

## EXTRUDERS - FE 100, FE 250



FE 100

Extruders FE 100, FE 250 are offered in numerous modifications, so that they can be optimized for specific need of every farmer or feed producer. The extruders – due to their modular design and wide range of accessories – fully satisfy even the most demanding requirements.

In this line you will find both the basic versions, suitable for extrusion of soybeans, legumes or oilseeds, and versions designated for extrusion of compound fodder, such as for fish, pets or for livestock, which besides of dosing of water into the extruders chambers enable additional fattening by dosing of oil into the working chamber of the extruder.

### CHOOSE THE RIGHT VERSION OF THE FE 100 OR FE 250 EXTRUDER:

#### FE 100, FE 250 - DSO

This version is designated for extrusion of soybeans. The product is extruded full-fat soya. From the available options, we recommend to choose: soybean crushing at the entry, water injection for process stabilization and extrudate cooling. Control system: CLASSIC, CLEVER

#### FE 100, FE 250 - DSC

This version is designated particularly for extrusion of sunflower pressing cake. The product is extrudate with increased content of rumen-protected protein. From the available options, we recommend to choose: pressing cake crushing and conditioning before the extruder, extrudate cooling. Control system: CLEVER.

#### FE 100, FE 250 - DMC

This version is designated for extrusion of pressing cake and oilseed meal. The product is extrudate with increased content of rumen-protected protein. From the available options, we recommend to choose: pressing cake crushing and conditioning before the extruder, extrudate cooling. Control system: CLEVER.

#### FE 100 - WCE

This version is designated for processing of cereals and some legumes. In the course of extrusion, starch gelatinization and protein denaturation (cooling) take place, making the extrudate better digestible. From the available options, we recommend to choose: crushing and conditioning before the extruder, extrudate cooling at the output and extrudate crushing for increasing its density. Control system: CLEVER

#### FE 100 - WFM

This version is designated for extrusion of compound fodder for livestock, pets and fish. The extruder enables to process a wide range of raw materials. By setting of extrusion parameters it is possible to obtain various shapes and features of extrudate (i.e. floating or sinking fish feed). From the available options, we recommend to choose: conditioning before the extruder. At the output, we recommend to equip the technology with extrudate drying and cooling. Control system: CLEVER MAX.

#### THREE VARIANTS OF THE CONTROL SYSTEM:

- **CLASSIC** - includes basic level of controls and protections, fully based on manual controlling and supervision by the operator.
- **CLEVER** - includes advanced level of control, based on industrial controller (PCL) with a touch screen. The intelligent system of extruder control evaluates data from the extrusion process and optimizes dosing of material and water into the extruder.
- **CLEVER MAX** - consists of the version "CLEVER" supplemented with a frequency converter for main drive RPM regulation. That brings completely new possibilities of the extrusion process optimization, automatic reactions of the system and drive protection. The intelligent system of extruder control evaluates data from the extrusion process and optimizes dosing of material and water into the extruder, as well as RPMs of the main drive.

PARAMETERS	FE 100	FE 250
Throughput [kg/hr]	90 - 130*	200 - 235*
Input [kW]	15	22
Length [mm]	1940	2311
Width [mm]	1025	1279
Height [mm]	1780	1762
Weight [kg]	600	800

\* Value for information only – throughput depends on the type and parameters of the processed material. Parameters length, width, height, weight of the machines are shown in their maximal possible value.



FE 250

