

Nominee | **Tilda Limited**
Designer | **Tilda Limited and Russell Finex**
Title | **Manual handling of frozen food ingredients**

“ The new vibratory sieve has had a positive impact on the work environment in the de-box area. The new equipment and layout has meant a big reduction in lifting, ‘box bashing’ and repetitive movements when lump breaking. I find my shifts less physically stressful and much less tiring when working in this area. ”



BEFORE



- The challenge was that operatives were manually lifting large numbers of frozen rice blocks per shift, each weighing 10kg–15kg, and manually breaking them.
- The risks from this include manual handling accidents, as well as back and arm strain.

AFTER



- The team identified a vibratory sieve and trialled it for use in breaking frozen blocks. In addition, lifting tables and conveyors were used to design a new automated workstation layout.
- This solution has proven successful, and since the introduction of the sieve there have been no reports of manual handling injuries related to the activity of breaking frozen blocks.
- The design has resulted in several other benefits, including reduction in processing time and wastage.