

Rasper direct drive

SiccaDania rasps are designed to disintegrate the cell walls of the plant material to such extent that the maximum amount of starch is released.

The direct driven SiccaDania rasps require less maintenance than the belt driven rasps. Further their power consumption is slightly lower.

Applications

The typical raw materials that can be processed using the rasps are:

- potatoes
- sweet potatoes
- cassava
- peas
- beans
- sago palm

Milling process

Being the first step in the wet process, the milling performance is crucial. The yield of the rasp determines to a great extent the overall yield of the entire starch operation. Any starch loss in this section is lost forever

SiccaDania rasps are designed to rupture the cell walls so efficiently that the maximum amount of starch from the root is released. The starch granules are locked in the cells of the root together with other constituents and must be released from the cell compound.

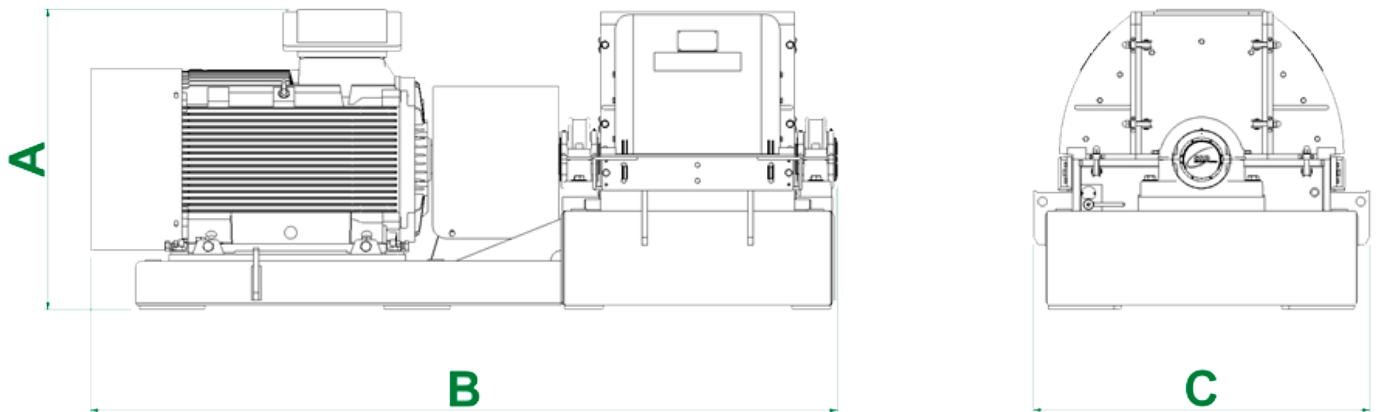
Plant material is forced through a small slot in between a fastly rotating rotor fitted with saw blades and a stationary rasp block where it is desintegrated. The material is held against the rotor by screen plates fitted underneath until it is fully desintegrated and passes through.



Benefits of the Rasp direct drive

- Highest milling efficiency
- Constant and smooth milling performance
- Long saw blades life time
- Best-in-Class durability
- Flexible house mounting
- Automatic accurate alignment
- Easy replacement, service & maintenance
- Heavy load resistant
- Instant saw blade exchange
- Solid clamping
- Easy service and maintenance
- Variable speed adjustment

Technical data



Model	HRD 600DD
A (mm)	1140
B (mm)	2840
C (mm)	1280

Model	HRD 300
Netto load (kg)	4200
Brutto (kg)	4392
Dynamic load (kg)	5710
Capacity potatoes (t/h)	40
Capacity roots (t/h)	22

Equipment

Standard equipment

- Full stainless steel - sustainable and long lifetime
- High speed rotor (2.100 RPM)
- two piece rotor bearing design
- Double cutter block

Optional equipment

- Feed system including:
 - Feed bunker
 - Dosing feed screw conveyors
 - Slide valves
 - Feed weighing system
- Discharge system including:
 - Discharge pumps
 - Inline magnets for steel removal

Rasper belt drive

SiccaDania raspsers are designed to disintegrate the cell walls of the plant material to such extent that the maximum amount of starch is released.

