



Asten Honey Production & Technology

PRODUCT CATALOGUE

2019/2020





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This catalogue presents the equipment manufactured by Asten Honey Production & Technology for season 2019/2020. Every season sees us making our best for offering You the most modern and comfortable equipment available for making every-day beekeeping more effective and profitable.

Season 2018 saw us introduce our own automatic uncapping lines, which help make the life of a beekeeper multiple times easier and the work procedure a lot faster. We have also added a honey filter to our selection of products, it can be ordered both with heating for the water and for the heating cable. Additionally, we have been hard at work on developing and improving existing products, considering the feedback and wishes received from our clients.

We continue trying to offer You something new and exciting every season. We are grateful to all the beekeepers, who have trusted us and our products. Hopefully You will find something of interest from this catalogue to modernise and improve Your own beekeeping!



ASTENI MESINDUS OÜ

**TÜRI-ALLIKU, ALLIKUNURGA
JÄRVAMAA 72232**

**OPEN ON WEEKDAYS
08:00 – 16:30**



Automatic line for uncapping honey

80-frames

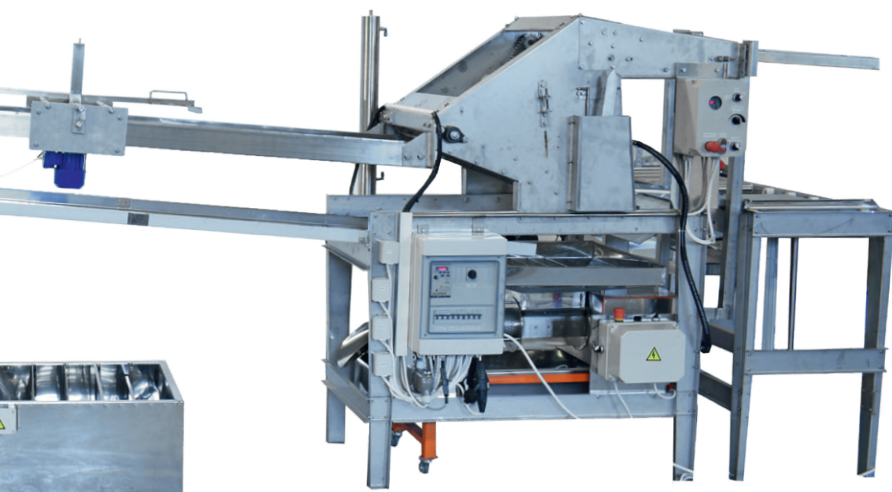


This device includes:

- ◆ **Uncapping machine** – vibrating knives + honey and comb loosener, closed heating system for knives. Frames are fed into the machine using feeder chains.
- ◆ **Waxpress** – minimum power of 100 kg/h.
- ◆ **DEBOXER lifting mechanism** made of bodies for lifting frames into uncapping machine (pneumatic)



Production video for this device
can be found on YouTube published
by user "Asteni Mesindus OÜ"



- **Honey filter** – capacity of 175 l.
- **Honey pump** – production of 1300 kg/h.
- **Relays for capped frames** with a length of 3 m and an electronic device for pushing frames. Relays for frames exiting from the extractor with a length of 1.5 m.
- **Barrel extractor** – capacity of 80 frames Langstroth / Farrar.

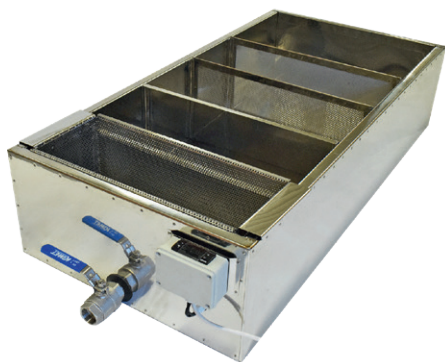


Deboxer

Possible to order as an accessory.

