

















Euro Prima was established 2001 with headquarter in Serbia. Our production is based on the machines for medicinal herbs and spices processing. Euro Prima's produces a comprehensive range of the machines which cover almost all phases of medicinal herbs and spices production, starting from the harvesting and mowing to the production of high quality final products, whether it is a flower, leaf or root.

High quality machines developed by our engineers, unique technology in herbs processing and focus on solving numerous specific problems that are now placed in front of the producers of the medicinal herbs and spices, classified us as one of the best world producers of the machines from this area.

Long-term presence on the market in over 70 countries of the world has provided us great experience with different herb species, and with the specificities of these herb species which are grown on different continents.

Our philosophy is high quality machines, based on new technologies and on our researches of needs of the agricultural producers and buyer of medicinal herbs and spices.

The herbs production phases for which our company offers a set of efficient and highly innovative machines are as follows:

- harvesting and mowing
- processing of fresh herbs
- drying
- processing of dry herbs

The finishing processes can be different for some herbs. If one considers that it is usual that producers have a production of many different herb species, they are required to have a range of different machines. In order to increase the efficiency and the profit of the producers, it is important to combine that kind of machines which can be used for wide range of herb species.

Our company has developed very practical solutions based on multifunctional machines that can be used, with certain adapters or just with simple adjustments, for different herbs species.

Now our users are from everywhere in the world: Albania, Australia, Australia, Belorussia, Bosnia and Herzegovina, Brazil, Bulgaria, Canada, Chile, Croatia, Cyprus, Czech, Egypt, Finland, France, Germany, Greece, Hungary, Italy, Kazakhstan, Korea, Latvia, Lithuania, Mexico, Montenegro, Paraguay, Poland, Portugal, Romania, Russia, Serbia, Slovakia, Slovenia, South Africa, Spain, Sudan, Syria, The Netherlands, Tunis, Turkey, Ukraine, US, etc.



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# Harvester NB 2005 V



The machine **NB 2005 V** belong to a group of carried machines for picking and mowing. It is equipped with devices that feed harvested and mowed herbs into the loading basket, which is an integral part of the machine. The machine can be ordered with 2 different adapters which allow you to use the same machine for chamomile harvesting, herbs mowing. A variety of herbs can be mowed and harvested with this machine, which makes it different by its functionality in comparison to other machines, which can be found on the market. The following characteristics make this machine profitable: high grade of functionality, low price, good operational characteristics, high efficiency, and high quality production. High quality materials, coated with zinc, stainless steel-INOX and painted sheet plates, simple construction and easy maintenance are the guarantee for long duration.









**NB 2005 V** is attached to the tractor and carried by tractor's hydraulic bars. It has its belt conveyor and a hopper. The hopper is unloaded by hydro-cy linders. Harvesting height can be adjusted by the tractor's mechanism. It also has hydraulic unit for angle adjustment helpful in the cases when the field is not flat. It is ideal for the fields where maneuvering is difficult. One person who is driving a tractor can handle this machine. The machine does not destroy the field (ground), since it is carried and only the wheels of the tractor lay on the field.

Harvester-mower **NB 2005 V** can easily be transformed from operational into transportation form. In transportation form it is pulled by tractor. This additionally increases its efficiency when it is necessary to work on distant fields in the same day.

With adapters for chamomile harvesting and because of the possibility of continual height regulation and adjustable angle of the machine adapting to the terrain, the chamomile flower is harvested with great precision and high quality.

The adapter for mowing herbs consists of double cut scythe, giving a clean cut, without smashing the stems, which is important for the herbs that require several harvests per year. Beside the scythe, the machine is equipped with devices that load the harvested herbs on the transporting conveyor and the mechanism that prevents the conveyor from blocking and improves transporting of herbs to the feeding box.

#### **Chamomile harvesting**

The machine provides best results in harvesting chamomile flowers with the height ranging between 20 cm and 70 cm, and when the chamomile makes full constitution in which the flowers are concentrated in the upper part of the stem in the range up to 15 cm. Chamomile should also be sown, not planted from hotbed, since the one cultivated from hotbed is straggling and has flowers all over the stem, not just in the upper part. It is very important for the machine not to be put below the area in which the flowers are concentrated. The machine should be kept in the upper area where the flowers are concentrated in order to harvest the only the flowers; if lowered to the ground, the machine harvests the stems, too.

Best results that can be achieved in ideal conditions are the following: 80% flowers without stems and 20% flowers with stems longer than 10 cm. If chamomile is of poorer quality (straggling, laid down, too high, uneven, flowers scattered all over the stem or in the area larger than 15 cm), harvesting results are poorer.



# Chamomile harvesting















Adapter for mowing is ideal for mint, oregano, melissa, parsley, spinach, plantago, etc. The mower performs double cut, so the stalk is cut precisely without crushing.





### Machine in transportation mode



# Hydraulic unit for adjusting of picking angle





All parts under abrasion are zinc protected



# Technical specifications NB 2005 V:

Approximate Weight	1150 kg to 1350 kg with empty hopper
Tractor	II Category min 60 kW
Hitch	three-point
Regulation of mowing-harvesting level	Continual by tractor's lifting hydraulic bars
Regulation of mowing-harvesting angle	Continual by hydraulic cylinder in a range of +/- 15 degrees
Conveying belt	PVC width 500 mm
Working width	1.45m, 1.6m or 1.8m
Mowing device	With double cut scythe
Working speed	2 – 5 km/h
Transportation speed	10 km/h
Basic frame material	Steel painted
Sheets	Stainless steel - Inox
Transmission mechanism material	zinc protected
Hopper volume	2 m <sup>3</sup>
Height of the hopper unloading point	2000mm / 2400mm
Hopper unloading	Hydraulic
Approximate time for transformation from	15 min
the operational into transportation function	
The working element driving	Through the tractor pto-drive shaft with
	six grooves 34,9 mm diameter, 540 o/min
Capacity in mowing	2000 kg/h 1 hectare / 4 hours
Capacity in picking	1 hectare / 3 hours



# Harvester-mower NB 2006 E/P







# Chamomile harvesting









The machine has simple construction and is easy to operate.

The machine can be ordered with different adapters which are easily changed depending on herb species you are harvesting.

This makes the machine NB 2006 a universal, economical solution which you can use throughout the whole year for different cultivations, for harvesting, picking or mowing different species.

The machine is carried and can be used with many models of II category tractors.

### Adapter for harvesting is ideal for chamomile flowers

The adapter does not use the blades but special working element for picking the flowers without cutting them. The machine provides best results in harvesting chamomile flowers which height ranges between 20 cm and 70 cm, when the chamomile is dense and the flowers are concentrated in the upper part of the stem in the 15 cm top zone. Chamomile should also be sown, not planted.

The best results that can be achieved in ideal fields are the following:

- 80% flowers without stems
- 20% flowers with stems over 10 cm





Adapter for mowing





### Adapter for mowing

Adapter for mowing can be used for wide range of herb species, such as mint, lemon balm, oregano, basil, parsley, etc. It is possible to mow plants of different heights ranging from 15 cm to 70 cm.

Mowing device performs double-cut and it makes clean cuts to the stem, therefore it does not crush it and allows it to regrow.

