

**Alpha Plus
Extractor**

Réf. C1003



Non-contractual picture

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The Alpha Plus extractor is a new generation horizontal axle extractor. Loading and unloading is made easy and limits useless manipulations.

Entirely made of stainless-steel and with a 36 ½ Dadant frame capacity, the machine is delivered with the input (1) and output (2) conveyors.

For optimal comfort, the extractor can be used continuously with an Alpha Plus uncapping machine.

Technical Definition

Stainless-steel

Capacity : 36 ½ Dadant frames

Total length : 3,40 m

Total weight : 210 kg

Motor : single phase 220 V – 750 W

SAFETY PRECAUTIONS

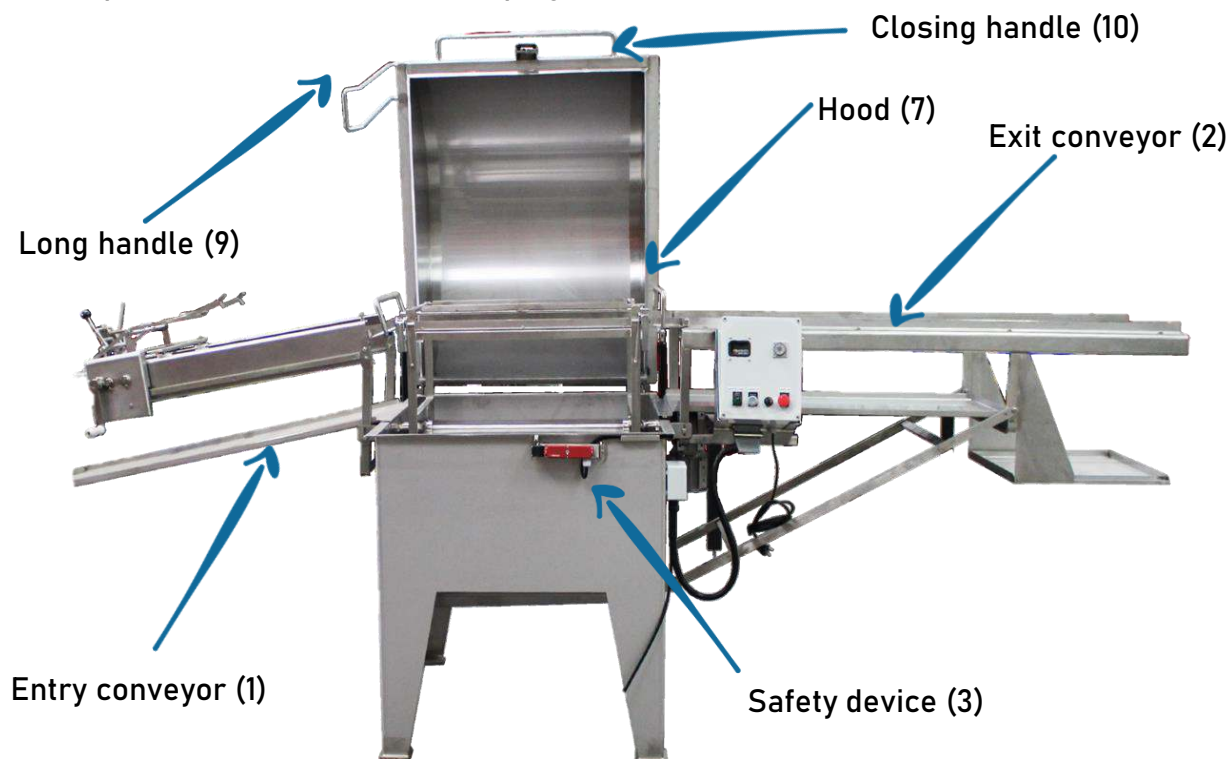
CAUTION : Before connecting the appliance to a power supply, make sure that your electric installations comply with current standards (differential circuit breaker protection, earth wire, etc.).

Check the supply voltage.

