Separation attachment 801
with automatic separation device

Increase product reliability to your standards by grinding, separating and portioning large quantities of meat for production.

With its new separation attachment 801, VEMAG is introducing an innovative further development in integrated grinding and separation technology. You can use separation attachment 801 to grind your raw materials and use the integrated separation device simultaneously to separate out particles of bone, rind, sinew or other hard constituents like foreign bodies. By separating out rind and sinew, you increase the value of production meat significantly right back at the grinding stage – at a throughput of up to 8.7 tonnes an hour. The portioning device of the ROBOT HP-series vacuum fillers ensures that raw material is portioned as it is ground and separated; subsequent weighing operations can be dispensed with.

Separation attachment 801 has a hole plate diameter of 220 mm. Like all the components in the VEMAG grinding system, it is designed as an attachment for vacuum fillers with a double screw. It has no drive of its own, the blade shaft being driven directly by the double screws of the machine. Existing lines can be upgraded at any time, as the separation attachment is simple to attach to separation grinder 982 using a union nut.

Use

The separation attachment provides a whole range of potential applications:

- Making production meat: Separating out particles of bone, rind and sinew during grinding.
- Follow-up treatment of poultry containing bone: Reliable separation of particles of bone guarantees a safe raw material.
- Reproducible separation and portioning: The portioning computer guarantees a constant yield and reproducible separating result.
- PC-aided yield control.
- Suitable for all raw materials (meat, fish, fruit, vegetables).

The low pressure within the grinder ensures that the product is handled gently. The separation device guarantees that all undesired constituents are separated out effectively and improves potential yields. In contrast to traditional methods such as rind separation using rind removing machines or soft separation, the separation process using separation attachment 801 saves a complete working step. The reliable separating off of undesired constituents results in high-quality raw materials which can be processed further in the fresh state at once. The fine structure of grown connective tissue is retained in all cases. Splinters of bone cannot penetrate the hole plate, so the raw material is safe to use. The separation attachment can be operated in conjunction with an automatic separation valve controlled by the filling machine’s portioning computer. This makes the separation process independent of manual intervention by the operator, considerably improving standardisation and reproducibility. As all the settings are stored in the portioning computer and the programs can be called up at any time, the user can rapidly implement changes in raw material.

Handling

Separation attachment 801 can be adapted to the application in question in just a few manoeuvres. To switch in the separation function, simply attach the separation valve to the relevant opening on the separation plate. Once the separation data have been entered on the portioning computer or the relevant program has been called up, it is possible to start production immediately.
Technical data

Hole plate diameter: 220 mm
Can be combined with filling machines: ROBOT HP-series
Grinding rate: up to 8.7 tonnes per hour (depending on product)
Blade set configuration: 3-part (pre-breaker, separation blade, separation plate)
Life of blades: depends on product, application and care of blade set
Automatic separation device: automatic separation valve for the PC-aided control of yields

Top-class quality with advanced technology:

The separation device frees the naturally-occurring raw material, which contains large quantities of bone particles and sinew, of undesired product constituents to your specification. The result is a product of considerably higher quality which can be processed further at once in the fresh state, as it has retained the fine structure of grown connective tissue.