#### The machine also has two possibilities: working mode E and working mode P.

The marks E and P are related to storage of harvested material in the trailer. The same machine has the possibility of the material going either in a trailer pulled by the same tractor to which the machine is connected (E) or by another tractor which moves paralelly with the tractor carrying the machine (P). Depending on the structure of fields and the concept of user's production the user can choose whether to use the machine in E or P mode. The standard machine is delivered with both options.



**Double-cut mowing device** 

**In mode P**, harvested material is transported in the trailer which is pulled by another tractor which goes paralelly with the tractor which is carrying the machine.

Harvesting-mowing and transportation process is fully automated. NB 2006 is equipped with belt conveyors, which transport the harvested-mowed material into the trailer. Full trailer is driven to drying facility while another tractor comes with an empty trailer. This way harvesting-mowing process is continuous, with no interruptions and no need for additional manipulation of the material.







The machine in working mode P





**In mode E**, harvested material is transported in the trailer which is pulled by the same tractor which carries the machine. With this solution, the user needs less mechanisation, however, they need more labour for distributing the material in the trailer and more time for connecting and disconnecting the trailer. The capacity is therefore a bit lower compared to mode P.







# Position for transport

The machine in position for transportation on roads. It has its own signalization and it can be transported on public roads.











# Technical specifications NB 2006 E/P:

Approximate Weight	1500 kg
Tractor	II category, minimal power 75kW for operating
	in P mode and 90kW for operating in E mode
Hitch	three-point
Mowing leveling	Continual by tractor's hydraulic system
Regulation of mowing angle	Continual by hydraulic cylinder in a range of 15 degrees
Conveying belt	PVC
Working width	1.6m, 1.8m, 2m
Mowing device	With double cut scythe
Working speed	2 - 5 km/h
Transporting speed	10 km/h
Trailer	from 1 to 5 tons with two axles
Basic frame material	Steel painted
Sheets	Inox
Transportation mechanism material	zinc protected
Approximate time for transformation from	15 min
the operational into transportation function	
The working element driving	Through the tractor pto-drive shaft with
	six grooves 34,9mm diameter 540 o/min
Capacity in mowing	1 hectare / 3 hours
Capacity in picking	1 hectare / 2,5 hours



# **Chamomile harvester VB 2002**

Listening the customers needs and with idea to keep farmers more productive during the harvest we developed Chamomile harvester VB2002.

The harvester has hopper of 2 m<sup>3</sup> volume. Picked chamomile is transported to the hopper by a belt conveyor. Harvester has wheels and belongs to the group of pulled machines. Tractor with engine power more than 40 kW can be used for pulling and driving. From the hopper, picked chamomile is reloaded into the trailer and transported for drying. Hopper has hydraulic cylinders for unloading which reduce time consumption. Tractor's engine working regime is 1500 rpm which represent a regime with maximal rotating couple and minimum fuel consumption.

Working width is 1.8m.

Efficiency is restricted by organization, chamomile quality and tractor operator but average is 4 ha per day. All parts of the machine are easy to maintain.





# Technical specifications VB 2002:

Approximate Weight:	1000-1600 kg
Tractor:	I and II category (minimum 40 kW)
Coupling:	pulled
Regulating the mowing height:	Continually using the hitch of the tractor's hydraulic lifting system
Conveyor belt :	PVC, width 1840 mm
Working width:	1.8 m
Working speed:	2 - 5 km/h
Speed-limit during transport:	10 km/h
Main frame material:	Steel- painted
Transmission mechanism material:	Galvanized steel
Reception box capacity:	2.2 m <sup>3</sup>
The height of box emptying:	2400mm
Emptying the box:	hydraulic







# Harvester VB 2 - 1.4



Listening the customers needs and with idea to make farmers more productive during the harvest we developed harvester VB2-1.4

Harvester has a receiving hopper whose volume is approx. 1,5 m3 and conveyor for transport chamomile to the receiving hopper. Hopper has hydraulic cilindar for unloading which provide time saving. Working width is 1.4m.

Harvester has wheels and belongs to the group of pulled machines. Tractor with engine power more than 40 kW can be used for pulling and driving.

Tractor engine should work in regime of 1500 rpm, which represents the regime with maximum number of rotation and minimal fuel consumption.

Efficiency is restricted by an organisation, herbs quality, and tractor operator but an average is from 2 to 4 haper day.





#### Adapter for chamomile

The machine provides best results in harvesting chamomile flowers with the height ranging between 20 cm and 70 cm, and when the chamomile makes full constitution in which the flowers are concentrated in the upper part of the stem in the range up to 15 cm.

Chamomile should also be sown, not planted from hotbed, since the one cultivated from hotbed is straggling and has flowers all over the stem, not just in the upper part.

It is very important for the machine not to be put below the area in which the flowers are concentrated.





The machine should be kept in the upper area where the flowers are concentrated in order to harvest the only the flowers; if lowered to the ground, the machine harvests the stems, too. Best results that can be achieved in ideal conditions are the following: 80% flowers without stems, 20% flowers with stems longer than 10 cm.

If chamomile is of poorer quality (straggling, laid down, too high, uneven, flowers scattered all over the stem or in the area larger than 15 cm), harvesting results are poorer.

#### Adapter for mowing

Adapter for mowing can be used for wide range of herb species, such as mint, lemon balm, oregano, basil, parsley, etc.

It is possible to mow plants with different height ranging from 15 cm to 80 cm.

Mowing device performs double-cut and it makes clean cut to the stem, therefore it does not crush the plant and allows faster regrow.

All parts under abrasion are zinc protected.



#### Technical specifications VB 2 - 1.4:

Weight	1000-1300 kg
Tractor	II Category
Hitch	Pulled
Regulation of mowing-harvesting level	Continual by tractor's lifting hydraulic bars
Conveying belt	PVC with ribs
Working width	1.4 m
Working speed	2 - 5 km/h
Transportation speed	10 km/h
Basic frame material	Steel painteg
Transmission mechanism material	Zinc protected
Hopper volume	1,5 m3
Height of the hopper unloading point	1650 mm
Hopper unloading	Hydraulic



# Harvester VB 4



The machine **VB 4** is a NEW generation of harvesting-mowing machines.

Belongs to a group of connecting machines and can be used with many models of II category tractors.

Among many innovations and technical solutions we applied, we would point out only some of them such as:

- Working organ of machine is increased to 2,1 m
- Mowed (cut) herbs are collected in receiving hopper whose volume is now 6 m<sup>3</sup>
- The new hydraulic lifting system of receiving hopper during discharge ensures continuous discharge height in the range of 1.2 m to 2.15 m



- Receiving hopper is equipped with a chain conveyor and a system for the distribution of the mass in the hopper and the discharge of the hopper.
- We developed a new mechanism for copying terrain with reinforced wheel, which enables better copying of the field.
- Equipped with adapter for mowing with double cut.
- Hydraulic system for taking the working/transport position
- The axis of the machine has the possibility of control, which enables easier maneuvering in the field
- System with four cameras and two monitors integrated into control panel are being delivered as additional equipment. This system enables visual control of hopper fullness, control of machine reverse movement, and control of the mowed area of the field. Four cameras are placed in such way to provide an excellent overview around the machine which helps the operator to a great extent, while working.



#### Monitoring system

The machine can be ordered with different adapters which are easily changed depending on herb species you are harvesting.

