



caleva

TECHNICAL SPECIFICATIONS

# VARIABLE DENSITY EXTRUDER VD-TSE70

## A COMPONENT OF THE 150 KG PER HOUR SPHERONIZATION SYSTEM



### THE CALEVA PRODUCTION AND PILOT SCALE EXTRUDER VD-TSE70

#### Output range

50 to 200 kg / hr

#### Mechanical information

- Size** Approximately 900w x 1500h x 700d mm
- Weight** Approximately 400 Kg
- Cabinet** Brushed type 304 Stainless Steel
- Extrusion bore** 70 mm diameter
- Product Contact** 316 stainless steel  
FDA food approved plastics
- Screw speed** 30 to 100 rpm
- Operating torque** Nominal 427 Nm
- Product feed** Manual with 25 l capacity loading tray
- Product output** Extrudate density can be modified using additional dies
- Discharge height** 540 mm

#### Electrical information

- Motor power** 4.8 kW AC motor
- Electrical supply** 400VAC 50Hz or 460VAC 60 Hz 3 phase
- Controls** Mounted on swivel pendant
- Information panel**
  - Product temperature (Deg C)
  - Rotational speed (RPM)
  - Motor load (%)

#### Other features

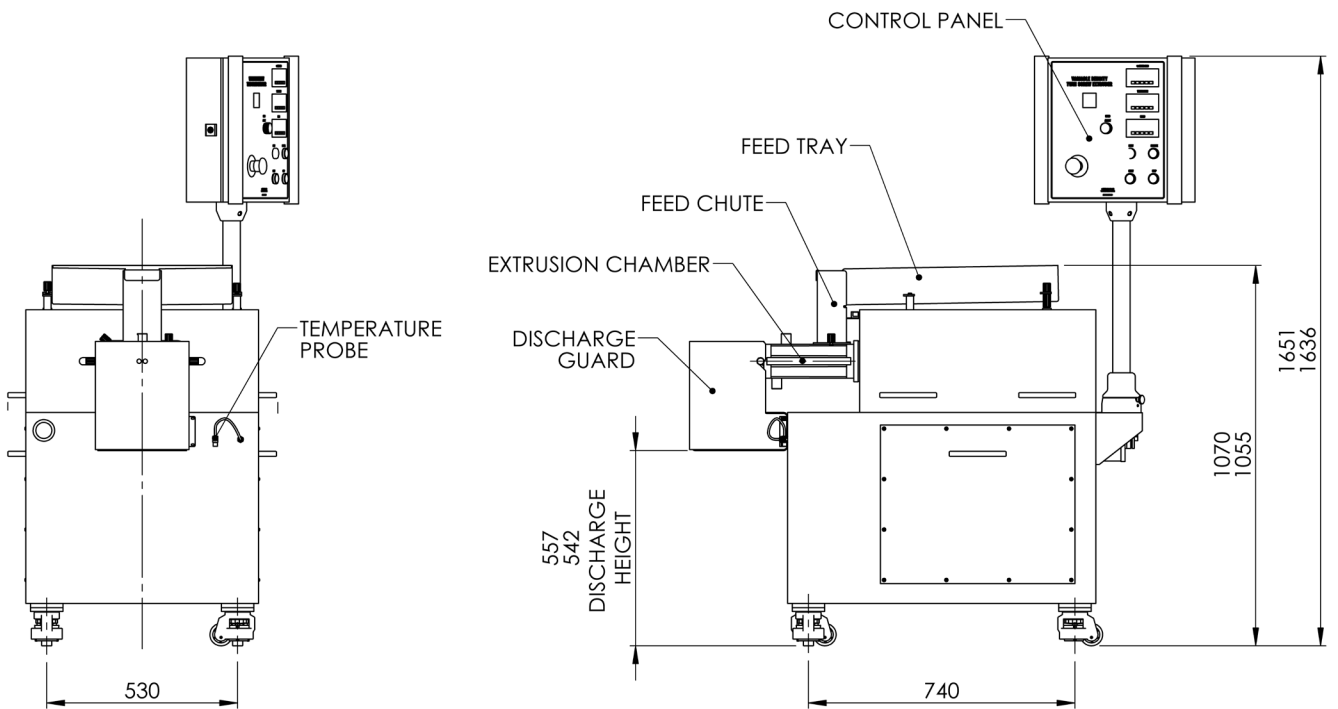
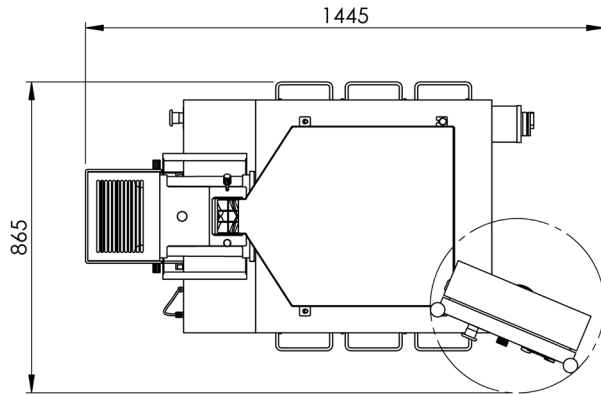
- Die configurations** Axial and Caleva Cone™ systems
- Die hole range** 0.5 to 8.0 mm (axial)  
1:1 to 4:1 diameter:length  
0.5 to 1.0 mm (Caleva Cone™)
- Safety** Fully safety interlocked
- Water Jacket** On screw chamber
- CE marking** As standard