The belt driven SiccaDania raspsers are robust and easily accessible for maintenance and repair.

Applications

The typical raw materials that can be processed using the raspsers are:

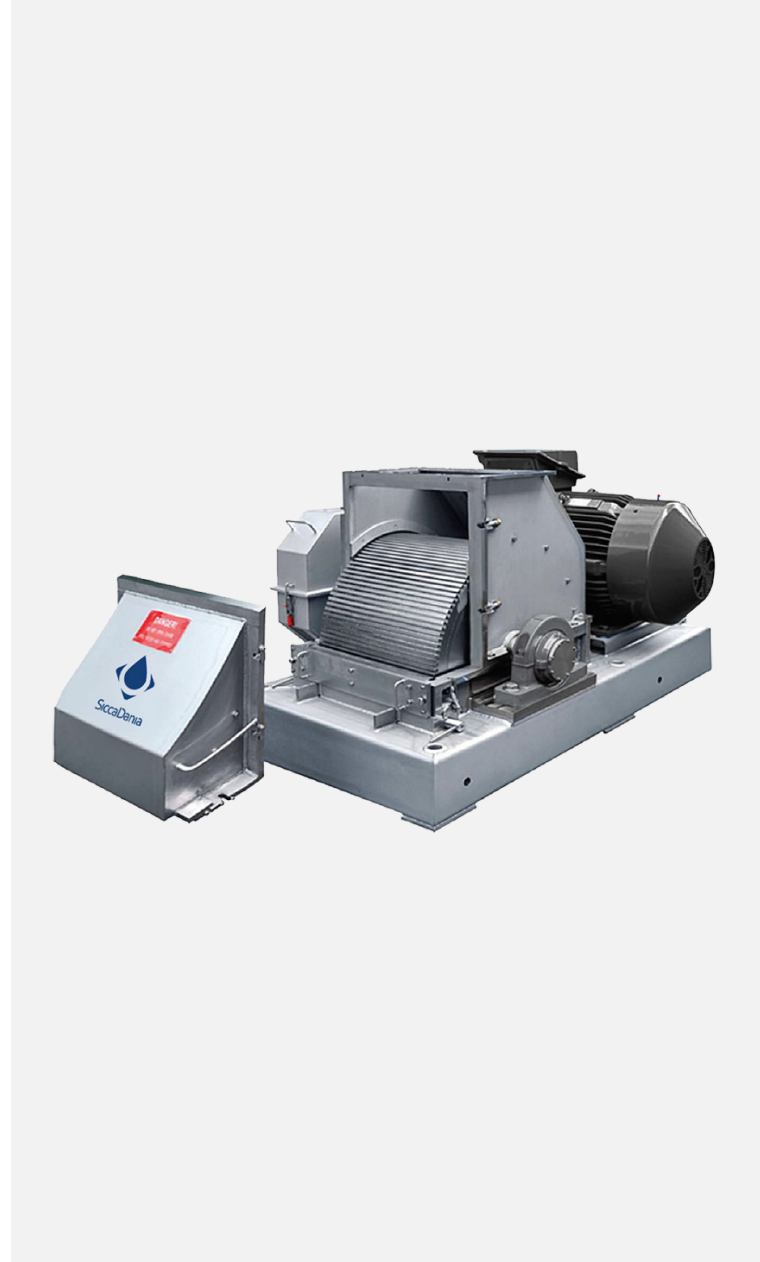
- potatoes
- sweet potatoes
- cassava
- peas
- beans
- sago palm

Milling process

Being the first step in the wet process, the milling performance is crucial. The yield of the raspsers determines to a great extent the overall yield of the entire starch operation. Any starch loss in this section is lost forever.

