into a new usable product, making processing jobs more efficient and environmentally friendly, while also minimising transport costs.

“Traditionally, contractors would load up a truck with demolition waste and dump it at landfill,” says Sami Rahman, ALLU Area Manager. “Now they’re thinking about how they deal with waste and how they can reuse it.

“Contractors are finding there is so much that can be recycled.”

ALLU buckets are purpose-built to process just about anything, including demolition and construction waste, excavated and waste soil, contaminated soil, clay, peat, bark, compost, and bio-waste, all in one-step.

The processed material can be reused on site, reducing the need for virgin materials, or sold to generate extra income. Less material to landfill also means less expense in both landfill levies and transportation costs.

Sami cited disposal of construction waste in Victoria as an example of how cost-effective the ALLU transformer bucket could be.

The state’s waste levy rate for municipal and industrial waste has



ALLU buckets are purpose-built to process a range of wastes.

increased from \$44 per tonne in 2012 to the current \$129.27 per tonne.

“It is common practice to remove fill from site, then to bring clean material back to achieve the required compaction,” he says.

“This means you’re paying \$129.27/tonne in disposal costs, \$2 to \$3 a kilometre to run a truck to the waste facility, then if you buy clean fill, you again pay \$2 to \$3 a kilometre to bring product back to your site. This also

HOW IT WORKS.

PHASE ONE

- Start



PHASE TWO

- Screening and Crushing of material
- Optimal material flow
- Normal drum rotation
- Approx. 3/4 of full bucket



PHASE THREE

- Optimal material flow and material circulation
- Minimal vaulting
- Approx. 1/2 of full bucket



PHASE FOUR

If needed

- Reversed drum rotation
- Approx. 1/4 of full bucket



ALLU **TRANSFORMER.**

The ALLU bucket converts a loader or excavator into a multi-function tool.

involves considerable use of valuable time on your project.

“Rather than allowing waste to become an increasing cost, you can use the ALLU Transformer bucket and process your existing fill on site.”

Sami says the buckets are designed and made to withstand the tough conditions of recycling and resource recovery. This is thanks to the steel used, while engineering ensures load distribution and screening systems don't compromise the bucket's integrity.



Engineering and design ensure the ALLU buckets are structurally strong.

With a drum system, the material goes in and hits the walls of the bucket, that can cause structural damage.

“But with ALLU buckets, when material is screened, it rolls into the middle of the bucket and floats, rather than pushing material towards the walls of the bucket,” Sami says. “They last much longer than others. That's where engineering comes into play.”

Manufactured in Finland, the ALLU Transformer range is among the widest spanning on the market, with units available to fit almost any base machine from the compact DL Series, that suit excavators from four to 12 tonnes, through to the M Series, which will fit excavators up to 160 tonnes and wheel loaders up to 90 tonnes.

ALLU has been sold in Australia for the past 20 years, but in 2018 the company established a national dealership network to provide better support and product supply.

ALLU machines and parts are in stock in Australia. Sami reports directly to the factory, so customer support is almost immediate.

“There are a lot of companies with a presence in the country but are not on

the ground,” Sami says. “I moved back to Australia at the end of 2018 from the Middle East because ALLU wanted to strengthen its Australian network.

“It's very important to be able to support customers quickly.”

Taking the transformation theme to another level, the ALLU app is also transforming customer productivity, safety, and efficiency.

The app can notify customers about the need for maintenance or replacement of wear on parts, provides real time guidance of working angles and timely information about safe operations on jobsites.

All ALLU buckets have a sensor fitted to them. The ALLU app keeps track of a bucket's working hours, cycle time, safety, and operating manuals.

“ALLU has a very big research and development department,” Sami says.

“It's the only way we can keep up with the ever-evolving waste and recycling sector.” ■

For more information, visit:

www.attachmentspecialists.com.au/allu or www.allu.net