CALEVA  
**150 KG PER HOUR EXTRUDER AND SPHERONIZER PRODUCTION SYSTEM**  
**EXTRUDER VD-TSE70**

CALEVA  
**EXTRUDER VD-TSE70**

General arrangement diagram  
 Weight approximately 400 kg



**TALK TO US**

Please call us without obligation

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Cert No. 1503  
 ISO 9001

Ver 70523



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TECHNICAL SPECIFICATIONS

# SPHERONIZER 700

A COMPONENT OF THE 150 KG PER HOUR SPHERONIZATION SYSTEM



## THE CALEVA PRODUCTION AND PILOT SCALE SPHERONIZER 700

**Operating capacity** 150 kg per hour

**Batch sizes** 2 kg to 15 kg

### Mechanical information

**Size** Approximately 1725w x 2162h x 800d mm

**Weight** Approximately 320 Kg

**Cabinet** Brushed Type 304 Stainless Steel

**Product Contact** 316 stainless steel and polycarbonate

**Standard disc** One 3mm cross hatch pattern spheronizer disc supplied as standard with other disc patterns available

**Product feed** Manual

**Product discharge** Manual / Automatic (operator selectable)  
"Air blast technology" to assist in the cleaning of the discharge door, particularly useful for continuous operation

**Discharge height** 991 mm

### Electrical information

**Motor power** 7.5 kW AC motor

**Electrical supply** 380-460 VAC, 50-60 Hz, 3 ph, 5.5 A

**Controls** Mounted on swivel pendant box

**Information panel** - Product temperature (Deg C)

- Rotational speed (RPM)

- Run time remaining (Seconds)

- Motor load (%)

