

VARIABLE DENSITY TWIN SCREW EXTRUDER



A COMPONENT OF THE CALEVA 150 KG
PER HOUR SPHERONIZATION SYSTEM

THE CALEVA PRODUCTION AND PILOT SCALE EXTRUDER VD-TSE70



Caleva production Variable Density
Twin Screw Extruder

Output range	50 to 200 kg / hr
Mechanical information	
Size	Approximately 865w x 1636h x 1445d 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 20 A
Controls	Mounted on swivel pendant
Information panel	- Product temperature (°C) - Rotational speed (RPM) - Motor load (%)
Other features	
Die configurations	Axial and "Caleva Cone" configurations Caleva Cone = an advanced die design giving increased output and improved die durability
Die hole range	Ø 0.5 to 8.0 mm 1:1 to 4:1 diameter:length (axial configuration) Ø 0.5 to 1.0 mm (Caleva Cone configuration)
Safety	Fully safety interlocked
Water jacket	On screw chamber
CE marking	As standard

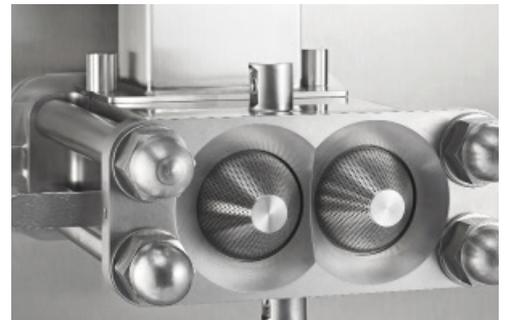
Axial configuration with 1 mm die holes



Axial configuration with 8 mm die holes



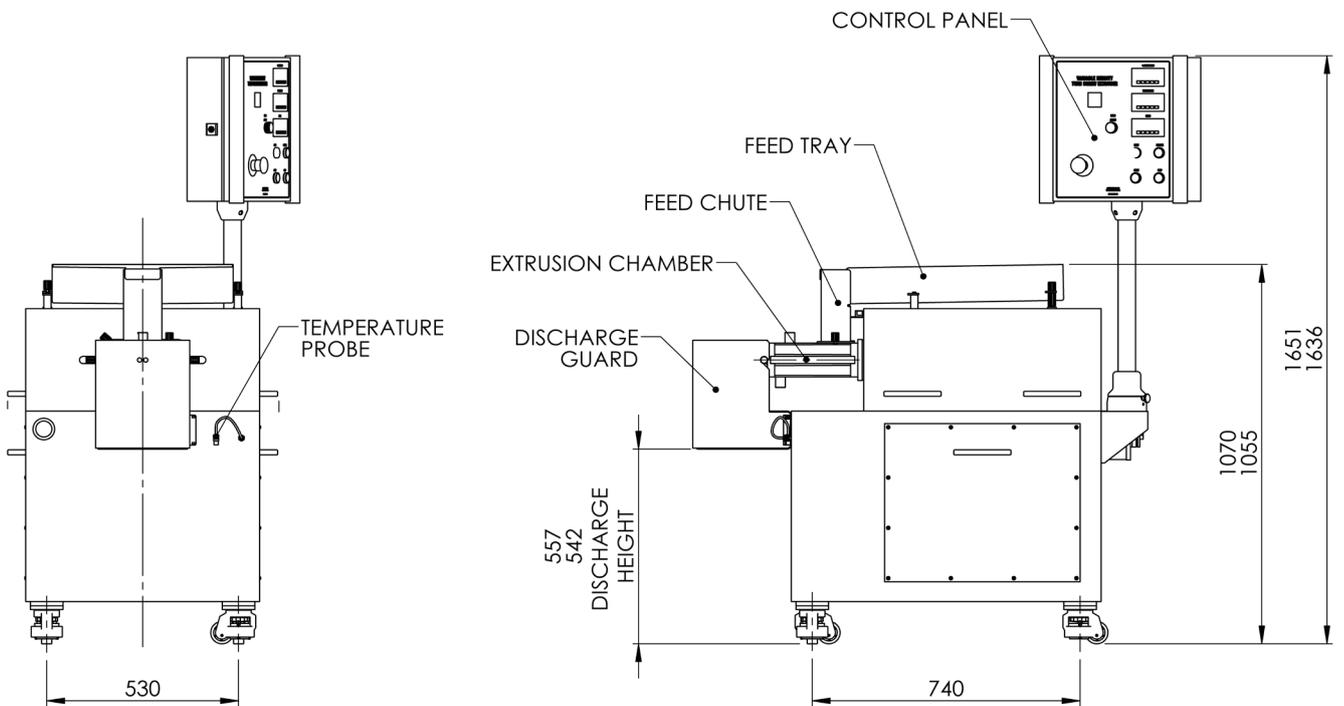
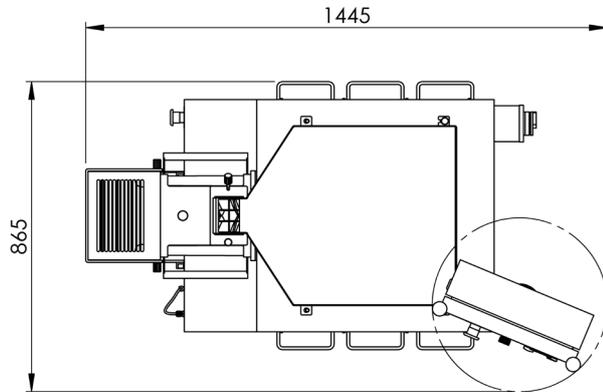
"Caleva Cone" configuration with 1 mm die holes