This makes the machine VB 4 an universal, economical solution which can be used throughout the whole year for different cultivation, for picking leaves or mowing different herbs.





### Adapter for mowing

Adapter for mowing can be used for wide range of herb species, such as mint, lemon balm, oregano, basil, parsley, etc. It is possible to mow plants with different height ranging from 15 cm to 100 cm.

Mowing device performs double-cut and it makes clean cut to the stem, therefore it does not crush the plant and allows faster regrow.







Machine has its own signalization and it can be transported on public roads.

# Technical specifications VB 4:

Approximate Weight	2200 kg
Length	8910 mm
Width	2826 mm
Height	2525 mm
Tractor	II category, minimal power 60 kW
Hitch	three-point
Mowing leveling	Continual by hydraulic system
Conveying belt	PVC
Working width	2.1 m
Mowing device	With double cut scythe
Working speed	2-5 km/h
Transporting speed	10 km/h
Box	6 m <sup>3</sup>
Basic frame material	Steel painted
Sheets	Inox
Transportation mechanism material	zinc protected
The working element driving	Through the tractor pto-drive shaft with six
	grooves 34,9 mm diameter 540 o/min



# The machine for cutting herbs S 200 / S 350 W



#### A wide range of fractions:

Due to precise knives and eficient system of feeding herbs into the cutting zone, and very flexibile managing of the speed of input belt conveyors and rotating speed of knife, it is possible to choose desirable dimension of cutting which is in range from few mimimeters to 10 cm.

The machine has two belt conveyors positioned one above the other. The upper conveyor is movable and positioned inclined. It is used to input the herbs into the zone of cutting. The upper conveyor is also used to compress the herbs and keep it compressed during cutting. The section for cutting consists of the rotating knife (with two or three cutting arms set) and two counter knives.

#### **Electronic regulation:**

Both conveyors have electronic regulation of speed, by which you regulate the size of cutting herbs.

The regulation of speed is done by frequency regulator.

The adjustment is done by a potentiometer, and you can read the asigned values on a display. As an option, in offer we have PLC control with touch screen, which regulates the work of machine.

Besides, the machine is has the regulation of the rpm of the knife. The regulation is also done by a frequency regulator.











S 200 / S 350 W two different size and capacity











# Technical specifications S 200:

Dimensions	1600mm x 900mm x 1300mm
Approximate weight of the machine	600kg
Knife engine	1.5kW / 380V
Knife engine – frequency regulator	1.5kW
Belt engine	3 x 0.55kW / 380V
Speed regulation - knife	Electronic
Speed regulation - belt	Electronic
Belt width	200 mm sanitary health materials
Capacity:	Up to 1500 kg/h fresh herbs and
	up to 300 kg/h dray herbs
Material:	Black steel, all the parts that come in contact with the herbs are
	made of stainless steel and materials that meet all health standards.
Sound pressure level (by A and C scale)	At measuring points in accordance with the reference standards
	on the workplace, during operation, it is measured:
	LAeq(A) = 70,6dB(A)
	LCeq(C) = 81,48dB(C)
	LCpeak=94,86 dB(A)

# Technical specifications S 350 W:

Dimensions (Length/Width/Height)	3362mm x 1774mm x 1950mm
Approximate weight	800kg
Knife engine	3kW / 380V
Knife engine – frequency regulator	3.7 kW
Belt engine	3 x 0.37kW / 380V
Belt engine – frequency regulator 2x0.65kW	2 x 0.75kW
Speed regulation - knife	Electronic
Speed regulation - belt	Electronic
Belt width	350 mm sanitary healthy materials
Capacity:	Up to 3000 kg/h fresh herbs and
	up to 600 kg/h dray herbs
Material:	Black steel, all the parts that come in contact with the herbs are
	made of stainless steel and materials that meet all health standards.
Sound pressure level (by A and C scale)	At measuring points in accordance with the reference standards
	on the workplace, during operation, it is measured:
	LAeq(A) = 70,6dB(A)
	LCeq(C) = 81,48dB(C)
	LCpeak=94,86 dB(A)



# Drum separator for fresh chamomile flowers BARABAN 4.1



Drum separator is used for chamomile separation after harvesting and before drying. First fraction is chamomile flowers with stems with the length up to 30mm, which is dried in a drying facility. The other fraction is long stems with small quantity of flowers, mixed with weed, which is dried separately or naturally in a shady and drafty storages.

Drum separator is easy for operation. It is quiet, does not produce vibrations and dust. Since the material is separated in two fractions bigger percentage of material can be dried with less energy which reduces the total cost. Also it provides a big percentage of first-class chamomile after the separation.



#### **INPUT IN BARABAN**



# **OUTPUT FROM BARABAN**

1. Good-quality product (chamomile flowers with out stems or with stems shorter than 8 cm)



2. Bad-quality product (chamomile flowers with stems longer than 8 cm)




# Technical specifications BARABAN 4.1:

Length of the drum	4600 mm
Dia. of the drum	1200 mm
Nominal perforation of the drum	22 mm
Engine power	1.5 kW; 0.55 kW
Capacity	Input capacity 1500 kg/h
Length	5300 mm
Height	2510 mm
Width	1640 mm
Weight	1100 kg





# The machine for cutting the stems of picked and dried chamomile flowers OGK 1003-A



The machine has been developed specially for removing the stems of chamomile flower head. The final product is superquality flowers without stems with excellent shape and appearance.

Adjusting the operating distance between drums and knives allows easy adjusting and clean cut. High capacity sieve separates flower heads from stems and pulvis. Processed material falls on a special sieve which separates flower heads from stalks and pulvis.





The machine has pneumatic dispersers used for dispersing chamomile and preventing jams in the cutting space of the machine.

The efficiency that you achieve on this machine extremely depends on the quality of input chamomile in the machine. If you input chamomile with long stems inis the machine, the capacity of the machine is small and requires constant intervention of the operator.

If you input good-quality chamomile in the machine with relatively short stems, the capacity is bigger and the intervention of the operator is not necessary.

OGK 1003-A has possibility adjusting to working tables, belt and spiral conveyers so it is very suitable for line production.

Machine is mounted onto the wheels allowing easy mowing and forming of production lines.

All covers are equipped with safety locks for maximum safety in operation.











# Technical specifications OGK 1003-A:

Dimensions (Length/Width/Height)	1580mm x 2035mm x 2405mm
Approximate weight	970 kg
Engine type	1.1 kW / 380V
Number of sieves	1
Number of knifes	2
Performance	40-100kg/h depending on input material
Material	Steel
Sound pressure level (by A and C scale)	At measuring points in accordance with reference standards on the working spot, during the machine operation, it is measured: Leq A (dB) 68.5 Leq C (dB) 74.5







# Threshing and crushing machine REBLER LGU 151 P-L



REBLER LGU 151 P-L machine is intended for removing leaves from stems of different herb species such as mint, melissa, rosemary, oregano, thyme, etc. Whole dry plants are input in the machine.

REBLER LGU 151 P-L was designed as a response to needs of small-scale and middle-scale producers of aromatic and medicinal herbs as well as the producers who occasionally use a technological process of removing leaves from stems, and whose demands are related to smaller dimensions of the machine. However, the machine has good capacity.

The machine has a compact construction. It does not require a large space for storing and handling. While making the design for the machine, we took into account ergonomic features for easy handling of the machine.





