

TAKE THE SPHERONIZATION CHALLENGE



caleva

Helping customers develop and  
manufacture pellets and extrudate for  
more than 50 years

TALK TO US

+44 (0) 1258 471122

[info@caleva.com](mailto:info@caleva.com)

[www.caleva.com](http://www.caleva.com)



# THE CALEVA MULTI LAB FOR RESEARCH, TEACHING AND THE DEVELOPMENT OF PELLETS, EXTRUDATE AND MIXING OF SMALL SAMPLES

Granulator - Extruder - Spheronizer

**ALL-IN-ONE**

on the bench-top



Spheronizer



Extruder



Mixer / Granulator

- ✓ Work with up to 50g batch size - **save costly product and time** with easy, fast cleaning
- ✓ For both Teaching and Research - **flexible** multi use equipment
- ✓ Reduce the need for bench-top space and reduce the use of expensive or scarce product  
Are you **short of bench space?**
- ✓ Caleva **experience and support** - work with the best in the business!
- ✓ The caleva CML is your most **cost effective** choice for pellet development in the laboratory

**From powder  
to pellets in  
less than 30  
minutes**

TALK TO US

+44 (0) 1258 471122

info@caleva.com

www.caleva.com

**YOU TOO WILL HAVE CONFIDENCE THAT WE CAN BE  
YOUR PARTNER IN DEVELOPMENT AND PRODUCTION**

## OTHER LABORATORY EQUIPMENT FOR THE DEVELOPMENT OF PELLETS



### Multi-bowl Spheronizer, use the correct bowl size for your batch

- Unique ability to change bowl sizes to be appropriate for your batch size
- Batches from 150 grams to 1.5 kg on the bench-top
- Versatile to give flexibility and save you money



### Variable Density Extruder, Extrudate with different densities

- Control the density of the extruded product
- Increase the number of possibilities that you can investigate
- Increase drug loading in a single dosage unit
- A wide range of hole sizes and depths available



### Bench-top screen Extruder 20 Use the right screen height for your batch size

- Different screen heights appropriate for different batch sizes
- Maximize productivity by easy screen change and clean
- Drilled screen holes (not punched) for maximum extrudate repeatability
- A wide range of different screen hole sizes available

**TEST YOUR PRODUCTS WITH US IN OUR TESTING LABORATORY WITH THE SPHERONIZATION CHALLENGE**

# DEVELOP FORMULATIONS FASTER WITH ADDITIONAL SPECIALIST LABORATORY EQUIPMENT FROM CALEVA



## Mixer Torque Rheometer -3 (MTR-3) Quantify Wet Mass Consistency

- Reduce your formulation development time?
- Confirm that products from different suppliers behave in the same way in your formulations
- Monitor small samples taken from production batches from your granulator for quality control and scale up

With the MTR-3 you are able to quickly, and accurately characterize the consistency of your wet-mass

Still using the  
Hand Squeeze Test?  
Is this acceptable in the  
21st century?  
Is it still the Best Way?



## Mini Coater Dryer Tablet, pellet and capsule coating

- Coat a few grams of pellets or as little as a single tablet or capsule
- Tablet batches up to 150 grams
- Pellet batches up to 60 grams

**Designed for early stage development trials saving time and valuable or scarce product**

**TALK TO US**  
**+44 (0) 1258 471122**  
**info@caleva.com**  
**www.caleva.com**



# FLEXIBLE PRODUCTION EQUIPMENT FOR YOUR PROCESS

The Caleva Variable Density Twin Screw Extruder 70 (VD-TSE70)  
The Caleva Advanced Spheronizer 700 (Sph 700)



- ✓ Powerful production machine with superior design and build for your reliable production needs
- ✓ Production up to 150 kg per hour
- ✓ Rapid turnaround for re-use
- ✓ "Variable Density" production on a commercial scale
- ✓ Ask us about the advanced features available with these machines

**A flexible  
and modern  
Extrusion and  
Spheronization  
system for your  
production  
requirements**

**TALK TO US**  
+44 (0) 1258 471122  
info@caleva.com  
www.caleva.com

**LET US HELP YOU MAKE THE RIGHT EQUIPMENT  
CHOICES TO GET THE RESULTS YOU WANT**

# SOME OF THE COMPANIES THAT HAVE DEMONSTRATED THEIR TRUST IN CALEVA BY WORKING WITH US



We work world-wide with these industry sectors:-

**Agriculture, Aquaculture, Biotechnology, Catalyst, Ceramics, Cosmetics, Detergents, Food, Neutraceuticals, Pharmaceuticals**

Ver. 80925



ISO 9001:2015  
Cert. No. 1503

**TEST YOUR PRODUCTS WITH US IN OUR LABORATORY  
WITH THE SPHERONIZATION CHALLENGE**