Before using the unit for the first time, clean it to remove any residual metal shavings or filings.

Secure the machine to the ground (delivered with drilled stands).

Keep out of children's reach - Unplug after each use.



Non-contractual documentation.

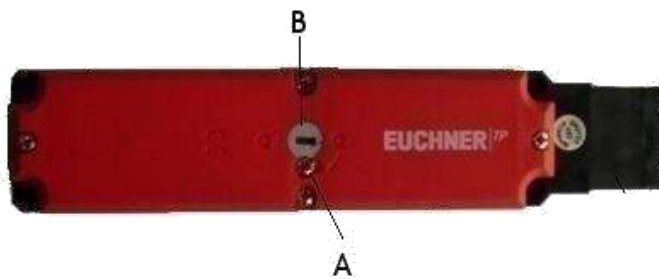
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The machine is equipped with a safety device on the hood. Off grid, it is possible to manually unlock it by unscrewing the (A) bolt, then turning the (B) arrow towards the « unlocked » position.

Before starting the extractor, the arrow must point towards the « locked » position.

For the conveyor installation, see the full chain installation guide.



OPERATING PRINCIPLE

The uncapped frames are pushed onto the input conveyor to load the extractor. With the centrifugal force, it will extract the honey from the frames. Towards the end of the cycle, the frames full of honey waiting on the input conveyor, push the extracted frames onto the output conveyor.

The machine speeds up during the cycle. The speed parameters (total duration, accelerations) can be adjusted from the control box.

The input and output conveyors are made of stainless-steel and have flaps to recover the dripping honey. The input conveyor has a loader with crank.

The extraction cycle lasts for about 10 minutes. To reduce this time, it is recommended to put the frames in a warm room before extracting the honey.

DIRECTIONS FOR USE

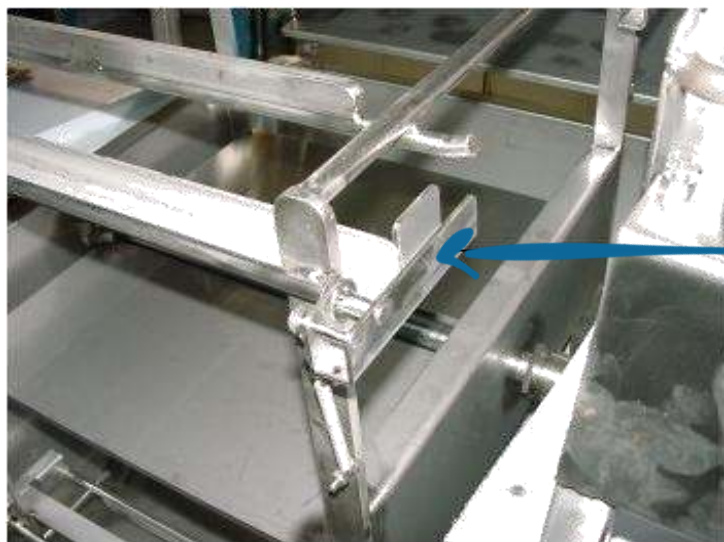
- Loading and unloading:

Plug in the machine. Press the power switch (6). Open the hood (7): a safety device stops the machine from being opened when in a cycle or not plugged in.

Pull the input conveyor handle and take care to leave the output conveyor handle upright. Load the frames on the first side of the extraction cage. Pull up the input conveyor handle (1). Check that the frame stops (8) are in a vertical position.