### Start phase:

A small belt conveyor, intended for inletting herbs into the threshing space, is integrated in the machine.

The material is input manually, so one operator is needed to handle the machine by inputting the herbs on the integrated belt conveyor. The height of the input belt conveyor is 1,4 m.









## Sieving phase:

The machine also has a sieve which selects herbs that are to be processed. After the leaves are removed from the stems, the material falls on the sieve where the stems are separated from the leaves. The stems go above the sieve, while the leaves fall below the sieve.

The machine has one sieve. Its perforation depends on herb species which is being processed. The sieve is changeable. You can order a set of spare sieves, and change them according to herb species.



Beside its main function (removing the leaves from the stems) it can also be used as a vibrating selector. For this purpose, there is a fixed hopper above the sieves where you input leaves or seeds you want to select.

### Easy and comfortable :

While designing REBLER LGU 151 P-L, special attention was paid to finding the best solution for quick and simple opening of the machine for cleaning and easy servicing, while the safety of the operator remained on the highest level.















#### Technical specifications REBLER LGU 151 P-L:

Material:	Regular Steel. All parts that come in contact with herbs are made of stainless steel INOX and sanitary healthy materials.
Dimension (WxLxH):	~800 kg
Approximate weight:	1700 mm x 4600 mm x 2100 mm
Engine type:	2 x 1,1 kW; 2 x 0,55 kW; 1 x 0,37 kW
Number of sieves:	1
Perforation of the sieve:	According to customer's needs
Dimension of the sieve (WxL)	700 mm x 2500 mm
Integrated belt conveyor	
Length	850 mm
Engine power	0,37 kW
Width	590 mm
Material	PVC

#### Safety systems:

The machine is designed in accordance with the EU regulations, in order to provide the maximum safety at work.

Interlock device with guard interlocking allows efficient stopping of the machine, in case of improper opening.

#### **Efficiency:**

The dimensions of the machine are relatively small. However, due to a number of new technical solutions, the machine has remarkable efficiency in operation.



# Threshing and crushing machine REBLER LGU 302 with two and 304 with four sieves

The machine is simple to use, it's highly efficient and beside leaf threshing it partly separates leaves from stems and classifies leaves. It gives excellent processing results (mint, melissa, sage, thyme, oregano, rosemary). The machine has a possibility to work in two different modes, like threshing and crushing machine or like vibration separator. This represent a great advantage because with one machine two processes are covered.

During the processing of fennel,

First three fractions are waste, and

only fraction IV is good material.

### 1. Threshing and crushing mode

In order to use the machine REBLER LGU 304 you will need belt conveyor. The material is loaded by a belt conveyor VARIO 608 into the threshing and crushing part, which removes the leaves from the stems and selects the material in five different fractions.



Use of the machine for threshing and crushing



## 2. Vibration separator

The machine is used like vibration separator when the material is loaded into the first opening on the machine, by simple change of the belt conveyor's angle. The machine has four sieves and enables the classification of the processed material. Changing of sieves is simply and fast.



Use of the machine for separation



# Technical specification LGU 304:

Dimensions (L x W x H)	5100mm x 2000mm x 4150mm
Length sieve	First, second and third sieve are 2800mm,
	and the fourth sieve is 2650mm.
Width sieve	950mm
Number of sieve	4
Approximate weight of machine	~ 1000 kg
Total power of electro motor	2,2 kW
Voltage	380 V
Electronic regulation	2.2 kW
ADAPTER LG 304 for removing leaves from herb	
Electro motor power	1.5 kW
Engine of introductory rollers	2 x 0.55 kW
Voltage	~ 380 V
Regulation the angle of inclination	Continual between 20 i 40 degree

# Technical specification LGU 302:

Approximate dimensions (L x W x H)	4800 mm x 2260 mm x 4090 mm	
Number of sieves	2	
Approximate weight	1100 kg	
Engine power	2,2 kW / 400 V	
ADAPTER for removing leaves from stems		
Engine power	1.5 kW	
Introductory rollers engine power	2 x 0.75 kW	
Voltage	400 V	



# The machine for unification of leaves BM-2m / BM-3m

Unificator is machine which is used for separating leaves from stems on dry herb, also can be used for calibration of mixure of different dimension leaves to the desired size with minimal damaging.

The machine is designed in the way that dry herb is inputed with input belt conveyor in the selection space. Leaves separation is happening in the space with rotating brushes which rub separate leaves through sieve with desirable perforation. Belt conveyor is used for outputing separated leaves from machine, while the stems are outputed from the opposite side and collected in bag.

The machine is produced with replaceable different perforation sieves which is adjusted to the customer's needs. Machine is designed in order to have adjustable angle inclination for material flow speed regulation inside the machine. The sieves are changeable. Our producing range has two sizes of this machine BM 2m - two meters long with two sieves, and BM 3m - three meters long with three sieves.





## Technical specification BM - 2m:

Length	2610mm
Width	930mm
Height	2300mm
Approximate weight	400 kg
Engine power	2.05 kW



Unification machine BM - 2m



## Technical specification BM - 3m:

Length	3670 mm
Width	1385 mm
Height	2800 mm
Approximate weight	900 kg
Engine power	2,8 kW



Unification machine BM - 3m



# Vibration separators ST VIBRO I, II, III



**ST I VIBRO** 

ST II VIBRO W

**ST III VIBRO W** 

The vibration separators ST I VIBRO / ST II VIBRO W/ ST III VIBRO W is mechanical machine for sieving seed products, dried leaves, flower, pulvis etc in order to clean (calibrate) them, to separate leaves from small parts of stalks, to remove dust and other unwanted elements.

Vibration control is through two vibration motors. Sieve dimension and perforation depends on a customer needs and production capacities. Size of a hole directly influences on material granulation. Smallest sieve's perforation is called "silky" sieve for dust removing.

Selected mass is automatically put in boxes or onto belt conveyors, which depends on customer needs. On ST I VIBRO one sieve gives 2 fractions at the same time, ST II VIBRO W has two sieves which are set giving three different fractions in one pass and ST III VIBRO W has three sieves and select material in four fractions.

Vibrating separator allows variable sieve inclination from 5-10 degrees, oscillation frequencies and the oscillation direction. That makes it very suitable for different cultures and also for materials with different level of unwanted elements. Vibration motor is powerful enough to work with heavy materials.



# Technical specification ST I VIBRO:

Sieve length	1500mm
Sieve width	600mm
Number of sieves	1
Driving	vibration motors
Sieves declination	Changeable continually from 5 to 10 degrees
Sieves perforations	According to customers demand
Weight of the machine	app. 325 kg
Engine power	2 x 0.62 kW
Voltage	$\sim 380 \text{ V}$



# Technical specification ST II VIBRO W:

Sieve length	1200mm
Sieve width	800mm
Number of sieves	2
Driving	vibration motors
Sieves declination	Changeable continually from 5 to 10 degrees
Sieves perforations	According to customers demand
Weight of the machine	app. 480 kg
Engine power	2 x 0.62 kW; 2 x 0.25 kW
Voltage	~ 380 V



# Technical specification ST III VIBRO W:

Dimesions (L x W x H)	4000 x 1680 x 2000 mm
Sieve length	1020 mm
Sieve width	800 mm
Number of sieves	3
Driving	vibration motors
Sieves declination	Changeable continually from 5 to 10 degrees
Sieves perforations	According to customers demand
Weight of the machine	App. 830 kg
Engine power	3 x 0.25 kW, 2 x 0.62 kW
Voltage	$\sim 400 \text{ V}$



# **Vibration separator VIBRO 14 W**

The vibration separator VIBRO 14 W is machine specially designed for very fine and final cleaning of material. Machine is also suitable for removing dust. The best results are achieved in removing very light and small stems that are often present in oregano, thyme, dill, parsley etc. This small stems could not be removed in previous processing - with air separators or other types of vibro separators. Also machine gives perfectly clean output product in processing chamomile pulvis, mint etc.

