

The PEARLER DOO is utilized to process barley for production of peeled barley of all sizes and for peeling of peas. It can also be used to process other types of cereals, such as wheat, rye, rice and sorgo.

The peeling-hulling machine PEARLER DOO is a machine working on the principle of dry abrasion of surface husk layers of grain.



The machine cannot be used independently; it is component part of a technology line. Utilization for other materials must be consulted with the manufacturer and must be specified in purchase contract.

a typical installation with connected elevator leg

The PEARLER DOO is produced in one size.

in Standard Mode, it is delivered in

- basic execution II (2) mode
- with jacket (screen) mesh size  $\neq 1,2 \times 20$  (wheat, barley etc.)
- or with jacket (screen) mesh size  $\emptyset 3$  (peas).
- Other execution possibilities, i.e., mutual position of inlet, outlet and exhaust socket by  $90^\circ$ , are possible

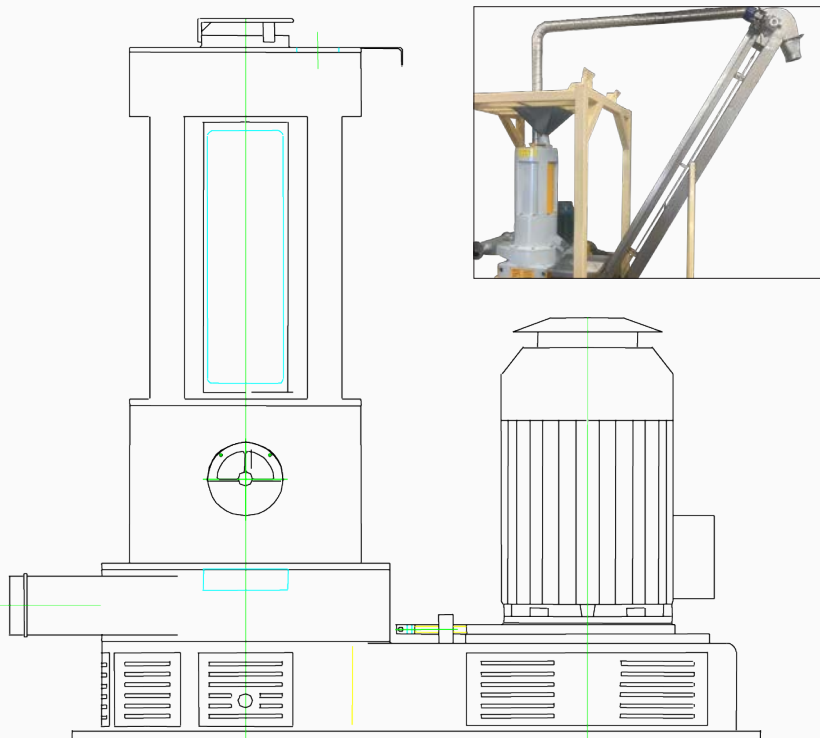
According to the type of grain processed, PEARLER DOO is equipped with the following set of grinding wheels:

- No 1 – set of grinding wheels for wheat, rye, rice
- No 2 – set of grinding wheels for barley, peas, sorgo
- No 1 – without grinding wheels

The effectiveness of dehulling process can be monitored by means of the sight glass. The product, which leaves the machine through the outlet stub pipe, is blown with the air jet for the purpose of separate light bran particles from the product.

The PEARLER DOO machine consists of the following main parts:

- a) Basic frame with covered holes
- b) Electro motor with tightening plate and pulley
- c) Fan box with lower bearing and exhaust air branch
- d) Outlet socket box, controller and venting hole
- e) Working roll (chamber) with screen and inlet inclined wall
- f) Machine head with hollow shaft guard and bearing
- g) Hollow shaft with grinding wheels, aspiration rings, pulley and fan impeller



### MAIN TECHNICAL PARAMETERS - DEHULLER D00

Description	Unit	Value
Asynchronous three-phase motor, short, form IM 3011, 1460 rpm RATED CURRENT AT 400 V	kW	22
Vertical shaft revolutions	min <sup>-1</sup>	2053 *
Amount of air aspirated by fan	m <sup>3</sup> .min <sup>-1</sup>	15-25
Pressure loss	Pa	147-196
Max. machine capacity at husking of barley for production of peel barley at first run	t.h-1	2,5 **
Dynamic factor $\mu$	-	1,5
Frequency	Hz	34,2
Noise level	dB (A)	80
Weight	kg.	1060

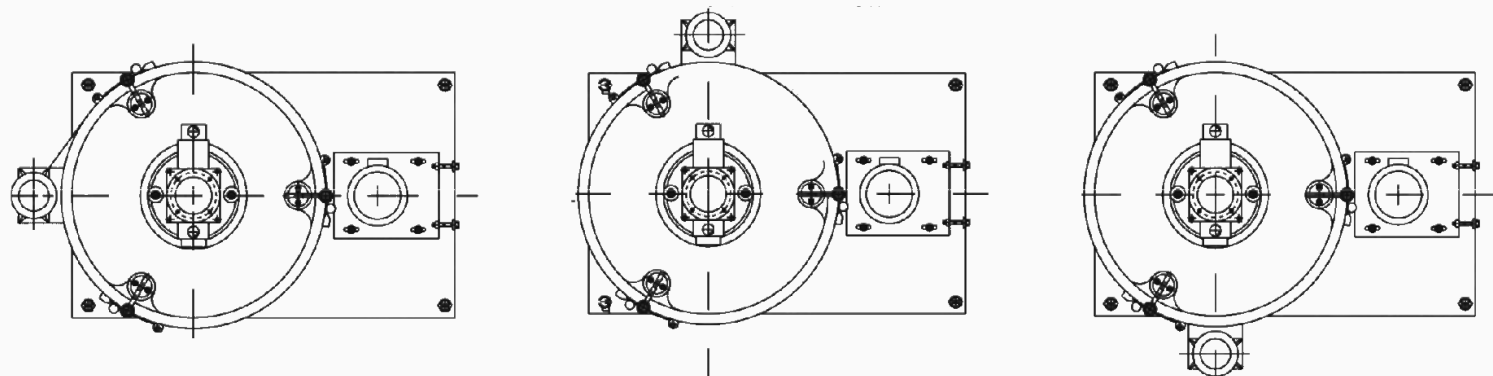
\*\* Capacity of the machine specified while using grinding wheels CARBORUNDUM C 48, grain size F 20 P

### MAIN TECHNOLOGICAL PARAMETERS OF DEHULLER D00 3 (INFORMATIVE VALUES)

Peeling	Capacity t.h <sup>-1</sup>
Standard peeling of cereals	1,6 to 1,8
High powered peeling of cereals	0,8 to 1,2
Husking of peas	1,5 to 1,7
Peeling of barley for production of peeled barley processing in the first run	1,4 to 2,5



### VERSIONS OF ARRANGEMENT OF OUTLET WITH ASPIRATION STUB PIPE:



When ordering the bottom polar dehuller please specify the name and type, application, type of grain dehulled, grain fraction, outlet location (basic, right-hand, left-hand).