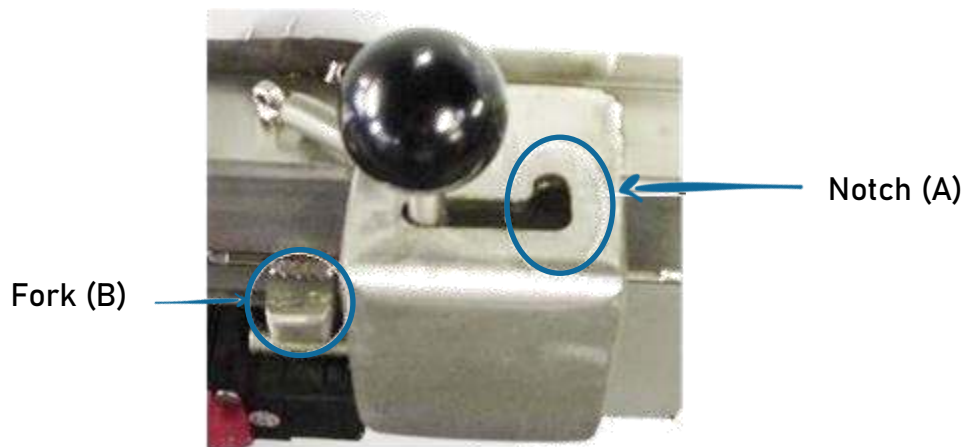
Turn the cage 180 ° (half turn). Do not put your hands in the extraction cage during this process. Bring the input conveyor handle down and load the second side of the extraction cage.

On both sides it is very important to leave a small space (about the width of a frame) at each end of the cage's face. This space allows the frames to separate a little during the cycle and to let the honey flow freely.

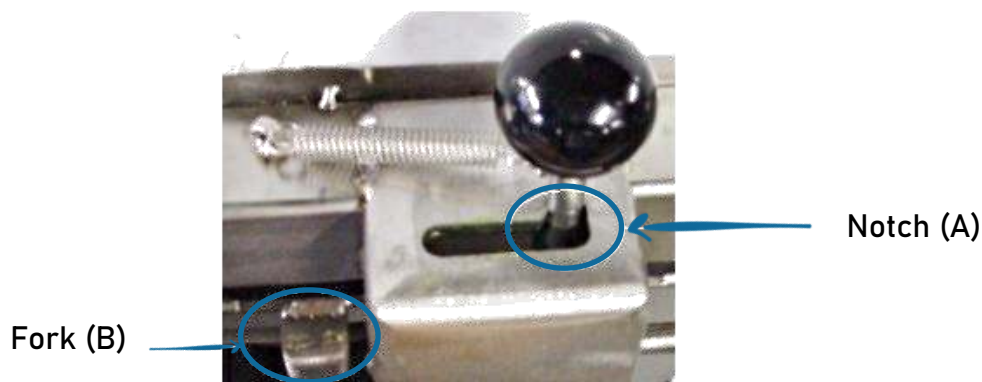


Frame-stop in vertical position (8)

Push the locking handle into the « locked » position: to avoid any damage to the fork (B), during the closing of the hood, make sure the handle is in the notch (A).



Locking handle in « locked » position



Locking handle in « open » handle

The extraction complete, align the cage with the two conveyors and bring the handles down.

Load the input conveyor (1) with the crank handle loader: the empty frames are pushed by the full ones. Repeat the operation for the second side.