Vibration control is through two vibration motors. Sieve dimension and perforation depends on a customer needs. Size of a hole directly influences on material granulation.

Vibrating separator allows variable sieve inclination from 5-10 degrees, oscillation frequencies and the oscillation direction. That makes it very suitable for different cultures and also for materials with different level of unwanted elements. Vibration motor is powerful enough to work with heavy materials.



#### **Technical specification VIBRO 14 W:**

Type of machine:	Vibrating sieves
Treated product:	Spices, aromatic herbs and others
Description:	Mechanical machines used to sieve products in order to clean them or calibrate them.
Driving:	Vibration motors
Sieves declination:	Changeable continually from 5 to 10 degrees
Sieve perforations:	According to your demand
Material dosage:	Manually into receiving hopper



# Single Zig-Zag air separator 2M-P



This machine is specially designed for small-scale and middle-scale producers. With unique construction and small dimensions, it can be easily placed in every hall. The machine gives extremely good results in cleaning of many different herb and species. During the process of cleaning, the machine does not damage the material, provides very good separation of material from impurities (stone, sand, steam, dust ...), and enables continual process.



#### The dimensions : of the machine are following:

- the dimensions of the basis are  $2m \times 3m$ , while the height is 2,5m - 3m.

The machine is very reliable; it does not jam and gives good quality leaf material. The machine is quiet and does not produce vibrations and dust. All parts of air separator are placed on wheels providing the possibility for easy moving.

Easy and comfortable: The machine has integrated belt conveyor which transports material into the ZIG ZAG section. Worker can easily load the material into the hopper, and with the regulation of the speed he can control the loading speed. The height of the input is 1.2 m.

Electronic regulation: The ZIG ZAG section and cyclone are on the same side as control cabinet, and this solution provides better control of work, and visual inspection of output material.



After the ZIG ZAG, you have three fractions:

- clean material,
- impurities (stems, ground, etc.),
- dust.

Bellow the ZIG ZAG section and cyclone there are boxes for the material. The flap on the ZIG ZAG section allows replace of the boxes without spilling of material.

Enclosed you will find photos of the results we achieved in separation of different herbs. ZIG ZAG has a cyclone for collecting dust.





# Single ZIG ZAG 2M-P

Air ventilator	1
Engine power	3 kW
Frequency regulator – engine power	4 kW
Total height	4000 mm
Engine power – input belt conveyor	0.75 kW
Frequency regulator – input belt conveyor	0.75 kW
Dosing system for Zig-zag	0.55 kW
CycloneEngine power	0.55 kW
Small belt conveyor	0.37 kW
Material:	Regular steel or INOX
Output fraction	2 + dust

#### Lemon verbena



#### Rosemary





Fennel seed



Mint





Mint – big fraction



Mint





Sage – big fraction



Sage - small fraction





# Single & Double Zig-Zag air separator

The machine gives extremely good results in cleaning leaves (oregano, thymus, mint, melissa, rosemary, parsley, sage and similar) or seeds (fennel, anise and similar from different kinds of impurities (dust, stones, sand, metal parts, plastic parts, glass and similar). During the process of cleaning, the machine does not damage the material and enables continual process.

The Zig Zag air separator works on principle of classifying the material by specific weight and shape.

Precise electronic work regulation provides finely classifying of material until obtaining high quality output product.

The machine is characterized by high efficiency, quiet operation without vibration and dust.

Euro Prima has in its offer Single and Double 3-M separator.

Single Zig Zag air separator classifies the material on three fractions, and the Double Zig Zag air separator classifies the material on four fractions. The difference between these two machines is in number of Zig Zag sections. Every Zig Zag section has itsown ventilator with independendant operating. By Double Zig Zag air separator, the material which is cleaning, passes through double selection what increases the effect and allows the work with different type of unwanted elements, from relative big stems to very small elements (small stems, bristle hairs, dust etc) allowing processing of wide spectrum of herbs. As a result, a high percent of clean material can be achieved.



Basically, whether is about Single or Double Zig Zag air separator, at the end of the finishing process, following fractions can be obtained:

1. bigger impurities (stones, bigger sand, bigger stalks, metal parts, glass parts, and similar)

2. finer impurities (small send, bigger metal dust, smaller stalk, plastic impurities and similar) this fraction is by Double Zig Zag separated by first pass, and by Single Zig Zag by second pass

3. dust

4. pure leaf or seed

This machine is used for processing the herbs

Start phase:

The material for processing is transported in the Zig Zag by belt conveyor or pneumatic conveyor.





#### Electronic regulation of operating regimes:

Operating the machine is done through the panel which is placed in electric box. Regulation of work regime of ZIG ZAG separator is done through frequency regulator which manages the work of the ventilator and belt conveyor for input herbs. On the display, the set value is readable. This provides finely regulation of work, which, as the effect, has the increasing of the efficiency of the machine and obtaining quality final product.

Every Zig-Zag section can be adjusted separately, according to the herb material which is processed.

The cleaning of the machine is easy, it is cleaned as the machine is put in cleaning regime and the engines are working in full power.



### ZIG ZAG separator, as an additional option can be equipped with PLC control with touch screen.



With PLC you regulate the work of the Zig Zag separator and belt conveyor VARIO 604 which is used for the input of the material into the Zig Zag separator. Beside that, PLC has an option to redefine and memorize of 30 different procedures, respectively 30 different regimes of work and you simplify the work of the operators. Of course beside these 30 regimes the operator has possibility to adjust the work of the machine in different regimes if wishes. PLC remembers the history of work, so it is possible to have a insight in work of the separator in past time. On display in real time is show the current regimes and eventual mistakes which can appear with the notice on which part of the machine the mistake has happen.



## **Technical specifications:**

## Single Zig-Zag air separator 3-M

Air ventilator	1
Engine power	4 KW
Dosing system for Zig-zag	0.55 kW
Cyclone Engine power	0.55 kW
Small belt conveyor	0.37 kW
Frequent regulator	4 kW
Total height	5000mm
Total width	2000mm
Total length	2400mm
Capacity	Up to 150 kg/h
Material:	Regular Steel or INOX
Output fraction	2 + dust
System for dust collection	1

# Double Zig-Zag air separator 3-M

Air ventilator	2
Engine power	2 x 4 kW
Frequent regulator	2 x 4 kW
Two Zig Zag – Engine power	2 x 0.55 kW
Cyclone – Engine power	1 x 0.55 kW
Small belt conveyor	0.37 kW
Total height	5010mm
Total width	2640mm
Total length	3200mm
Capacity	Up to 250 kg/h
Material:	Regular Steel or INOX
Output fraction	3 + dust
System for dust collection	2

#### Belt conveyor - VARIO 604

For continual material entry into Zig-Zag's input hopper, conveyors with appropriate length and height of lifting are in use.

