

Tritura Vertical-Shaft Impactor[™]

Exceptional Performance in Material Crushing

TerraSource Global's Tritura Vertical-Shaft Impactor[™] (VSI) is engineered to optimize aggregate production, delivering unmatched performance and profitability. Designed for high-efficiency sand manufacturing and aggregate processing, the Tritura VSI[™] is a game-changer in material reduction technology.

Unlike compression-based crushers, the Tritura VSI[™] utilizes a high-speed rotor and anvils to harness impact force for size reduction. This method accelerates material using centrifugal force, propelling it against an anvil ring to create consistent cubical-shaped output—ideal for Superpave highway asphalt applications. The rotor speed (feet per minute) precisely controls final particle size, ensuring a tailored product for diverse applications.

Key Advantages of the Tritura VSI[™]

- **High Cubical Fracture Percentage** – Maximizes first-pass product yield, reducing waste and enhancing efficiency.
- **Superior Particle Size Distribution** – Produces uniform, high-quality aggregates for road construction and asphalt applications.
- **High-Throughput Capacity** – Optimized for beneficiation by eliminating soft materials while processing highly abrasive materials.
- **Adaptable & Easy to Maintain** – Quick adjustments to product size via rotor speed or cascade ratio, with some models featuring reversible wear parts for reduced downtime.
- **Low Operating Costs** – Even in high-moisture environments, the VSI operates efficiently with reduced energy consumption and low wear cost per ton.

Optimized for Your Operation

The Tritura VSI[™] is designed to meet the toughest demands of aggregate producers. Whether you're manufacturing premium sand or processing abrasive rock, this impactor delivers reliable, cost-effective performance with minimal maintenance.



Key Features and Benefits

Unmatched Performance & Versatility

With a capacity range of 40 TPH to 700 TPH and feed sizes up to 64mm, the Tritura VSI[™] delivers superior cubical-shaped products. Its rock-on-rock collision and cascade flow mechanism ensure top-quality sand and aggregates for demanding applications.

Engineered for Maximum Efficiency

Optimized for today's aggregate producers, the Tritura VSI[™] minimizes energy consumption while maximizing uptime. Its efficient design reduces recirculating loads and component wear, lowering operating costs.

Flexible Configuration

Available with three-port and four-port rotor options, the Tritura VSI[™] adapts to various production needs, optimizing throughput and product quality with every run.

Enhance your aggregate operations with the Tritura Vertical Shaft Impactor[™]. Contact us today to learn how this industry-leading crusher can elevate your production efficiency and profitability.

Tritura Vertical Shaft Impactor™ Specifications

Model	6X75	6X100	6X150	7X220	8X300
Power, kW (hp)	55 (75)	75 (100)	110 (150)	160 (220)	225 (300)
Number of Drives	1	1	1	1	1
Dry Weight, kg (lbs)	4,500 (9,921)	4,800 (10,582)	5,200 (11,464)	6,880 (15,167)	9,325 (20,558)
Max. Recommended Feed Size*, mm	32	32	37	37	57
Throughput Capacity (MTPH)	40-80	45-100	60 - 160	100-210	150-350

Model	8X440	8X500	10X600	10X850
Power, kW (hp)	320 (440)	374 (500)	450 (600)	630 (850)
Number of Drives	2	2	2	2
Dry Weight, kg (lbs)	10,840 (23,898)	10,950 (24,141)	12,655 (27,899)	13,275 (29,266)
Max. Recommended Feed Size*, mm	57	57	64	64
Throughput Capacity (MTPH)	210-420	240-520	310-560	400-750

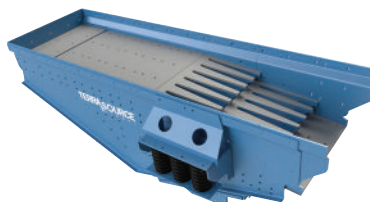
TerraSource Global has a full range of turn-key solutions for all your crushing and feeding operations.



Saxum Fixed-Shaft
Cone Crusher™



Saxum Floating-Shaft
Cone Crusher™



TSG-GF
Grizzly Feeder



Silex Jaw
Crusher™