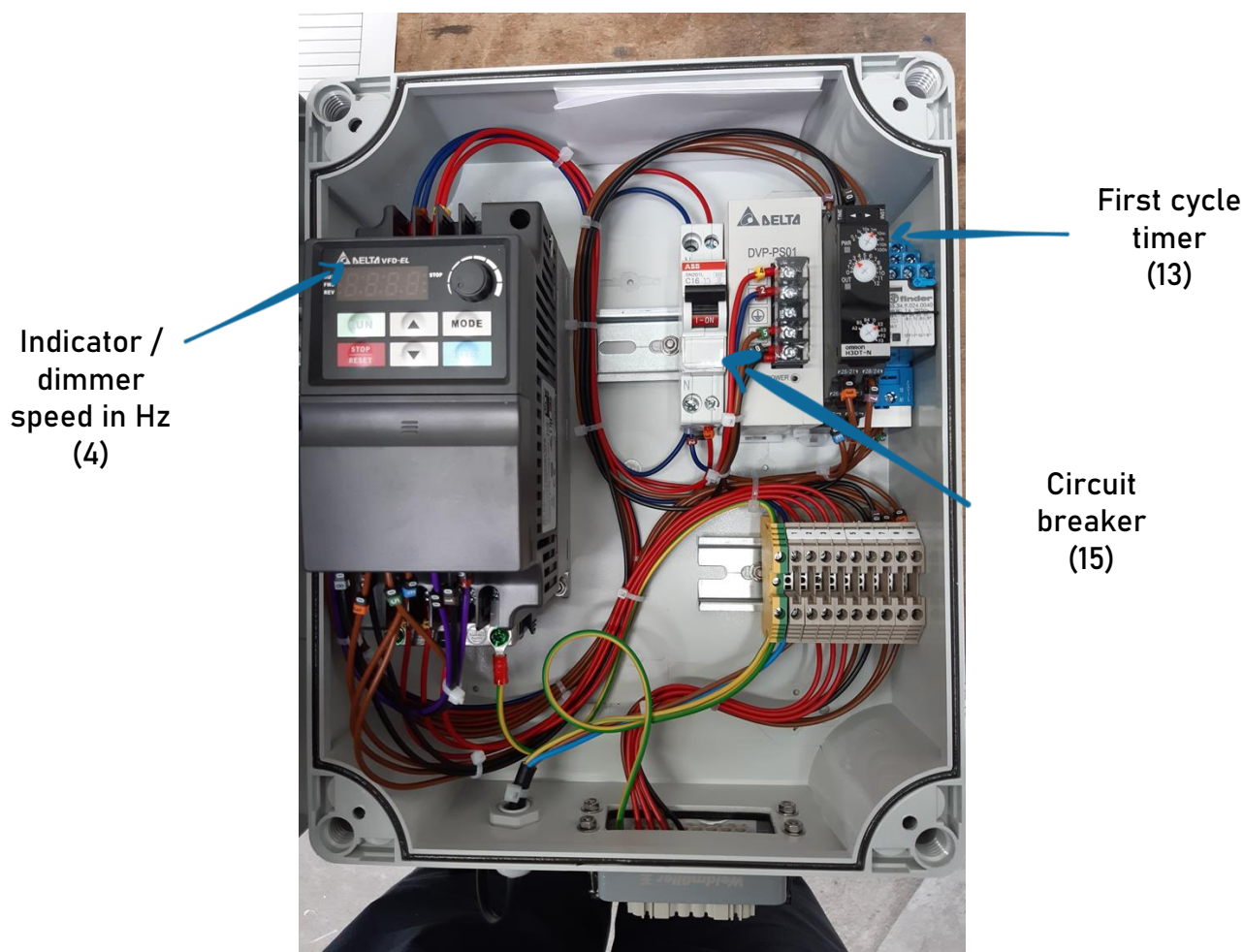
CAUTION : Always install the maximum number of frames in the extractor (while leaving a small space on each side), otherwise, the frames may slip and break. If needed, use empty frames. Ensure that there is always symmetry between the frames and the rotation axis.