Honey filter

Honey filter with capacity of 175 l.
Ideal device for filtering honey!



This picture depicts a honey filter heating for heating cable.

Technical data:

Heating

Heating cable or water body.

Material

All parts of stainless steel.

Power

Produces 1300 kg/h.

Dimensions

Length 1260 mm

Width 560 mm

Height 260 mm

Filtration

Honey filter itself has 2 different-sized filters and metal plates of different heights for honey to flow; bigger pieces of wax are stopped by a bigger basket.

Honey pump 1300 kg/h

Technical data:

Engine

Power 230 V, engine 0.75 kW.

Material

All parts made of stainless steel. Honey pump teeth and its housing are of food-grade plastic (POM).

Power

Produces 1300 kg/h honey.

Guidance

Possibility to manually regulate revolutions.

Honey pump is able to pump 1300 kg of honey an hour. Teeth and housing of the honey pump are produced of food-grade plastic. Honey pump teeth are also extremely durable. This device has a frequency converter – allowing for regulating revolutions. Pump also pumps unfiltered honey containing wax.



Comb uncapping machine

Comb uncapping machine with dripping relays for frames (size according to buyer), which can be made compatible with a waxpress. Production capacity is ca 6 frames/minute. Uncapping knives work using steam or liquid heating.*

Technical data:

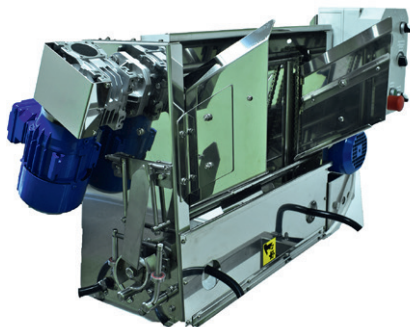
Dimensions (only uncapping machine *)

Width 900 mm

Height 600 mm

Length 400 mm

* Comb uncapping machine does not include a steam generator! It is possible to separately order a hot water heating system for knives.



Production video for this device can be found on YouTube published by user "Asteni Mesindus OÜ"

Uncapping table

For all frame types that are up to 200 cm

Uncapping table made of stainless steel can be ordered in any size according to the wishes of the client. For an extra price, it is also possible to order:

- Uncapping grate/ frame holder
- Cover for capping box
- Electric underfloor heating



Waxpress

100 kg/h

Waxpress 100 kg/h is designed for both professional use and for use by a novice beekeeper.



Technical data:

Engine

Engine 0.75 kW
Power 230 V

Material

All parts of stainless steel. Waxpress uses only food-grade plastic.

Dimensions

Waxpress diameter 120 mm
Extruder length 900 mm
Length 1050 mm
Width 450 mm
Height 650 mm

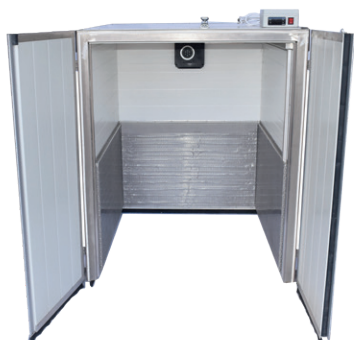
Guidance

Revolutions regulated using a frequency converter.



Based on feedback from beekeepers and long-time experience, we can safely say that a waxpress with production power of 100 kg/h has the most optimal power for both a novice beekeeper and a big manufacturer.

Honey heating cabinet



Technical data:

Engine

Power 230 V

Heating element 3 x 300 W

Dimensions

Capacity 1 m³

Inner dimensions:

K: 1160 x 880 x 1040 mm

Exterior dimensions:

K: 1220 x 1050 x 1100 mm

We also produce heating cabinets with both smaller and bigger dimensions, based on the wishes of the client.

Guidance

Temperature can be regulated using the thermostat for up to 50 °C.

