

## Single-sawingmachine

The automation of beetanalyzing systems



whit electro motor



whit petrol engine



### Introduction

Venema automation at Groningen (Holland) engages in the automation of production processes in the most diverse industries. Thus for more than 50 years we have manufactured beetanalyzing systems throughout the world. Thanks to our knowhow and experience we are capable of realizing ever more advanced and accurate applications. For Venema innovation is a top priority. In the sugar beet industry this policy has even earned us the position of market leader.

Moreover, we do everything under our management. From design and production to installation and servicing. When you consult the specialist of Venema, you are assured of a perfect solution to your specific automation problem.

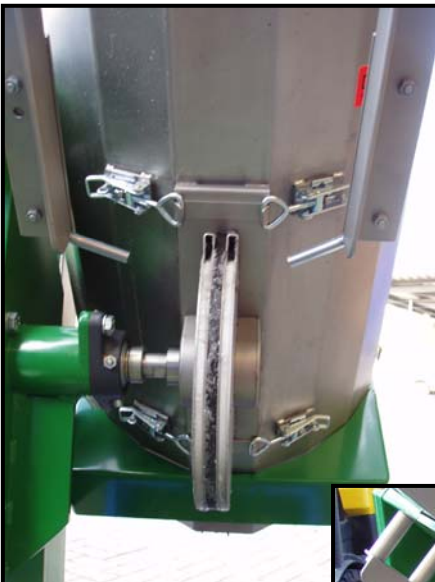
### Invitation.

If you are interested in other Venema products or if you have any question about automation subjects, please do not hesitate to call on us. We love to be challenged!



Venema Automation b.v.  
Stettinweg 14, 9723 HD Groningen  
The Netherlands.  
Tel. : 00 31 50 577 10 20  
Fax. : 00 31 50 571 33 53  
E-mail: [info@venema.com](mailto:info@venema.com)  
[www.venema.com](http://www.venema.com)

# Single-Sawingmachine



## Venema single-sawingmachine.

This single-sawingmachine is based on the so called "single-blade principle"

The saw machine exists from saw compartment, with two saw-blades

The saw machine exists from two controls.

Control 1 - carried out with a petrol engine  
Control 2 - carried out with a electro-motor

The mix arm with chains transports the beets along the saw-blades and take care of a continuous mixing, to get a representative breisample.

The brei which is produced by the saw is collected in a bowl for breimixing.

The saw takes out a representative part of  $\pm$  1% from the beet and mashes it. The pulp is taken to the laboratory with the registration number after extra mixing in the mash mixing track for further treatment.

## Technical specifications:

### By petrol engine

Type motor : Air-cooled 4-cycle single cylinder.  
Output : 3 HP / 3600 rpm  
Oil capacity : 0.6 Liter  
Fuel : Unleaded

### By electromotor

Type motor : Rotor M5.5-2-5RN132-S02-KB3  
Power supply : 230-/400V. 50Hz.  
Consumption : 5,5 kW.  
Saw wide : 2,5 mm.  
Diameter saw : 190-/250 mm.



Venema Automation b.v.  
Stettinweg 14, 9723 HD Groningen  
The Netherlands.  
Tel. : 00 31 50 5771020  
Fax : 00 31 50 5713353

E-mail: [info@venema.com](mailto:info@venema.com)