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 90301

SPHERONIZER 700



TECHNICAL SPECIFICATIONS

A COMPONENT OF THE CALEVA 150 KG PER HOUR SPHERONIZATION SYSTEM

THE CALEVA PRODUCTION AND PILOT SCALE SPHERONIZER 700



Caleva production 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 700 Kg
Cabinet	Brushed type 304 stainless steel
Product contact	316 stainless steel and FDA approved plastics
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	400VAC 50Hz or 460VAC 60 Hz 3 ph 25 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 disc 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 (angular discharge >120°)



Production spheronizer disc removal system

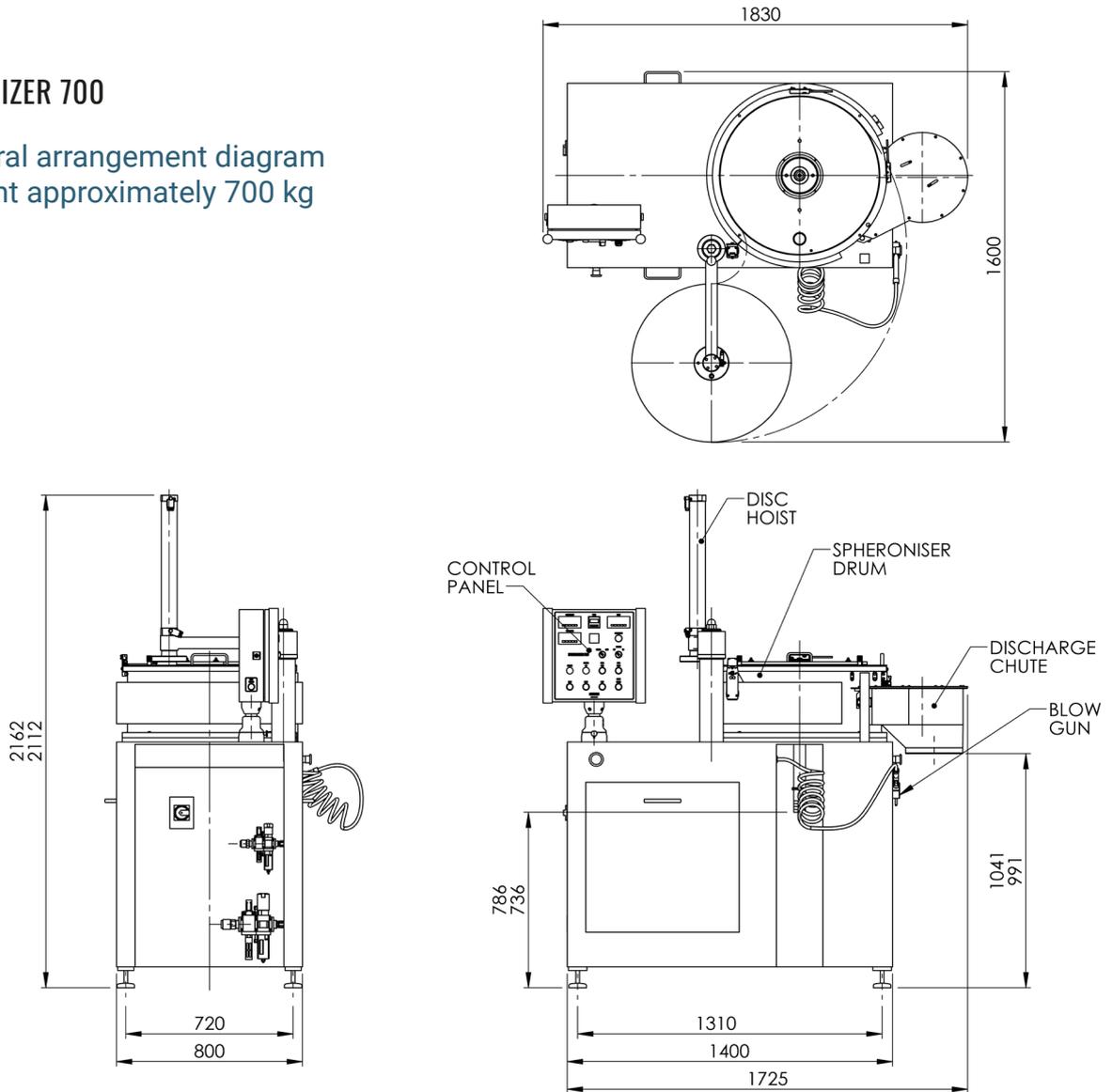


"Clean without stopping" spheronizer air blast system

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

CALEVA
SPHERONIZER 700

General arrangement diagram
 Weight approximately 700 kg



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