Our recommendation is to use belt conveyors which are not damaging material during the transport.

From our production we can offer you belt conveyor Vario 604, 6,3m length with ribs.

Conveyors are equipped with frequency digital regulator which is in use for adjusting of belt's speed and quantity of material. This is very important in order to achieve maximal efficiency of air separators and best quality of processed herbs.

All conveyors are set on the wheels and have mechanism for continual angle adjustments (height lifting).

#### **Technical specifications VARIO 604:**

Total length	6300mm
Engine power	0.75 kW
Frequent regulator	Delta
conveyor with ribs, width	400mm
Material:	Steel or Inox
Angle adjustment:	Continual between 20 and 40 degrees














### **Triple Zig-Zag air separator 3-M**

The machine gives extremely good results in cleaning leaves (oregano, thymus, mint, melissa, rosemary, parsley, sage and similar) or seeds (fennel, anise and similar from different kinds of impurities (dust, stones,sand,metal parts, plastic parts, glass and similar).

During the process of cleaning, the machine does not damage the material and enables continual process. The Zig Zag air separator works on principle of classifying the material by specific weight and shape.

Precise electronic work regulation provides finely classifying of material until obtaining high quality output product.

The machine is characterized by high efficiency, quiet operation without vibration and dust.

Euro Prima has in its offer Single, Double and Triple 3-M separator.





Single Zig Zag air separator classifies the material on three fractions, Double Zig Zag air separator classifies the material on four fractions and Triple Zig Zag air separator classifies the material on five fractions. The difference between these three machines is in number of Zig Zag sections. Every Zig Zag section has its own ventilator with independent operating. By Triple Zig Zag air separator, the material which is cleaning, passes through triple selection what increases the effect and allows the work with different type of unwanted elements, from relative big stems to very small elements (small stems, bristle hairs, dust etc) allowing processing of wide spectrum of herbs. As a result, a high percent of clean material can be achieved.

Basically, whether is about Single, Double or Triple Zig Zag air separator, at the end of the finishing process, following fractions can be obtained:

1. bigger impurities (stones, bigger sand, bigger stalks, metal parts, glass parts, and similar)

- 2. finer impurities (small send, bigger metal dust, smaller stalk, plastic impurities and similar)
- 3. dust

4. pure leaf or seed

This machine is used for processing of the dry herbs, spices and fruits.

#### Technical specifications Triple Zig-Zag:

Air ventilator		1 x 4 kW, 2 x 3 kW
Frequent regulator		3
Three Zig-Zag section	Engine power	3 x 0.55 kW
Cyclone	Engine power	1 x 0.55 kW
Output fraction		4 + dust
Control		PLC with touch screen
Approximate weight		2600 kg







## **Dedusting system**

The system is used to remove dust created during the processing. Aspiration covers all critical points for dust creating on the machines. There are 5 sets of dust hoods that are placed above the critical points and vacuum collect the dust. We offer aspiration systems of different power, in accordance with the needs of your production. Shaking the filter bags is automatic, with compressed air by solenoid valves. At the bottom of the conical part is positioned a container for collecting dust.

The aspirator consists of the following components:

Load-bearing structure, Conical part, Box with filter bags.







## Cutting machine KN-200 & KN-D 11



The cutting machines KN-200 and KN-D 11 are designed for grinding of different input material like dry fruits, peels (orange, lemon), various types of herbs and thin roots.

The difference between these two machines is the number of knives – KN-200 has one set of radially set blades, and KN-D 11 has two sets of radially set blades.

The output product is in shape of rectangle. The desirable size of the output product is defined by the size of the knives and can be 6, 8, 10 or 15 mm. The quality of the input material also could affect which set of knives will be used. The advantage of this machine is that produce a small percentage of dust and the output product is has unified dimensions.

#### **Cutting machine KN-200**



#### **Technical specification KN-200:**

Engine power	2 x 4kW
Frequent regulator	Delta
Weight	500 kg (approximately)
Voltage	400 V
Dimensions (HxWxL)	2005 x 1260 x 1360 mm

With electric cabinet you can control each segment of the machine.



Material is loaded directly into the machine by belt conveyor VARIO 306. After the grinding, output product is transported by belt conveyor VARIO 404 to further processing (calibration or cleaning).





#### Technical specification KN-D 11:

-	
Engine power	4 x 3,0 kW
Frequent regulator	Delta
Approximate weight	1000 kg
Voltage	400 V
Dimension (LxWxH)	2900 x 1050 x 2060 mm

With electric cabinet each segment of the machine and input/output belt conveyors are controled. If in any case, machine blocks, with simple moving of the of working organ which is regulated automatically, the machine unblock itself.

#### **INPUT - OUTPUT**

Orange peels

Laurel leaves













### Mill DF AERO with pneumatic dosing

Mill DF AERO is intended for milling leaves, roots, stems, fruits from different herb species such as mint, melissa, rosemary, oregano, thyme, rose hips, etc. Machine consist of part for dosing and pneumatic transport, with aspiration for dust which is created during the milling process, and of part for milling.

The material which you want to mill: leaves, small stems, finely chopped roots or similar material is loaded into receiving hopper of belt conveyor. From the hopper the material is transported by belt conveyor with electronic speed regulation. With pneumatic transport the matrial is carried into the crusher where it is crushed to the desired granularity. After that, the material is transported into the cyclone. The dust which is created during the process is collected in filter.

Dosing belt conveyor for the pheumaticlly transport with magnet

Machine has section knives and sieves around it. Fineness may be changed just by change of screen.

Mill with aumatic regulation and overload protection

System for pheumaticlly transport

13



#### **Technical specifications Mill DF AERO:**

Pulveriser	Engine power	5.5 kW
	Frequent regulator	5.5 kW
Air ventilator	Engine power	4 kW
	Frequent regulator	0.75 kW
Box for dosing	Volume of box	0.6m3
	Belt conveyor	0.75 kW



With electric cabinet you can control each segment of the machine. If any case, machine block, with simple moving of the swith from working mode to reverse mode.

Enclosed you can find the photos of the results. By choosing different sieves, you can change the fineness of the powder. Apple - BEFORE



Apple - AFTER





#### Rose hips - BEFORE

Rose hips - AFTER

Rose hips seed - BEFORE





Rose hips seed - AFTER

Hibiscus - BEFORE



Hibiscus - AFTER





Mint - BEFORE















Mint - AFTER powder

Sage - BEFORE





### **Crusher D-300**



Crusher D-300 represents the first step in rose hips processing.

Material dosage is manual or by a conveyor. Whole fruit is input in the machine where section knives cuts the fruit.

Machine has section knives and sieves around it. Fineness may be changed just by change of screen. Cutting section is driven by electrical engine 4kW.





#### Technical specifications D-300:

Air ventilator	Engine power	1.5 kW, 0.1 kW
	Frequent regulator	1,5 kW
Hammer mill	Engine power	3 kW, 0.55 kW, 0.37 kW, 0.37 kW
	2 x Frequent regulator	3 kW, 0.55 kW

Input



Output



The output product is a mixture of shels, seeds and hairs.



