

MAGURIT

Gefrierschneider GmbH



Drumcut® 329

Roller conveyor in stainless steel

Lifter with shaking mechanism



Bag-squeezing machine

Crusher unit with a diameter of 800 mm

Discharge of the product via a Mohno-pump



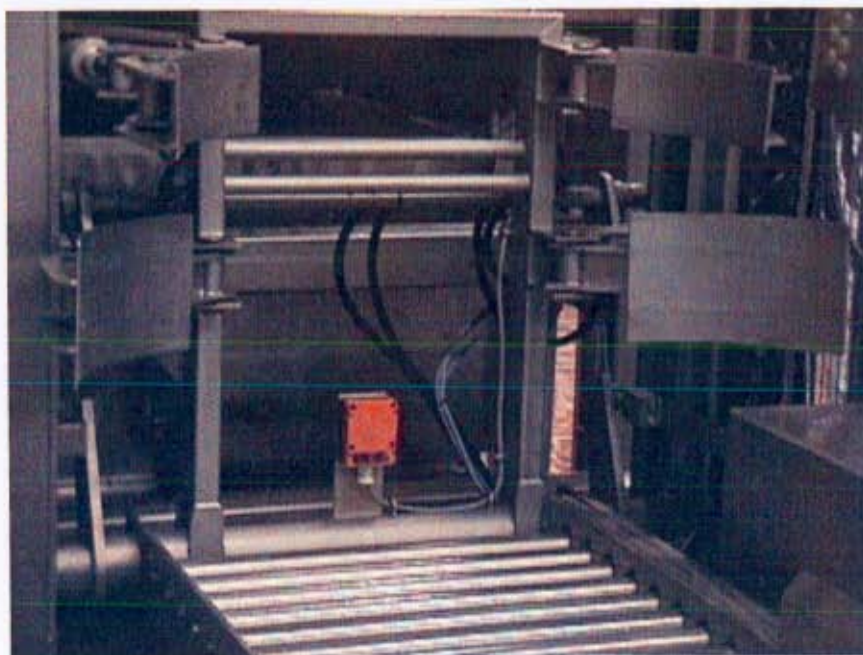
► **Conveyor system**



By forklifter or any other system the full barrels will be set onto the automatically driven belt conveyor (right side). Light sensors control the seperate sections of the conveyor, so that each barrel is moved seperatly. Therewith it is guaranteed that the barrels do not bang together and that no raw material will overflow. After lifting and dumping of the product the barrel is released and the automated sluiceway will transport the empty barrel onto the decline-roller-conveyor. There the barrel can manually be removed.



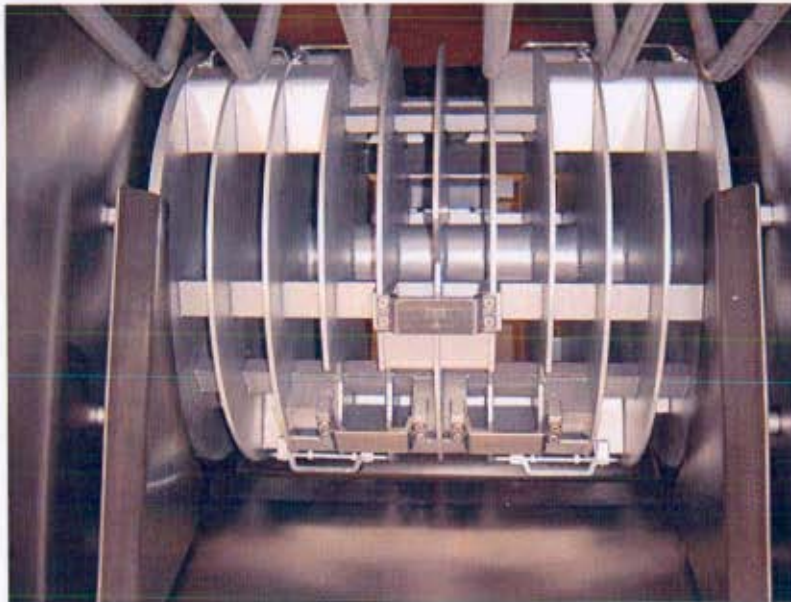
Lifting and dumping



An important element for the drum handling is the lifting and dumping device, and here especially the element for fixing the drum during the lifting and dumping operation. The lower clamping lever pair is hydraulically driven and fixes the drum during the whole process of lifting, dumping and lowering of the barrel. Only in the lowest position these levers can be opened, for safety. Furthermore the last segment of the roller conveyor is attached to the lifter-dumper and is therefore lifted with the barrel to ensure a safe handling of the barrel. The upper pair of levers is pneumatically driven and holds the poly-bag, that is tilt over the barrel while dumping the product. After the frozen core of material has been dumped into the crusher the operator can open these levers and manually feed the bag into the bag-squeezing machine, which is installed in front of his working area.



▶ **Cutting drum**



The heart of the machine, the cutting drum: Almost vertical the raw material after emptying from the barrel falls onto the rotating drum and is cut in to pieces required by the customer. MAGURIT offers a range of cutting thicknesses, from 3, 6, 9, 14, 17 or 20 mm. Completely made from stainless steel and wide open cleaning is very easy. Above the cutting chamber the bag-squeezing machine is installed, below is the hopper and the Mohno-pump.



► **Bag squeezing unit**



After emptying the barrel into the crusher or hopper (in case of liquid product) approx. 10 % of the product remain in the poly-bag. This expensive raw material needs to be squeezed out of the bag. To counter-rotating squeezing drums (squeezing pressure is adjustable) tear the back into the machine and ensure that the raw material falls into the crusher or hopper underneath. The drums are equipped with two reversible geared motors to take out the bag again on the front side.

Furthermore the machine is equipped with spray nozzles, so that cleaning is very easy.



Drawing

