GP100-C-SC Imploder & Screener



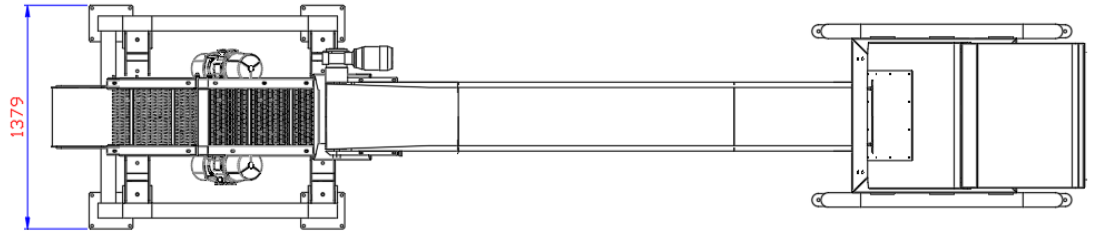
The GP100-C-SC has been developed to provide a high-speed, efficient and repeatable processing solution for pilot-scale commercial applications. The unique Implosion process induces momentary vibration within vitreous materials such as glass, ceramics, slag, flux and similar minerals, reducing the target material whilst minimising breakage of non-vitreous contaminants. Rotor speeds and recirculation settings can be adjusted to suit different feed materials and optimise product yield, providing accurate, repeatable particle size analysis whilst eliminating the need for separate downstream screening equipment.

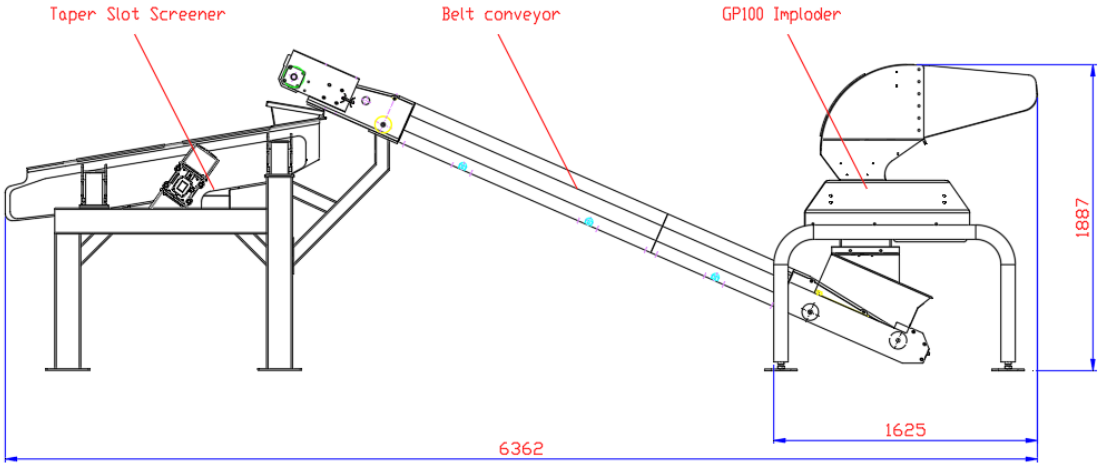
Following the Implosion process, the material is discharged directly onto a chevron flighted belt conveyor which is driven by a motor gearbox and having a tracking system at its base, material is discharged from the conveyor to a Taper Slot Screener where it is automatically classified into three product fractions: glass <5 mm, 5–15 mm and >15 mm.

Designed for ease of installation and maintenance, the GP100-C-SC features large inspection doors to the Imploder feed chamber providing excellent access to the Imploder for routine servicing. The system requires minimal site wiring, with most electrical connections completed at the factory, and is protected by a zinc phosphate primer and durable polyurethane powder-coated finish, ensuring a long operational life in demanding industrial environments while delivering a compact, integrated feed, processing and screening solution.

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Information





Voltage:	380/415v 3ph 50Hz
Power:	*Imploder* 5kW (7.5hp)
	Conveyor 3kW (4.2HP)
	Screener 2x 0.52kW (0.7HP)
Safety:	Brush & rubber feed curtain
Protection:	Auto reject mechanism
	Adjustable spring tensioners
Capacity:	Up to 1000kg/hr
Rotation :	Visual

Drive:	2x 3x V belt
Process tips:	Tungsten tipped
Rotor speed:	1450-2600rpm
Wear plates:	Abro 500
Cullet range:	Size 1 – 5mm
	Size 2 – 5-15mm
	Oversize - >15mm
Dimensions:	Length – 6362mm
	Height – 1877mm
	Width - 1379mm

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