



UI310+ WHEELED UNIT PIONEERING SOLUTIONS FOR YOU

TECHNICAL SPECIFICATION

The UI310+ is a primary crushing unit fully assembled on a single trailer frame and mounted on a quad axle bogie, supplied with EBS. This consists of a Sandvik ST1363 feeder screen, CI521 Prisec™ impactor and discharge belt conveyor.

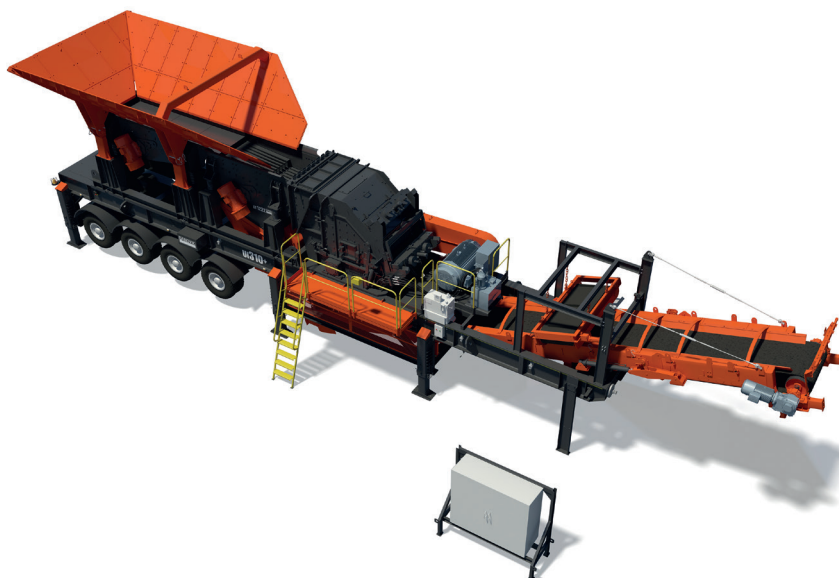
The all new patented and highly modularized Sandvik CI521 Prisec™ crusher has a revolutionary chamber design which results in greater reduction ratios. The crusher can produce products with just two curtains, resulting in greater breakage, whereas competitors require three curtain crushers.

An infinite hydraulic curtain adjustment combined with a brake positioning system relieves pressure and setting when un-crushable objects enter the crusher. No hydraulic power is required during normal operation reducing total power consumption. The design of the hammer ensures maximum breakage, even as the hammer wears and the modularized wear parts can be turned for maximum life/usage.

All of these features are aimed at producing high capacity operation.

KEY BENEFITS

- The feeder unit combines a separate pan feeder with double deck vibrating screen (ST1241 and ST1222) with stepped grizzly for efficient scalping and fines removal even with difficult material.
- The crusher by-pass chute collects material, which passes through the vibrating screen grizzly section. A manual flap allows two possibilities:
 - Permits the removal of fine/intermediate fractions to a separate fines stockpiling conveyor.
 - Allows the fines/intermediate fraction to follow with the crusher product on the delivery conveyor.
- Secure access platform and guards fitted around the crusher drive to ensure safety.
- Easy and quick displacement between job sites.
- Compact design and easy access to all equipment
- All the feed, discharge and connection chutes are robust constructions, made of steel plate with liners.
- The hopper and feeder are mounted on a skid which can easily be removed.
- Self-contained electrical switchgear cabinet on board for power distribution to all motors. Frequency inverter with remote control box included to provide step less regulation of the feed rate and local control of the feeder and screen speed.



KEY SPECIFICATIONS	UI310+
Impactor	
Type	Sandvik CI521 HSI
Feed opening	980 x 1360 mm / 39 x 54"
Rotor diameter	1150 mm / 46"
Weight	16,000 kg / 35,274 lbs
Feed station	
Screen type	ST1263 ST1241 + ST1222
Grizzly gap	80, 100 or 120 mm / 3", 4" or 4 ¾"
Drive (ST1241)	Electric motor 2 x 4.53 kW, 50 Hz
Drive (ST1222)	Electric motor 2 x 4.53 kW, 50/60 Hz
Hopper volume	16m ³ / 565ft ³ / 21 yd ³
Power system	
All electrics are intended for connection to a mains supply.	
Total power	285.32 kW / 383 HP
Supply voltage	380 / 400 / 415 / 440 / 460 V / 3-phase AC
Control voltage	120 / 230 V / 3-phase AC
Frequency	50 Hz / 60 Hz
Running gear	2" / 31 / 2" King-Pin, quad axle bogie with EBS / ABS brakes system and running lights. Tyres 315/80- 22.5 – 18 PR Radial

If powered by a genset at least 750 KVA is required.

KEY SPECIFICATIONS	UI310+
Discharge conveyor	
Belt width	1000 mm / 40"
Length	11.3 m / 37'1"
Drive	Electric motor 15 kW, 50/60 Hz
Approx discharge height under drum	3.4 m / 11' 2"
Transport dimensions	
Height	4,104 mm / 13' 5 5/8"
Width	3,150 mm / 10' 4"
Width without skid station	2,725 mm / 8' 11 1/4"
Length	16,551 mm / 54' 3 5/8"
Weight	53,800 kg / 118,609 lbs
Weight without skid station	38,000 kg / 83,776 lbs
Operating dimensions	
Height	5,901 mm / 19' 4 3/8"
Width	3,933 mm / 12' 11"
Length	19,276 mm / 63' 3"
Performance	
Max feed size	700 mm / 28"
Capacity (up to)	450 mtpH / 496 stph

Note. All weights and dimensions are for standard units only