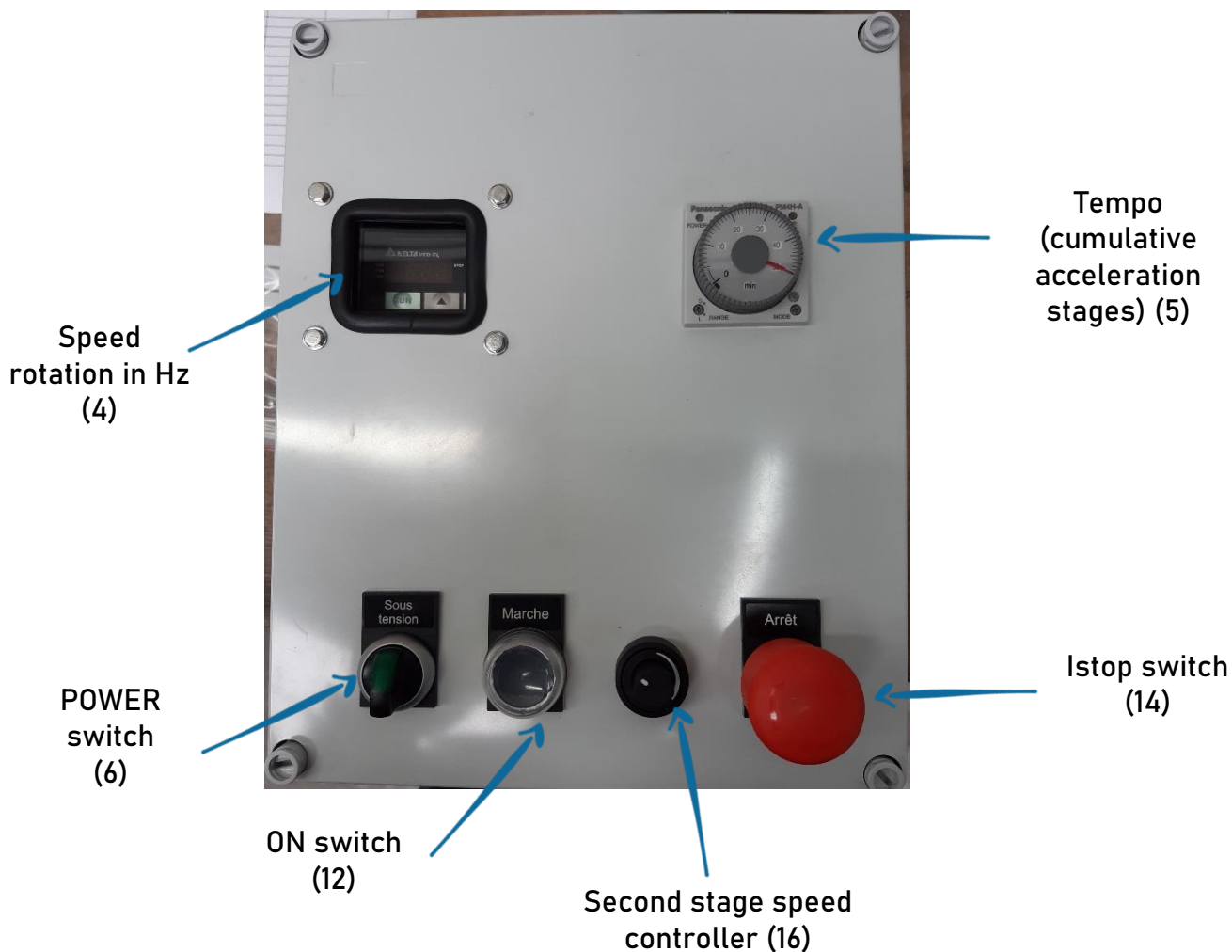
- Cycle operation

The extraction is done in two stages. The speed of the first is set by default at 20 or 25 Hz (depending on the type of frame) and the duration (preset at 3 minutes) can be set using the timer inside the case (13). Do not set the duration of this plateau to 0 seconds. The second level is reached after a gradual acceleration. The speed of the second stage is obtained using the potentiometer on the box (16) and displayed in Hz on the speed indicator (4). This speed can be adapted in real time, once the first level has been reached.

The total duration of the cycle is given by the tempo (5) (sum of the steps).

At the end of the preset cycle, the extractor will stop automatically. Wait for the unlocking "click" before opening the cover. The machine can be stopped before the end of the cycle by pressing the red emergency stop button (14) (then unlock by turning it clockwise). Wait for the "click" of the safety release before opening the cover.





MAINTENANCE

CAUTION : Unplug the device before any maintenance. Protect the electric parts when washing the whole machine.

Clean with hot water. After cleaning, let the machine run for a few minutes so as to dry it out. Grease the bearings every two years (use food grease).