The starch granules are locked in the cells of the plant material together with other constituents and have to be released from the cell compound. The more thoroughly the cells are destroyed, the better the release of the granules, thus the better the starch yield.

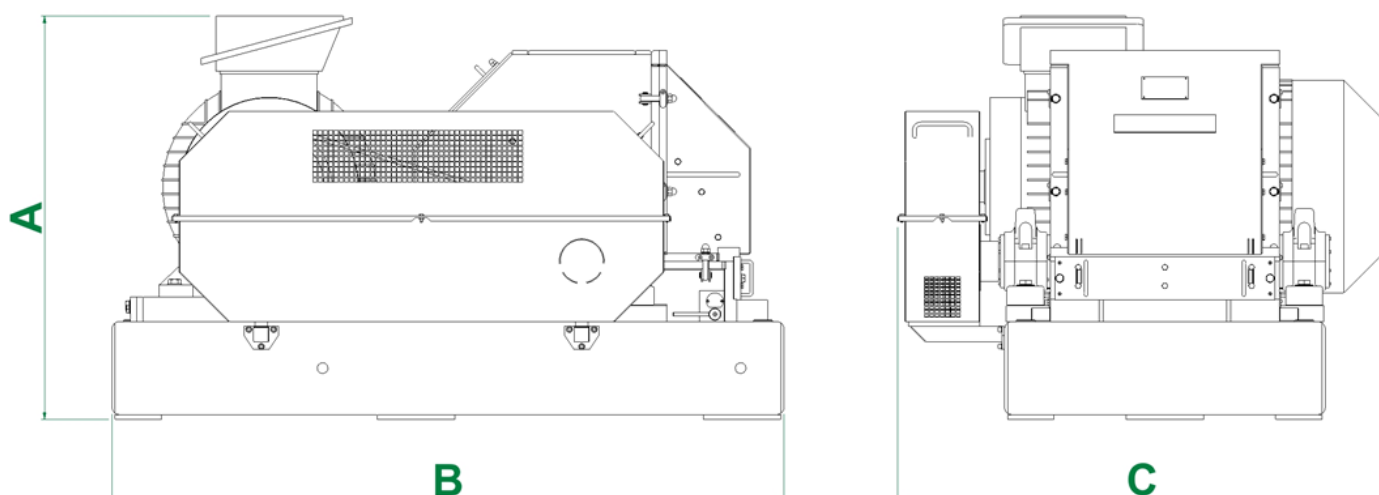
Plant material is forced through a small slot in between a fastly rotating rotor fitted with saw blades and a stationary raspsers block where it is desintegrated. The material is held against the rotor by screen plates fitted underneath until it is fully desintegrated and passes through.



Benefits of the Rasper belt drive

- Highest milling efficiency
- Best-in-Class durability
- Constant and smooth milling performance
- Long saw blades life time
- Flexible house mounting
- Automatic accurate alignment
- Easy replacement, service & maintenance
- Heavy load resistant
- Instant saw blade exchange
- Solid clamping
- Easy service and maintenance

Technical data



Model	HRD 300	HRD 400	HRD 500	HRD 600
A (mm)	1190	1190	1190	1300
B (mm)	2170	2170	2170	2170
C (mm)	1090	1190	1285	1580

Model	HRD 300	HRD 400	HRD 500	HRD 600
Netto load (kg)	3000	3000	3400	3400
Capacity potatoes (t/h)	9	12	30	40
Capacity roots (t/h)	5	12	17	22

Equipment

Standard equipment

- Full stainless steel - sustainable and long lifetime
- High speed rotor (2.100 RPM)
- Two piece rotor bearing design
- Double cutter block

Optional equipment

- Feed system including:
 - Feed bunker
 - Dosing feed screw conveyors
- Slide valves
- Feed weighing system
- Discharge system including:
 - Discharge pumps
 - Inline magnets for steel removal