### Other features

**Disc pattern** 3x3 mm cross hatch (options available)

**Disc removal** Integrated machine powered plate lifting

**Safety** Fully safety interlocked

**Discharge** Fully automatic pneumatic door

**Water Jacket** As standard

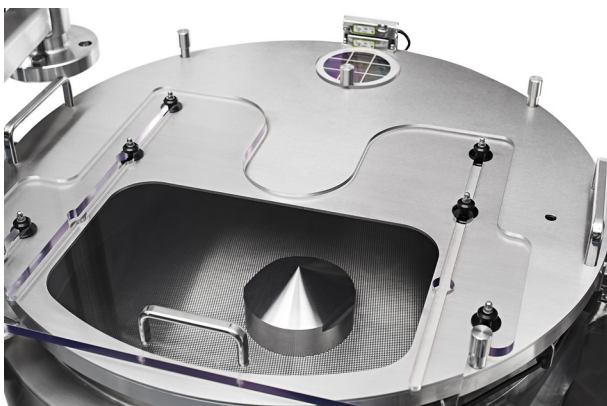
**Automatic timer** As standard

**Air blast cleaner** As standard

**CE marking** As standard

**Fines air** As standard

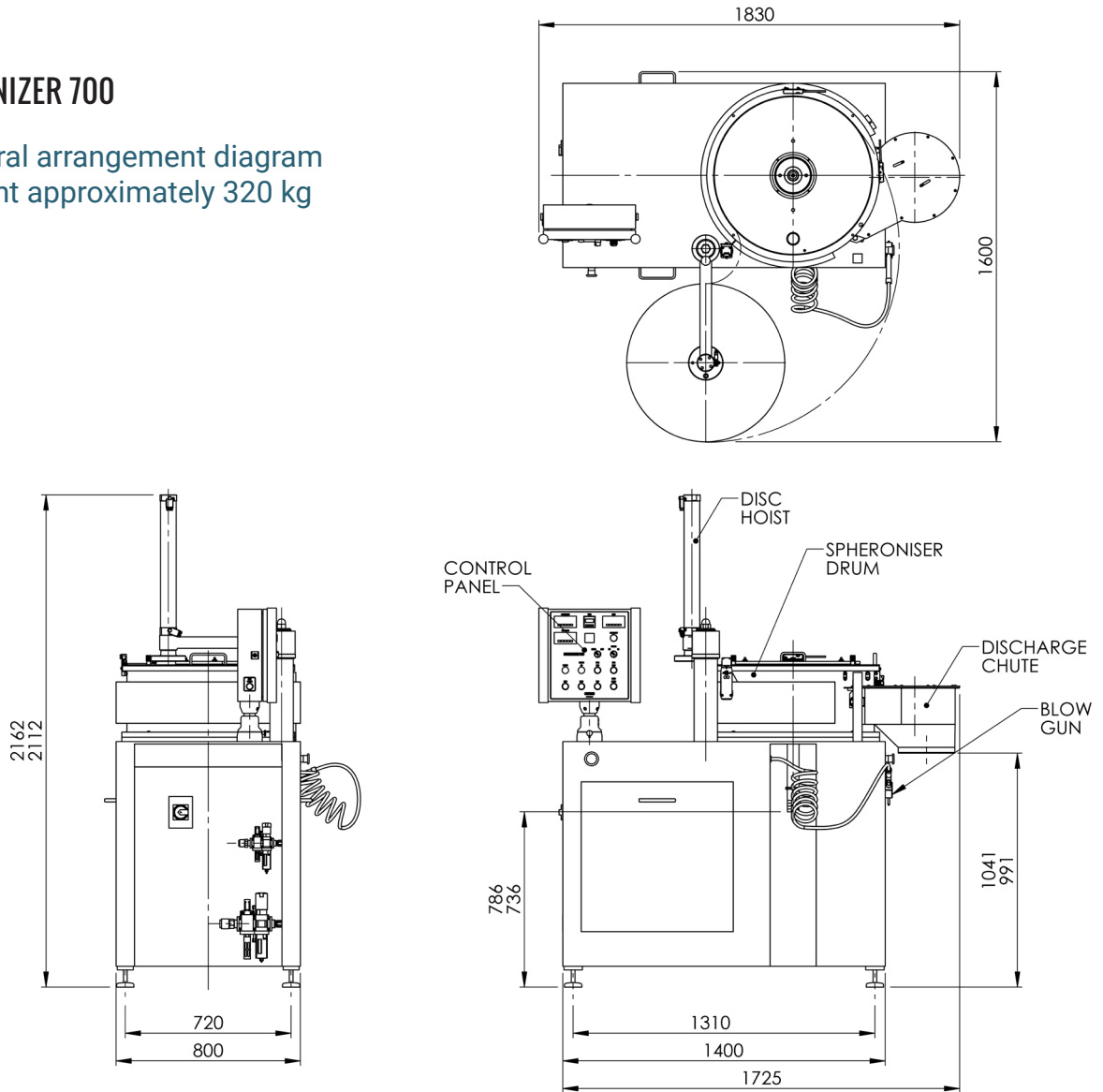
**Discharge chute** Round design with angular discharge



CALEVA  
**150 KG PER HOUR EXTRUDER AND SPHERONIZER PRODUCTION SYSTEM**  
**SPHERONIZER 700**

CALEVA  
**SPHERONIZER 700**

General arrangement diagram  
 Weight approximately 320 kg



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