The Alpha Plus extractor is meant for an annual use, but must run regularly all year long (at least a few minutes every month). It is recommended to store the machine in a dry place.

Frequent questions

CAUTION : Unplug the device before any maintenance operation.

| Problems | Possible solutions |
|--|---|
| The machine does not start | <ul style="list-style-type: none"> - Check that it is properly plugged in to a power supply. <ul style="list-style-type: none"> - Check the power supply (possible power failure) - Check that the circuit breaker (15) is on the ON position inside the control box - Check that the red STOP button (14) is unlocked by turning it clockwise. - Check that the hood safety device is on « locked » position. <ul style="list-style-type: none"> - Check that the locking handle (10) is on the correct « locked » position. |
| Only one of the stages can be accomplished | <ul style="list-style-type: none"> - Check that the energy controller (11) is not the 0 setting. - Check that none of the timers are on the 0 setting. |
| The machine is loud or vibrates too much | <ul style="list-style-type: none"> - The frame stoppers (8) may not be well positioned. In this case, the frames may have slipped. Press the red STOP button (14) and wait for the safety « click » to open the hood. - Check that both sides of the cage are symmetrical. |
| The frames still have honey | <ul style="list-style-type: none"> - Check the extraction time. If needed, make it last longer. - Check that the frames have a little space between them so that the honey can flow out. <ul style="list-style-type: none"> - Check that the honey has not crystallized. |
| The handle does not engage | <ul style="list-style-type: none"> - Check that nothing is in the safety device. - Adapt the height of the safety device with the bolts behind it. |



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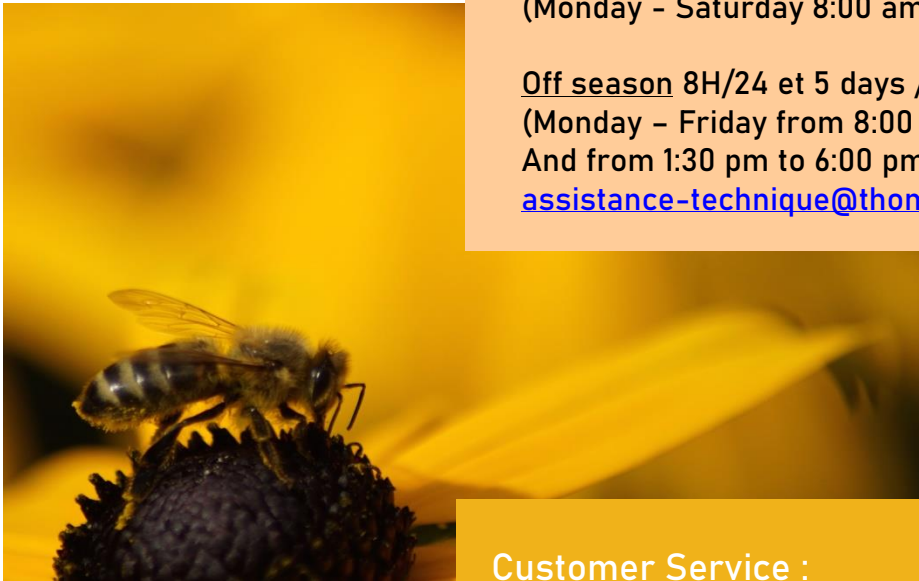
If the problems are still there,
please contact us :

Technical Help:
08 99 25 66 20 (cost: 0,05€/min)

High season 12H/24 and 6 days /7
(Monday - Saturday 8:00 am - 8:00 pm)

Off season 8H/24 et 5 days /7
(Monday - Friday from 8:00 to 12:00
And from 1:30 pm to 6:00 pm)

assistance-technique@thomas-apiculture.com



Customer Service :

02 38 46 88 00
From 8:00 am to 12:00 am
And from 2:00 pm to 5:30 pm
From Monday to Friday
contact@thomas-apiculture.com