Capacity

200 l barrel: 1 pc

120 l barrel: 2 pc

40 l bucket: 8 pc

20 l bucket: 15 pc

Beehive rooves

We prepare beehive rooves based on the dimensions and needs of our clients. Minimum ordering size is 10 rooves.

Beehive rooves have no heating or frame and are prepared of zinc.



Radial honey extractor

48-Langstroth and 56-Farrar frames

Fully automatic radial honey extractor which has 4 sectors and changeable revolutions. This is suitable for 48 Langstroth and 56 Farrar frames, if need be, also suitable for Estonian frame. Possible to also produce honey extractor with floor heating (an extra cost of 225.00 €). Fully automatic honey extractor is designed for use both in professional and small apiaries.



Technical data:

Engine

Reducer engine is under the floor.
Power of 230 V, engine has
0.37 kW. Electronic cover lock.

Material

All parts made of stainless steel.
Honey extractor is made of 0.8 mm
stainless steel. Transparent plastic
covers. Cover hinges are made of
stainless steel.

Dimensions

Diameter of honey extractor case is
950 mm / full diameter 1020 mm
Height of extractor case is
750 mm / full height 1030 mm
Height of ball valve from floor is
250 mm

Guidance

Full-automatic guidance with 3
programmes.
Possibility to manually change.



According to the needs of the client, it is possible to change the honey extractor and add to it. Wish to have a honey extractor with higher legs for fitting a bigger container under the spinner? Write to us and we make an offer for the best and most effective solution.

Honey extractor control panel can be fitted according to your needs – comfortable on a wall, in a certain location, on a certain ground etc.



Cassette honey extractor

8 cartridges, Farrar, Langstroth and Estonian frames

Fully automatic cassette honey extractor with changeable revolutions and reversible cartridges for both professional use and for use in small apiaries. Cartridges are connected with springs, based on the direction of rotation, the position of cartridges is set.

Also, possible to order honey extractors with electric floor heating for an extra cost of 225.00 €.



Technical data:

Engine

Reducer engine is under the floor. Power of 230 V, engine has 0.37 kW. Electronic cover lock.

Material

All parts made of stainless steel. Honey extractor is made of 0.8 mm stainless steel. Transparent plastic covers. Cover hinges are made of stainless steel.

Dimensions

Diameter of extractor case is 950 mm / full diameter 1020 mm
Height of extractor case is 750 mm / full height 1030 mm
Height of ball valve from floor is 250 mm

Guidance

Full-automatic guidance with 3 programmes. Possibility to manually change revolutions.

According to the needs of the client, it is possible to change the honey extractor and add to it. Wish to have a honey extractor with higher legs for fitting a bigger container under the spinner? Write to us and we make an offer for the best and most effective solution.

Honey extractor control panel can be fitted according to your needs – comfortable on a wall, in a certain location, on a certain ground etc.

Capping melting box

Universal device for an apiary!

Technical data:

Engine

Ventilated cap heating up to 110 °C
Power 230 V or 380 V
Floor heating up to 55 °C

Material

All parts made of stainless steel
Insulated double walls, thickness of walls 0.8 mm

Dimensions

Capacity 1 m³
Inner basket width 475 mm /
length 955 mm
Device full length 1080 mm
Width 600 mm
Height 1250 mm

Guidance

Temperature can be regulated using the control panel.

Capping melting box is a universal product, which makes the life of a beekeeper a lot easier, allowing to conduct multiple processes which make the life of a beekeeper a lot easier. Since the melting box has a ca 1m comb basket, the device can very easily be used as a comb capping box, additionally thanks to floor and cover heating, it is also possible to melt frames. By putting honey baskets to the floor of comb basket, it is also possible to heat honey to the desired temperature.

Cover melting box has 2 wheels and this means that transport from one location to other is very simple, meaning that the device is highly mobile and can be quickly moved.

Device is perfect for a novice beekeeper wishing to solve multiple beekeeping problems with one investment.





