

Which extruder is suitable for your needs?

| Machine | Mini screw extruder | Extruder 20 | Extruder 35 | Extruder 40C M | Extruder 40C A | Extruder 100 or larger |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Special suitability | <ul style="list-style-type: none"> •For the screw extrusion of very small amounts of material. •Extrude very small amounts of material. •Suitable for GLP and clinical trials and production. | <ul style="list-style-type: none"> •A bench top extruder for research and small scale development batch production. •Low pressure extrusion of experimental materials where the product is not worked excessively. | <ul style="list-style-type: none"> •A floor standing screen extruder. •Designed as a low cost and efficient screen extruder for production use. •Automatic loading option available. | <ul style="list-style-type: none"> •A manually operated gear extruder for small scale production and production trials. •Specially suitable when high quality wet extrusion is required. | <ul style="list-style-type: none"> •Similar to the 40C M but with automatic controls. | <ul style="list-style-type: none"> •A larger production machines ideally suited for materials that should not be excessively “worked” during extrusion. •Can be custom designed and built to fit existing operations. |
| GMP compatible | Yes | | | | | |
| Minimum load | 5g | 100g | 1kg | | 2kg | |
| Maximum capacity | Approx 30g in 5 min | Approx 1kg in 3 min | 20 –180kg/hr | 40kg /hr | | > 100kg/hr |
| Companion equipment | <ul style="list-style-type: none"> • Spheronizer 120 • Multi bowl spheronizer optional with inserts | <ul style="list-style-type: none"> • Spheronizer 120. • Multi bowl spheronizer | <ul style="list-style-type: none"> • Spheronizer 380 • Spheronizer 500 | | | <ul style="list-style-type: none"> • Spheronizer 700 or 700 Twin |
| Typical extrudate size | Variable to customer needs but a typical range would be from 0.7 to 3.0 mm | | | | | |
| Construction material | 304/316 stainless steel and polypropylene | 304/316 stainless steel and polypropylene | Cabinet in 304 stainless steel | | | |
| Contact parts material | 316 stainless steel and FDA approved plastics | | | | | |
| Motor power | 180W | 180W | 2.2 kW | | 7.5 kW | |
| Dimensions | 300x530x350mm | 300x530x350mm | 500x700x1000mm | 1000x480x1000mm | | Depends upon configuration |
| Weight | 25kg | 25kg | 120kg | 230kg | | Approx 1000kg |
| Available certification | Technical Construction File and CE sticker are supplied with each machine. Full pharmaceutical documentation package available if required. | | | | | |
| Timing control | Manual on/off | Manual on/off | Manual | | Automatic | |
| Speed control | User set between 20 and 150 rpm | Variable set by user , approx 100rpm | | | | |

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. If what you want is not here call us (+44 1258 47 11 22) and discuss your specific needs or for the latest information email Steve at info@caleva.co.uk.