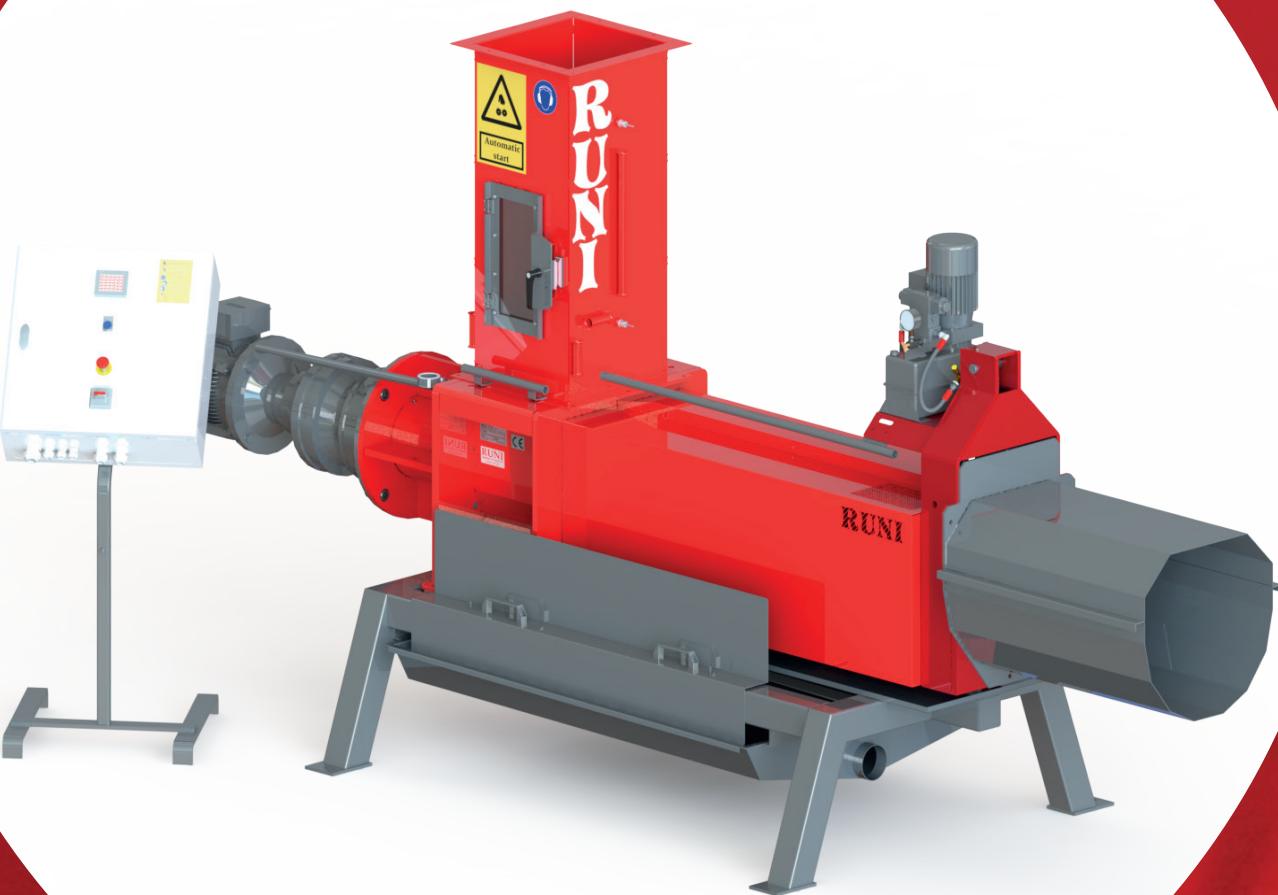


INCREASE BIOPULP REDUCE WEIGHT



TURN WASTE TO VALUE



RUNI

Dewatering reject from food waste

When refining the organic part of household waste the plastic reject and other non-organic materials will contain a lot of moisture. The RUNI screw compactor can efficiently dewater the reject leaving it with 50-65 % dry matter*.



Due to RUNI's strength and design, the RUNI extracts extra biopulp from the waste, which ensures a minimization of costs for transportation and incineration as well as a maximization of the output of biopulp.



Reduce the weight of the reject by up to 55 %

Anaerobic digestion plants work 24/7 and the waste often contains abrasive elements like sand, pieces of metal etc. This places great demand on the machines working there. For many years the RUNI SK370 has proven to be a strong and reliable machine working 24/7 with a throughput of 2000-5000 kg per hour. For plants with only an occasional need for dewatering reject we have developed the smaller SK240. Both machines drain the wet material very energy efficiently.

RUNI can customize the machine to the individual production line to ensure optimal fit. RUNI also provides special conveyor screws that enables the machine to handle tetra-pak, cans, PET-bottles and various food containers directly, so these products can bypass the de-packer.