Honey mixing machine

For melting honey and producing creamy honey, 120 l / 230 l

Honey mixer 120 l 380 V

Honey mixer 120 l 230 V

Fully automatic heated honey mixer (up to 55 °C). Possible to program different honey mixing times and cycles.

2.5 revolutions per minute. Power of 380 V or 230 V. Honey mixer is prepared of 0.8 mm stainless steel, floor has been made of 1.2 mm stainless steel.

We also offer 230 l honey mixers:

Honey mixer 230 l 380 V

Honey mixer 230 l 230 V

Fully automatic heated honey mixer (up to 55 °C). Possible to program different honey mixing times and cycles.

2.5 revolutions per minute. Power of 380 V or 230 V. Honey mixer is prepared of 0.8 mm stainless steel, floor has been made of 1.2 mm stainless steel.

Technical data:

Dimensions

120 l honey mixer height: 750 mm

Inner diameter 580 mm

(both for 120 l and 230 l)

Exterior diameter 630 mm

(both for 120 l and 230 l)

**Honey mixer comes with movable feet –
It is possible to choose whether the feet
have a height of 40 cm or 60 cm.**



Clearing cask

120 l / 230 l, without heating

Clearing cask 120 l

Clearing cask 230 l

Clearing casks have reinforcement rods and a cover. It is possible to additionally order feet for the clearing cask with a height of 40 cm or 60 cm. It is produced of stainless steel (floor 1.25 mm, wall 0.8 mm).



Clearing cask

120 l / 230 l, with heating

Clearing cask 120 l 230 V

Clearing cask 230 l 230 V

Double-walled clearing cask made of stainless steel and with heating (up to 55 °C). Housing of the clearing cask has a thickness of 0.8 mm, floor has thickness of 1.25 mm. Temperature can be regulated up to 55 °C. Temperature is regulated using a temperature sensor and control panel.

Power supply: 230 V.

Can be used for sedimenting span honey and for melting honey before packaging.

It is possible to additionally order feet for the clearing cask with a height of 40 cm or 60 cm.



Technical data:

Dimensions

120 l clearing cask height: 550 mm

Inner diameter 580 mm
(both 120 l and 230 l)

Exterior diameter 630 mm
(both 120 l and 230 l)

Oxalic acid vaporizer

New and improved oxalic acid vaporizer – lower power consumption and with a temperature regulator!

Comfortable and effective device for steaming oxalic acid and fighting Varroa destructor.



USAGE

Can be used all-year round with all types of hives. Recommended outer temperature is at least +2 °C.

Using oxalic acid requires using personal protection equipment, gloves and eye protection with an acid-proof respirator!



Technical data:

Engine

Voltage 230 V,
maximum power 450 W

Dimensions

Weight 4.5 kg
Length 600 mm
Height 250 mm
Width 150 mm

- Device must be connected to power grid or to a generator!
- For using the device, it is important to turn the device on – it is ready to be used in 5 minutes, the device retains the set temperature.
- Open the end of tube and the cover on the tube; pour the required amount of dry oxalic acid on the heater. After this, the cover is closed.
- One-time dose of oxalic acid per two housings is 15 g, per one housing it is 10 g. This amount ensures that in ca 2 min a consistent thick and intense steam is generated. This steam is directed into the beehive using the ventilator on the oxalic acid steamer. The amount of oxalic acid can be increased, if need be – there is no danger of oxalic acid overdose for bees.
- The steam which exits the tube is on ca +40 °C (safe for bees).
- Device cools slowly. Preferably use a box car, trailer or a van when transporting the device to next bee group to create overpressure in the cabin. **Transportation of the warm device in the cabin of a passenger car is forbidden!**



NEWEST TECHNOLOGY

Wide apiary knowledge.



LONG-TERM EXPERIENCE

We have produced apiary equipment since 1994.



SMART IDEAS

Our specialists add useful and smart solutions to our devices.



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