

LOAD MANIPULATION

tipping, tilting and rotating

Engineered

Innovative

Proven



Multipurpose: (clockwise from left) transporting and tipping containers at a containerized composting facility; rotating pre-cast concrete beams; unloading containers from trucks and tipping them to dump the material.

Proven application engineered solutions enable handling equipment to carry out additional functionality.

Isoloader's range of straddle carriers and rubber tyred gantries (RTG) can be leveraged to not only lift and transport containers and heavy loads, but also to grab and manipulate them, including rotating, tipping and positioning.

Rotation: heavy loads such as 50 tonne pre-cast concrete rail segments at Prefarail's Belgian production facility, can be rotated about either the vertical or longitudinal axis, allowing the load to be fully inverted.

Tipping: containers filled with bulk material can be tipped up to 50 degrees using either straddle carriers or RTGs for dumping and filling. At Cascade's Vancouver containerized composting facility, a straddle is used to do both, placing the containers on to angled racks for filling, dumping the material out onto the floor in the curing shed, as well as transporting and stacking the containers 2 high.

Precise positioning: positive displacement hydrostatic drives with negligible backlash and independent side-shift or cross-travel drives, allow the precise positioning of the load including angular trim in both the horizontal and vertical.

Custom grab and squeeze: for loads that cannot be lifted with conventional lift-pockets or lift points, Isoloader has a range of grab arms that can reach and lift the load from a bottom lip, such as when handling swap bodies. Lateral pressure can be used to squeeze and align the load, as required when handling multiple bundles of ingots.

Isoloader is a global provider of container and heavy load handling solutions, manufacturing straddle carriers and rubber tyred gantries - call us, we can help.

SERVICE AND INNOVATION

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CONTAINER & HEAVY LOAD HANDLING SOLUTIONS