

Which Spheronizer is suitable for your needs?

Machine	Spheronizer 120	Multi Bowl Spheronizer	Spheronizer 380	Spheronizer 500	Spheronizer 700	Spheronizer 700 Twin
Special suitability	For general R&D or teaching work with small quantities rare and expensive development compounds.	For R&D with the capacity for small scale batch production. Suitable for scale up studies.	Pilot plant or production machine tailored to individual requirements. Manual or automatic control available.	Production machine tailored to individual requirements. Manual or automatic control available.	Production machine tailored to individual requirements. Manual or automatic control available.	Large scale production machine. Custom designed and built in collaboration with the customer
Minimum load	10g	1g	0.5kg	1kg	2kg	
Maximum load	150g	1kg	4kg	10kg	20kg	
Qty/hour (guide only)	N/A	10kg/hour	50kg/hour	100kg/hour	150kg/hour	300-600kg/hr
Ideal companion equipment	<ul style="list-style-type: none"> Mixer Torque Rheometer. Extruder model 20 with reduced height screens Mini screw extruder 	<ul style="list-style-type: none"> Mixer Torque Rheometer. Extruder model 20 Mini screw extruder 	<ul style="list-style-type: none"> Mixer Torque Rheometer. Extruder model 40 or model 35 depending on material specification and characteristics 			
Discs available	<ul style="list-style-type: none"> Cross hatch patterns available from 1x1 to 6x6 mm pattern available in 1mm increments. Radial disc available. PTFE and other coatings are available on request. 					
Typical spheroid size	Controlled by the extrusion process and equipment. Typical range 0.8 to 3.0 mm (0.5mm is possible)					
Construction material	Cabinet in 304 stainless steel					
Contact parts construction material	316 stainless steel and FDA approved plastics					
Disc speed range	To 1800 rpm	200 – 3000 rpm	200 – 1500rpm		0200– 1000 rpm	
Motor power	95W	150W	2.2kW	3.5kW	7.5kW	
Dimensions	250x200x450 mm	500x300x520 mm	950x700x1150 mm		800x1340x1350 mm	Custom design
Weight	Approx 10kg	Approx 45kg	Approx 360kg depending on specification		Approx 1000kg depending on specification	Custom design
Electricity supply	Single phase, voltage to customer requirement		3 phase, voltage to customer requirement			
Available certification	Technical Construction File supplied with each machine. Each machine carries a sticker of CE conformity. Full pharmaceutical IQ/OQ documentation packages available.					
Timing control	Manually set and controlled by the user		Manual and automatic according to customer requirement at time of order			
Speed control	Manually set and controlled by the user		Manual and automatic according to customer requirement at time of order			
Comment	Our lowest cost spheronizer	The ideal R&D machine	Built to specific customer requirement regarding bowl placement, control placements, level of automation etc.			

It is the policy of Caleva to continuously improve our equipment. We reserve the right to change the above specifications without notice. Apparatus can often be made to customer specifications and can incorporate specific customer needs. Call us (+44 1258 47 11 22) and discuss your specific needs or visit our web site at www.caleva.co.uk