GPK300-C-SC Imploder & Screener



The GPK300-C-SC has been developed to provide a high-speed, efficient and repeatable processing solution for commercial applications where dump loading from a bin lift, trip skips or Bobcat is required. The GPK300 Imploder has an integrated feed tray for metering the feedstock to the feed chamber where the 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.

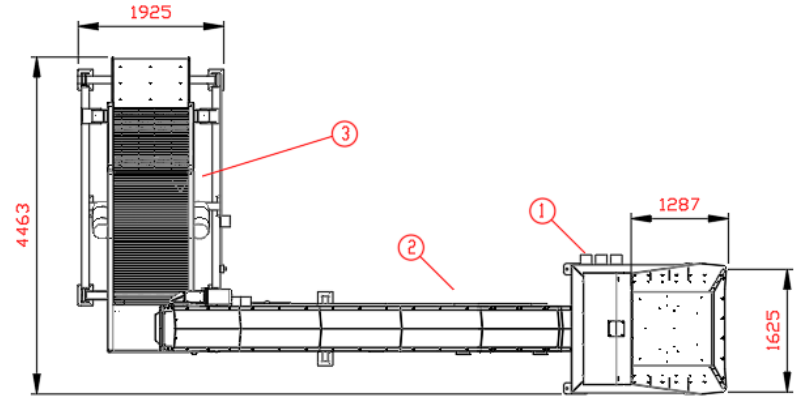
Following the Implosion process, the material is discharged directly onto a chevron flighted belt conveyor which is driven by a motor gearbox and having a tracking system at its base, material is discharged from the conveyor to a Taper Slot Screener where it is automatically classified into three product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

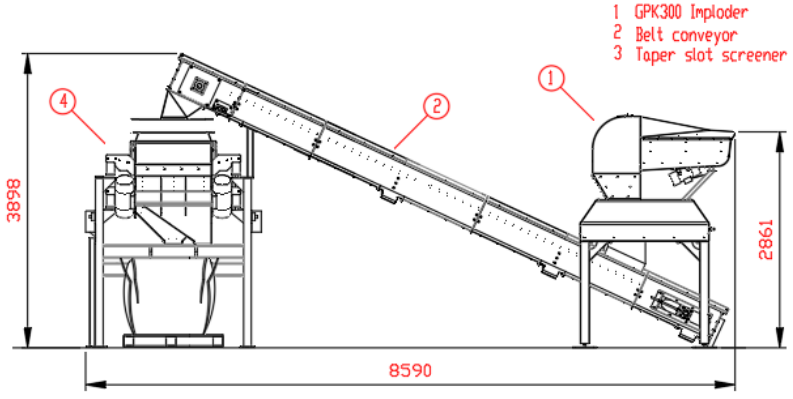
Designed for ease of installation and maintenance, the GP300-C-SC features large inspection doors to the Imploder feed chamber providing excellent access to the Imploder for routine servicing. The system requires minimal site wiring, with most electrical connections completed at the factory, and is protected 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 7.*5kW (10hp)

Conveyor 3kW (4.2HP)

Screener 2x 3.6kW (4.8HP)

Safety: Brush & rubber feed curtain

Protection: Auto reject mechanism

Adjustable spring tensioners

Capacity: Up to 3000kg/hr

Rotation **:** Visual

Imploder Drive: 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 – 8590mm

Height – 3898mm

Width - 4463mm

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