



caleva

PRODUCT INFORMATION SHEET

LABORATORY

CALEVA

MULTI-LAB

Batches up to 50 g for **Teaching** and **Research**

PRODUCT INFORMATION

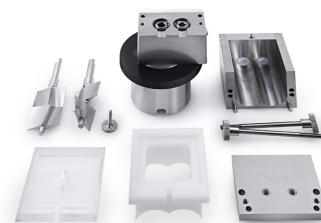
One machine, three processes



Spheronizer



Extruder



Mixer / Granulator

CALEVA
MULTI-LAB FOR TEACHING - PRODUCT INFORMATION



Imagine a granulator, extruder and spheronizer in a single small unit

Use up to a 50 g batch size for your teaching and research

From powder to pellets in 30 minutes on your benchtop



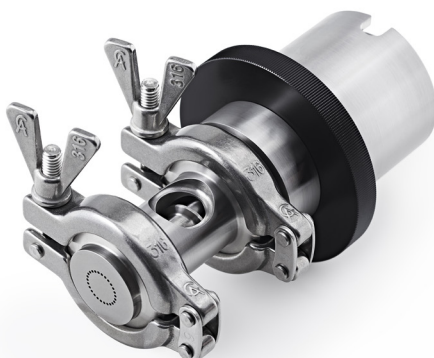
A range of bowl sizes and mixing blade configurations are available.

Ask us which is the most suitable for your application.

DESCRIPTION

The Caleva Multi Lab (CML) incorporates a granulator, extruder and spheronizer within an “all-in-one” compact and robust unit. Not only can it save valuable laboratory bench space, but it has the capacity of demonstrating process efficiency by operating with batches between 15– 50 g which is invaluable when working with scarce or expensive materials often used in product development trials.

By offering all three processes as separate detachable options, it means that you will only have to expend valuable and scarce funding on the specific application you need today; with the knowledge that should your research terms change in the future, you are able to simply add another component, instead of another complete system.



Extruder die hole diameters from 0.5 mm to 3 mm.

Extruder die hole depths from 0.5 mm to 8 mm

DO YOU WANT TO INTRODUCE PELLET RESEARCH AND PRODUCTION IN YOUR UNIVERSITY COURSES?

- This is your best option for a granulator, extruder & spheronizer on a single base unit
- Use batches up to 50 g whilst saving your bench space and offering you a high level of flexibility for your student groups
- You can cost-effectively demonstrate pellet formulation development to your students
- Represents a sound use of your available funds
- Offer your students a demonstration of pellet manufacturing processes and allow them to do trials

CAN BE USED BY INDIVIDUALS OR BY GROUPS

- Offers you a coherent approach to the processes involved in pellet development and production
- Works with small batches and can do multiple trials quickly
- Let all your students take part for a better learning experience
- Allow your student groups to test the relationship between formulations and processes



YOU CAN DEMONSTRATE AN INDUSTRIAL APPLICATION IN A LEARNING ENVIRONMENT

- Your students will work with similar batch sizes
- They will not waste rare or expensive product
- Ideal to allow you to offer contract research services to industrial partners. How can we help?

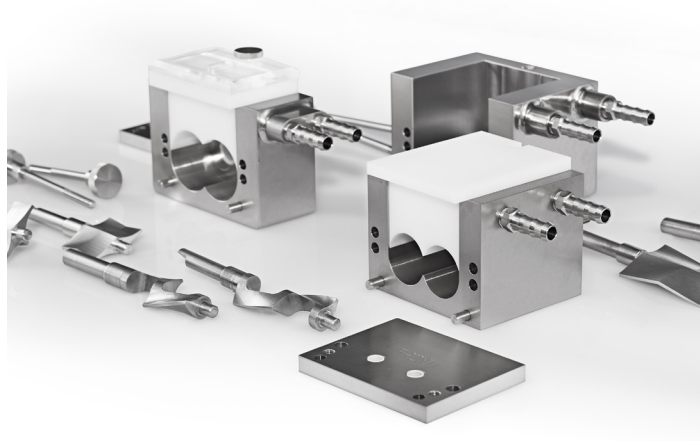
- ✔ You will save benchtop space, time and your expensive materials

REDUCE YOUR BENCHSPACE REQUIREMENT BY 70%

- Offers best use of your benchtop space
- You will have a safer and more efficient working environment
- “Tool-Less Technology” reduces cleaning time and increases interaction of your students

“FUTURE PROOF” BUDGET PLANNING

- Only purchase the elements you plan to use today
 - Allows you further application growth in the future without excessive equipment costs
 - Optimal use of your available funds
- ✔ Do you offer courses in pharmacy, pharmaceutical science, chemical engineering, separation engineering or related subjects?
 - ✔ This bench top unit may be a suitable part of your course
 - ✔ **Talk to us!**



TALK TO US

Please call us without obligation

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Cert No. 1503
ISO 9001