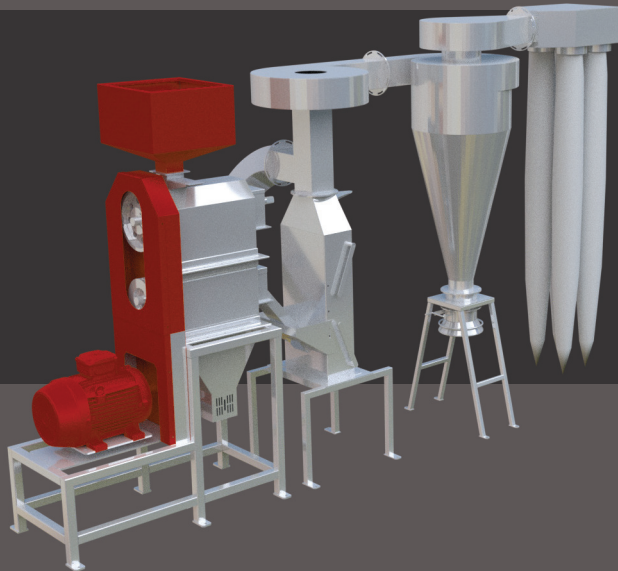


De-germinator 1500

SGD1500



The SGD1500 de-germinator has been designed to be used as a de-germinator for maize and to process conditioned maize into samp, maize chips, germ meal and bran. The machine is unique in that it incorporates a separator running off the same drive. There are 8 de-germing anvil plates of cast iron and with estimated 3- 5,000 ton processing life prior to replacement. All plates are easy to adjust from the outside of the machine by simply lowering the hinged side doors and adjusting the plates for a more or less aggressive action. The outlet door is adjustably spring loaded to allow for longer or shorter retention of maize in the machine. This would depend on the hardness of the maize kernel as well as the extent of processing required. Optionally supplied are two leg aspirators with a 3 kW extraction fan, cyclone, ducting and litter bags where the samp and bran from the de-germinator is separated in one aspiration leg while the chips

and bran is separated in another aspiration leg. The germ meal and fine bran is screened out with the turbo sifter included as part of the machine. This robust machine has also found application in de-hulling soy beans prior to extrusion, to a capacity in excess of 1.5 tons per hour. Approximately 1,200 - 1,500 kg per hour

Spare parts & Consumables:

Bearings
V-belts
Anvil plates
Sifter screens
Sifter paddles

Three discharges germ meal, samp, chips. Aspiration recommended for separating bran from samp and chips. Aspiration not included and must be quoted additionally.

Dynamically balanced rotor
Easily changeable screens - screens size standard 4 - 6mm
Enclosed dust free unit with Turbo sifter (2 - 3mm) below
De-germinator to separate germ meal
Technical specifications may be altered without notice. All capacities

FEATURES:

- Horizontal design, comprising of:-
- Fully enclosed, dust free operation
- Dynamically balanced rotor
- Easy exchangeable anvil plates - long life
- Easily exchangeable screens
- Single motor drives both machines
- Low power consumption - 14 Amps
- Guarantees low fat and fibre
- Throughput 1.0 to 1.5 t/h Maize

| | |
|-----------------|--------------------------------|
| Size of Intake: | 100 mm Dia. Hopper Optional |
|-----------------|--------------------------------|

| | |
|------------------|------------|
| Size of Outlets: | 100 mm Dia |
|------------------|------------|

| | |
|-------------------------|---|
| Number of anvil plates: | 8 |
|-------------------------|---|

| | |
|---------|--------|
| Length: | 1320mm |
|---------|--------|

| | |
|--------|-------|
| Width: | 588mm |
|--------|-------|

| | |
|---------|--------|
| Height: | 2800mm |
|---------|--------|

| | |
|-------|-------|
| Mass: | 556kg |
|-------|-------|

| | |
|-------------|---------|
| Motor size: | 18.5 kW |
|-------------|---------|

| | |
|--------|-----------------|
| Mount: | (Foot / Flange) |
|--------|-----------------|

| | |
|------|----------|
| Rpm: | 1450 RPM |
|------|----------|

All motors are 3 phase 380 V Volt, 50 Hz unless otherwise indicated

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Maize Degermination System
with approximate yields of hard WM1 maize
Capacity: 1.2 - 1.5 t/h
Power: 18.5kw