### **Control table**



Large amount of material is put on the control table and there is no need to bend to the ground often to pick the material. The speed is adjusted according to needed capacity.

The machine is long, so it alouds the inspection of the material before it enters the line.

Dimensions are different depending of customers needs. Recommending lengths are 3m and 5m and recommended width is 0.8m.

Control tables are mounted on wheels allowing easy relocation. Height regulation also possible, making them adjustable to different production lines.



#### Control table CONTROL 308

Length of transporting belt	3 m
Width of transporting belt	0.8 m
Speed of transporting belt	0 – 0,15 m/s
Type of belt transporter	CONTROL 308
Electric motor	0.25 kW
Frequency regulator	0,75 kW
Material of control table	Regular steel / INOX

#### **Control table CONTROL 508**

Length of transporting belt	5 m
Width of transporting belt	0.8 m
Speed of transporting belt	0 – 0,15 m/s
Type of belt transporter	CONTROL 508
Electric motor	0.37 kW
Frequency regulator	0.75 kW
Material of control table	Regular steel / INOX





## Systems for dosing

Dosing conveyor LINE is used for continual and automatic dosing of the herbs, with minimal engagement of the workers.

Material is unloaded into dosing belt conveyor LINE which consists of three sections and dose the material in controlled layer into the rest of the line. You can put up to 3 to 8m<sup>3</sup> of material in dosing belt conveyor which gives wide autonomy in operation. With this belt conveyor in the line, you do not need to fill the material often in the line and it is done without the participation of labor.

With the dosing belt conveyor it is possible to dose the material, wheter it is dry or fresh material, like chamomile flowers, leaves, seeeds, etc., and also the whole herb. For the dosing of the herbs, the dosing belt conveyor is equiped with two special devices which are used for additional dispersal of the herbs, when the herbs are condesed and entwined.





At the exit of the dosing belt conveyor the stone catcher with the magnet is placed, which prevents that stones and metal goes in the rest of the line, and make the damage on the equipent.

Optional is that the belt conveyor can be delivered covered with metal cover and transparent silicone curtains which prevent the exit of the dust into the room and they are suitable for connecting aspiration hoses.

All parts that come in contact with herbs are made of Stainless Steel – INOX, and belts are with ribbed borders.

#### Belt conveyor - LINE 1015

LINE 1015 is the system of 3 conveyors combined in one 10m long unit with 1.5m wide belt.

In one charge it is possible to fill 8m<sup>3</sup> of herbs.

The dosing belt conveyor, by the demand of the buyer, can be equiped with side sheet which can be open with pneumatic cilinders, and on this way the dosing belt conveyor is adjusted to filling from the trailer.

The filling can be done with the help of the doser or telehender.



#### Technical specifications LINE 1015:

Total length	1200 mm
Width	1500 mm
Weight:	1500 kg
Belt conveyor - LINE 1015	
Power of electric engine:	3 x 0.37kW (optional: 2 x 0.55kW)
Belt conveyor - LINE 1015	
Frequency regulator	3 x 0.75 kW
Belt:	PVC
Sound pressure level by A scale	Leq A (dB) < 70



#### Belt conveyor - LINE 808

LINE 808 is a system which consists of 3 belt conveyors combined in one belt conveyor 8 m long and 0,8 m wide.

Because of his dimensions, it is suitable for placing in all kind of spaces and it is easily adjusted to the production lines. You can put up to 3m<sup>3</sup> of material in dosing belt conveyor which gives wide autonomy in operation.

With this belt conveyor in the line, you do not need to fill the material often in the line and it is done without the participation of labor. It is used for dosing many kinds of materials in processing lines. It can be used for many different herbs. Each conveyor has its own engine with speed regulation.

The material is lnox, and belts are sanitary healthy.



#### **Technical specifications LINE 808:**

Total length	8570 mm
Width	800 mm
Weight:	1000 kg
Belt conveyor - LINE 808	
Power of electric engine:	3 x 0.37kW (optional: 2 x 0.55kW)
Belt conveyor - LINE 808	
Frequency regulator	3 x 0.75 kW
Belt:	PVC
Sound pressure level by A scale	Leq A (dB) < 70





# System for dosing OPTIMO

This dosing system can receive around 1m<sup>3</sup> of material. The quantity of dosed material can be easily regulated by adjusting speed of belt conveyors. The input/output capacity can also be defined by regulating the exit distance between upper and lower belt conveyor on the machine. Height of the layer material can be adjusted to range from 50 mm to 150 mm

Dosing belt conveyor also has the posibility of adjusting the angle of lower belt conveyor in range from  $20^{\circ}$  to  $45^{\circ}$ . This feature provides the options to dose the input material on different heights according to customer requirements.







#### **Technical specifications OPTIMO:**

Dimensions (Length/Width/Height)	3250 mm x 2250 mm x 1050 mm
Approximate weight	550 kg
Engine power	1.3 kW
Conveyor with ribs, width	640 mm



For continual material entry into machines input hopper, conveyors with appropriate length and height of lifting are in use. Our recommendation is to use belt conveyors which are not damaging material during the transport. From our production we can offer you belt conveyor VARIO. Conveyors are equipped with frequency digital regulator which is in use for adjusting of belt's speed and quantity of material. This is very important in order to achieve maximal efficiency of the machines and best quality of processed herbs. All conveyors are set on the wheels and have mechanism for continual angle adjustments (height lifting).



### Technical specifications VARIO 506:

Dimensions (Length/Width/Height)	5100mm x 1100mm x 3200mm
Approximate weight	250 kg
Engine power	0,75 kW
Width belt with ribs	580 mm
Active part of belt	500 mm
Angle adjustment	Continual between 20 and 40 degrees
Material	Steel

### Technical specifications VARIO 604:

Dimensions (Length/Width/Height)	6000mm x 1000mm x 3900mm
Approximate weight	280 kg
Engine power	0,75 kW
Frequent regulator	0,75 kW
Width belt with ribs	400 mm
Active part of belt	310 mm
Angle adjustment	Continual between 20 and 40 degrees
Material	Steel





# LINES

#### Line for fresh chamomile

Fresh material after harvesting is loaded into belt conveyor and further into primary selector. In this drum-shaped machine, chamomile material is separated in two fractions, good-quality and bad-quality material:

- 1. Good-quality product (chamomile flowers with out stems or with stems shorter than 8 cm)
- 2. Bad-quality product (chamomile flowers with stems longer than 8 cm)

Primary processing in fresh condition is very important. This way, only good quality material is dried and energy is saved. Also, if the chamomile is well prepared, processing in dry condition is faster and more efficient.











#### Line for dry chamomile

Dry chamomile is input by dosing belt conveyor in the machines for cutting the stems from picked and dried chamomile flowers.

The line produces three different output products as follows:

- 1. Chamomile flowers (heads) without stems,
- 2. Pure pollen,
- 3. Small cut stems with petals and empty chamomile heads.












## Line for herbs (Mint, Basil, etc.)

Whole dry herbs are input into threshing and crushing machine which is used for removing the leaves from the stems of whole dry herbs and partial sieving of material. The dosing of the material can be manual or by dosing belt conveyor. Belt conveyor then takes the leaves mixed with small stems and other impurities in controlled layers into air separator. Air separator is used for removing ground, dust, stones and small stems from leaves After air separator the material goes directly in vibration separator where the leaves are calibrated in different fractions, according to the number of sieves.