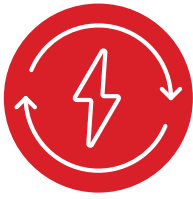
*depending on mix of material



TURN WASTE TO VALUE



Benefits



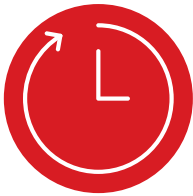
Energy efficient drying of reject



Safe and easy operation with automatic start and stop



Specially developed drying techniques through many years of experience



Hard metal on screw and matrix in stainless steel (AISI316) ensures long lifetime



Remote access (via SIM-card) ensures easy trouble shooting and assistance from the factory



Fast delivery of spare parts

Options

Customized solutions

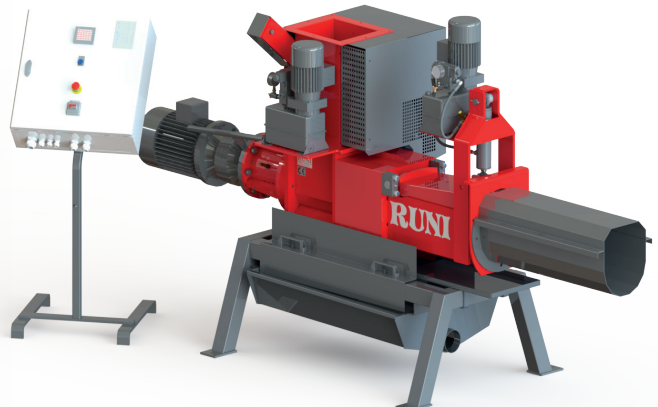
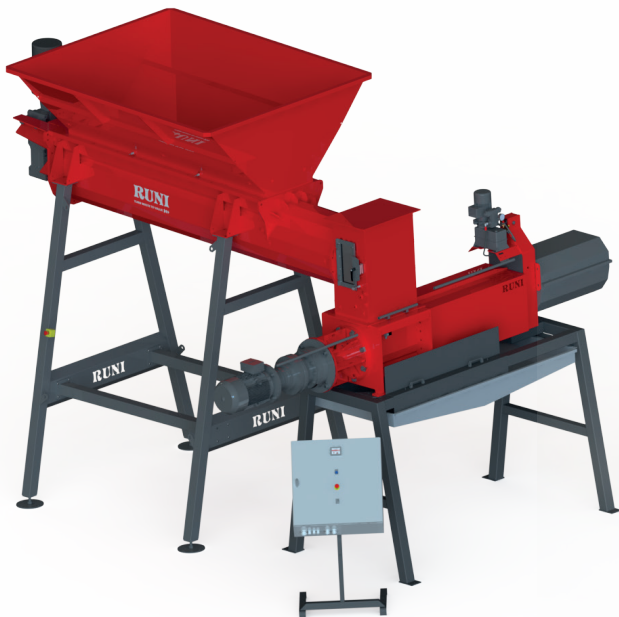
RUNI's modular machine architecture allows customized solutions to ensure perfect fit for the individual processing line.

Special screw

We offer a specially developed screw for reject with high level of organic food waste to ensure better dewatering.

Force feeder

If the material is very wet or has very little structure, the optional force feeder will improve the dewatering.





Technical data	SK240	SK370
Material	Reject from refining food waste	Reject from refining food waste
Achieved dry matter percent*)	50-65%	50-65%
Capacity per hour *)	500-1000 kg	2000-5000 kg
Daily capacity *)	2500 kg	48 tonnes - 120 tonnes
Feed-opening dimension inlet (standard)	300 x 260 mm	400 x 420 mm
Weight	1000 kg	1500 kg
Machine dimension (LxWxH) (standard)	4439 x 640 x 1898 mm	4555 x 1444 x 2120 mm
Motor power	Main motor: 5,50 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 Optional force feeder: 0,55 kW	Main motor: 15,00 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 Optional force feeder: 0,55 kW
Power supply	3 x 400V, 50 Hz, 32A	3 x 400V, 50 Hz, 63A
Marking	CE-approved	CE-approved

*)depending on mix of material

**Extract
extra
biopulp to the
digester**



**Reduce
the volume
of the reject up
to a factor 3**

OPTIMIZING BIOGAS PRODUCTION

HAITH RECYCLING, GREAT BRITAIN

Food waste is very suitable for anaerobic digestion plants. By separating as much of the organic liquid from the packaging, more feed stock is created for the plant and the weight of the packaging is reduced. The packaging normally goes to landfill or incineration.

Haith Recycling searched the market before they decided for a RUNI screw compactor. They found cheaper technology but after a test they found that RUNI's SK370 was a better machine able to drain out more organic liquid and reduce the weight of the packaging waste significantly.



"The machines are robustly built with very little go wrong, very simple control system with auto reverse and auto compression which can be adjusted very simply. I would recommend RUNI to anyone with a de-watering issue and we will continue to install the RUNI in our AD waste food hall de-packaging plants"

Watch a
video from
Haith here:



RUNI – DANISH ENGINEERING

When working with RUNI you will meet a team with many years of know-how. We seek to create the best energy-efficient and long-term solution, that will make a real difference for your business and the environment.

At RUNI we think long-term, not least when it comes to our relations with our customers. Many RUNI-customers have machines that are 10-15 years old and still running well. Of course, they need maintenance and the occasional spare part, but here we also strive to always offer fast and competent help – also many years after the delivery and installation of the machine.

RUNI's screw compactors support UN's sustainable development goals and make a positive difference, that promotes sustainability and the circular economy.



Your local distributor:

runi@runi.dk • +45 97 37 17 99 • www.runi.dk

TURN WASTE TO VALUE

