



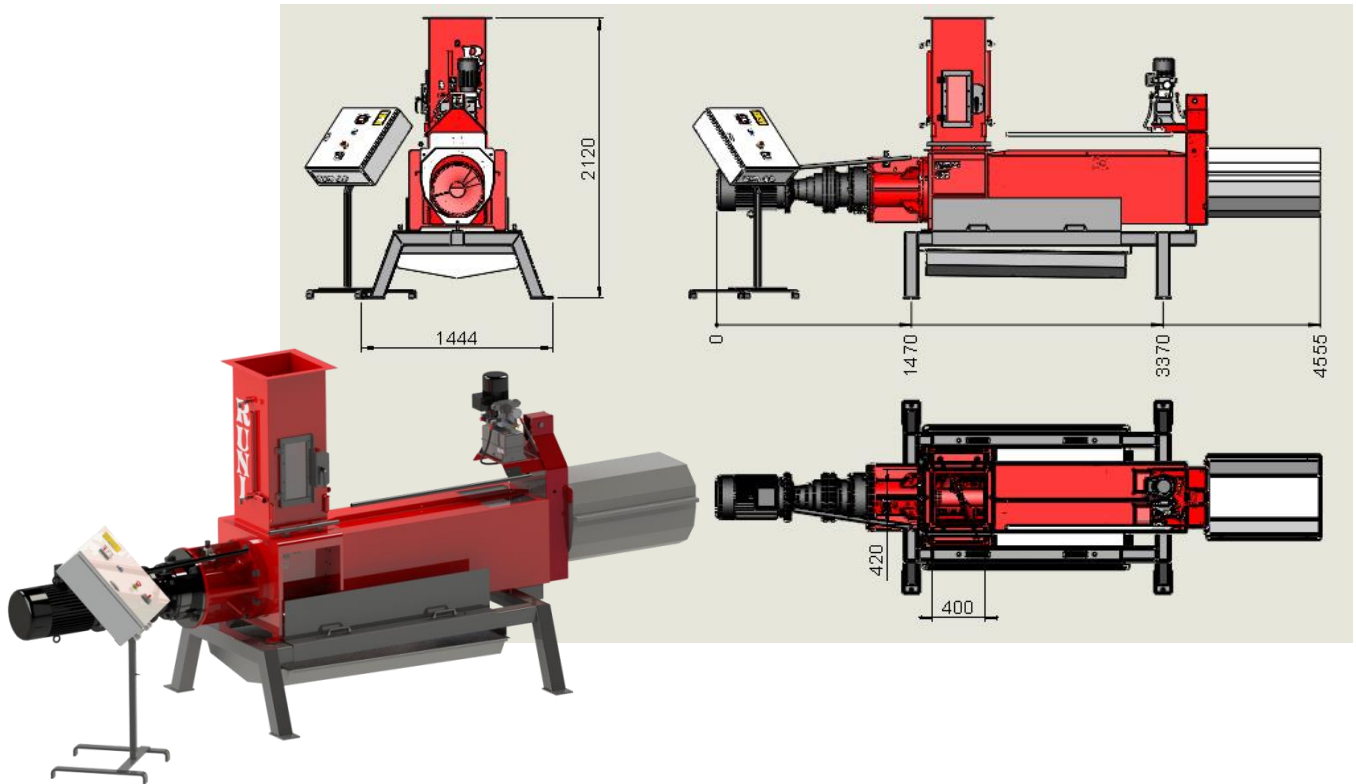
Dewatering reject from foodwaste to biogas plant

Technical data specification SK370



Dimensional drawing

Subject to technical modifications.



Technical data	Europe	USA
Material	Reject from refining food waste	Reject from refining food waste
Achieved dry matter percent *)	50 – 65 %	50 – 65 %
Capacity per hour *)	2000 kg – 5000 kg	4400 lbs – 11000 lbs
Daily capacity *)	48 tonnes – 120 tonnes	48 ton – 120 ton
Feed opening dimension (standard)	400 x 420 mm	15 x 17 inch
Weight	1500 kg	3300 lbs
Machine dimension (LxBxH) (standard)	4555 x 1444 x 2120 mm	180 x 57 x 85 inch
Motor power	Main motor: 15 kW Hydraulic pump: 0,55 kW Oil cooling for gear: 0,07 kW Oil cooling for hydraulic: 0,07 kW Circulation pump: 0,25 kW Force Feeder: 0,55 kW	Main motor: 24 hp (18 kW) Hydraulic pump: 0,9 hp (0,66 kW) Oil cooling for gear: 0,17 hp (0,13 kW) Oil cooling for hydraulic: 0,17 hp (0,13 kW) Circulation pump: 0,38 hp (0,29 kW) Force Feeder: 0,9 hp (0,66 kW)
Power supply	3 x 400V, 50Hz, 63A	3 x 230V, 60 Hz, 80A 3 x 480V, 60 Hz, 63A
Marking	CE approved	CE-approved, UL(only components)

*) Depending on material.



Dewatering reject from food waste to biogas plant

Description

RUNI SK370 screw compactor efficiently separates food content and liquid from its packaging in a continuous process leaving the reject dry enough to send it to incineration or recycling instead of sending it to landfill at much higher cost. The conditions at plants for biomass production of food waste are very demanding. The plants are working 24/ all year round. In the waste material there are often some abrasive elements like sand and other unexpected "surprises". In some cases, we have seen very large pieces of metal, which the RUNI have been able to handle. Therefore, great demands are required of the machine and RUNI can do it.



Halving the weight



Function

RUNI SK370 screw compactor has for many years proved to be a strong reliably built machine there with reinforced screw and construction can work 24/7 with a throughput of 2000-5000 kg per hour. The screw separates the liquid from the solid packaging. It is a very energy efficient way to drain the wet material. The liquid runs through a suitable hole matrix. Automatic start and stop and not least the automatic hydraulic jaws and force feeder ensures maximal operation even at variable material flow.



Benefits

- Dewatering reject with low energy cost.
- Hole matrix in stainless steel (AISI316).
- Safe and easy operation with automatic start and stop.

Option

- 2 machines at the same console.
- Cooling of gear and hydraulic
- Force feeder
- Remote control