## Additional equipment

The lines can be controlled with PLC through which you can monitor how much material has been processed in a unit of time, as well as the capacities of the line. PLC makes it possible to save 30 different receipts for different herb species, so that the operator by choosing the adequate herb species also chooses the correct working mode of the line. Also, all PLCs have history, so that you can track in what working modes the machines have previously worked. Besides, the PLC controls the operation of all elements on the machines (order of starting, notifications about the changes - light and sound signals,...)

















Euro Prima operates a policy of ongoing development and therefore reserves the right to make changes and improvements to any of products described in this document without special notification. All the data listed in the catalog, especially those relating to the technical data and the capacities are approximate and could be the subject of change.

Some of the photos of the machines showed in the catalog are the machines made of Stainless material - INOX, and some of themare made from Regular steel.

Please consider that the machines could experience a change in the appearance, equipment and technique.



	CERT	IFICATE
	on manufact	uring capability
Certificate No.:	HM 69262750 0001	
Test Report No.:	20254620 001	
Manufacturer:	DOG Ruro Frime for Manufacturing and Trading, Veternik Zorana Sadmilovica bb, 21203 Veternik, Serbia	
Manufacturing site:	DOD Huro Frima for Miroslava Prodanov SEVER-SIISA 21138	: Manufacturing and Treding, Howi Sad Log Micks 16 INTUINISTER ZONA Sovi Sed
Product :	Barvesting and po	coressing machinery for herbs and spices
Identification:	Rated voltage:	3/N WE 400W; 50/60Rs
	Rated input: Details of the pro ANNIX ( Pages 1-4)	2307 AC: 50/68Hz 0,1kW-50kW cduct category, technical data, standards see
	with the BC Declar II of the Direction	ration of Conformity in accordance with Anney re 2006/42/85.
	The process of de suitable for manual the referred norm	sign and of production of Manufacturer is fecturing products mentioned above according stive documents (see Annex)
Applicable documents:	CIG 021- May 20 2006/42/EC - An	09 Dex I
Date of validity:	2022-07-07	
This certificate refers to the certify that the process of products mentioned above prove the conformity of ea- use of a TÜV Rheinland in valid up to the date of valid remain unchanged during	he above mentioned pri of design and of produ- a according to the appli- ch product produced by nark of conformity. The fity provided that the ap- the period of validity.	oduction. Based on the on-site assessment this is to obtain of Manufacturer is suitable for manufacturing cable normative documents. This certificate does no the Manufacturer. This certificate does not permit the production is assessed regularly. The certificate is plicable normative documents and production system
Date of Issue:		Juille 1
Budapest, 2020-12-18		Perenche Schmidt
TÜV Rheinland interCert 10	t Product Certification B	ody — H-1143 Budapest, Gizella út 51-57. — www.tuv.com
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1.5 WW to 7 KW	IN 150 1210912016 IN 309,1983+A1,2000 190 12945-12015 IN 120 12945-12015 IN 120 12187/2008 IN 120 14129/2018 IN 120 14129/2018 IN 020 14151/2018 IN 020 12100,2008 IN 120 12100,2008 IN 120 12100,2008 IN 120 12857/2008
0,5 HW to 3 HW	EN 120 3319042038. ES 3491393741:2008 100 12049-112015 ES 150 3345712008
	EN 120 34120:2015 EN 120 34119:2033 130 1164:1395 EN 40204-1:203E DUN EN 55811:2036-A1:2037
0,55 MM to 1,3 MM a	IN 120 12100.1018 IS 340:1393+A1:2008 10 13049-110015 IS 100-11995+A2:2008 IS 100-11995+A2:2008 IS 100-11995+A2:2008 IS 100-11295+A2:2008 IS 100-112016 IS 00004-1:2016 DOM EM 55811.2018+A1:2017
Consecting machines for investor	EN 150 3210072038 EN 34011983+A112888 EN 150 33857+2008 EN 120 34132033 EN 120 34132033 EN 2233-2809 EN 2233-2809 EN 1053:1999+A1:2889
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Annex to certificate No. MM 69262750 0001 Page 2/4		
Product calegory	Technical data range	Standard
helt commpor	0,18 FW to 1,5 W	EM 150 12100:2010 NM 120 14110:2013 100 11404-1995 EM 60204-12010 D1W DM 5061:3016481:2017
faunatis convegat	1,5 KM to 11 KM	EN ED0 12180:2010 100 13045-1-2015 EN ED0 14110:2013 100 14110:2013 EN 00204-12010 D1N EN 560112010-0812017
Spelone expander - dedating system	L. I. W. Lo. 6. M	HW 120 12188,2010 150 12045-12015 HW 120 14122-712016 HW 120 14122-712016 HW 120 14118,2013 160 1166441995 HW 60204-12810 D18 08 68011;2016481;2017
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Annex	to certificate No. MM 692627 Page 3/4	TÜVRheinland
Product category	Technical data ran	ge Standard
Vibratius separator	0,1 10 to 2,2 kM	E8 100 12388:2010 E8 100 12388:2010 130 13049-12015 E8 100 14139:3013 100 11004:1595 E8 6204-110010 US 88 5601:2016481:2017
ALT pelector	4.1 KN to 12 AM	HW LEG 13380/2010 HW LEG 13380/2010 HW 2015 HW 20015 HW 20015 HW 20014122-015 HW 20014122-016 HW 20014122-012016 HW 20014122-012016 HW 20014122013 HD 11484.5985 HW 02014122015 HW 20152015 HW 20152005
Palverieer	3 IN 10 5 IN	EN LEG 12388.2010 ES 24213934A12008 100-13865-5.2015 ES 100-13857-5.2006 ES 100-14522-32006 ES 100-14522-32016 ES 100-14122-32016 ES 100-14128-10013 100-11664-1595 ES 6004-12010 DIW EN MASS1.2016-81.2017
Productien Lines for bethe	4,5 KH to 50 KH	EN 190 12300:2010 EN 190 12300:2010 EN 199:199:201200 EN 309:199:201200 EN 190:1400-012015 EN 190:14122-015 EN 190:14122-015 EN 190:14122-015 EN 190:14122-015 EN 190:14122-015 EN 190:14122-015 EN 190:1400-012015 EN 190:1400-015 EN 190:1400-0000-0000 EN 190:1400-000000 EN 190:1400-00000 EN 190:1400-00000 EN 190:1400-0
		Certification Body
Date of issue: Budapest, 2020-12-18		Juille'



Ann	ex to certificate No. MM 69262750	TÜVRheinland
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roduct category	Technical data range	Standard
storrow cultivator	444	EN 100 4284-1/2013 EN 100 4254-1/2013 EN 120 4254-5/2006 EN 120 12188/2016 EN 120/2563-4/1/2008 120 120/2563-4/1/2008 EN 120/2563-4/1/2008
	21-70 88	EN LIO 14122-212016 EN LIO 14122-3-2016 EN LIO 14122-3-2016 EN LIO 14138:2013 INC 11418:2010 EN LIO 44312:2010
A ZAYA	VESTES /	
A	VRheinla	
	VRheinta	
	VRheinte	
	VRheinte	
	VRheinte	
		Certification Body
Dete of issue:		Certification Body



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