

Technical Specification

Type: Tub Elevating and Tipping

FPE can design and build Tub Elevating and Tipping Systems for a wide variety of applications within the food industry.

The unit is fabricated from Stainless Steel to meet the exacting hygiene standards demanded in the meat and bakery sectors, and complies with all European Health and Safety requirements as it is fully CE certified. The unit has two vertical support columns to suit the required elevating height, and has integral guarding elements that aid the rigidity and stability of the machine.

Running between the two vertical columns sits the main carriage, which supports and holds the load in position. The main carriage is in turn supported by two smaller lifting carriages that run inside the vertical columns, and are the connection point to the lifting mechanism.

Each lifting carriage is fitted with four bronze bushings, which run between guide rails inside the vertical columns to ensure a friction free rolling movement, differing from most typical sliding motion lifters. The machine is also fitted with an integral Anti-Drop mechanism that ensures the load is supported in the event of a breakdown.

The main carriage is fitted with lifting forks as standard, but is also available with lifting lugs and captive carriage. The lifting mechanism is driven by a shaft mounted geared motor driving two stainless steel cables. The guard door is counter weighted with the weights hidden inside the vertical columns, this ensures protection of the weights and allows for nylon guides to be fitted, ensuring friction free movement.



Each of our Tub Tilters is designed to individual customer requirements. We offer a bespoke design service to ensure any customer specification is met and completed to the highest of standards. Please contact us with your specific requirements for a detailed proposal.



MODEL	Tub Elevating and Tipping Unit
LIFTING CAPACITY	0 ~ 3000 kg
LIFTING HEIGHT	1 ~ 6 metres
TIPPING ANGLE	135°
TUB WIDTH	To suit customer requirements
LOCATION TYPE	Forks / Side Lugs / Captive Carriage
POWER	0.75 ~ 3.0 kW
ANTI DROP MECHANISM	Fitted as standard
GUARDING OPTIONS	Mesh / Perforated / Rod
LIFTING MECHANISM	Mild Steel Chain / Stainless Steel Cable

