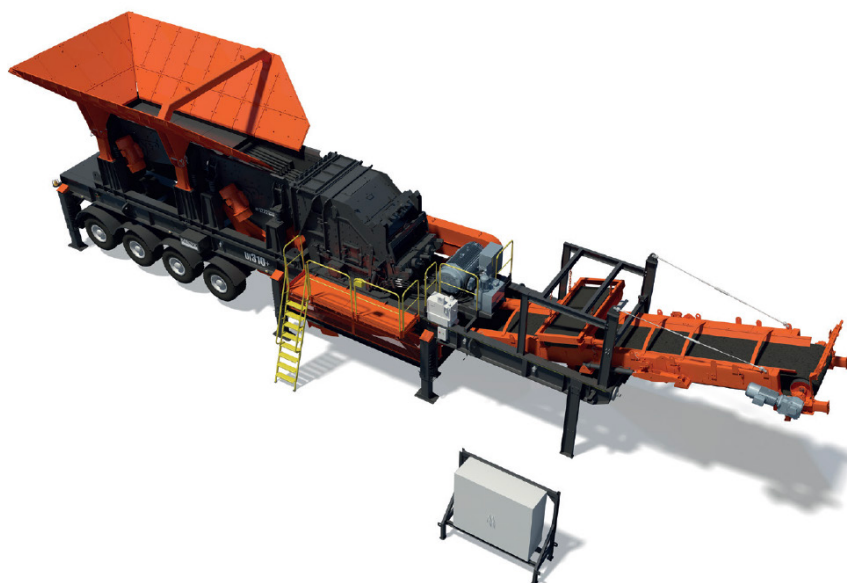




Sandvik UI310+

Wheeled HSI unit

The UI310+ is a primary crushing unit fully assembled on a single trailer frame and mounted on a quad axle bogie, supplied with EBS. Featuring the Sandvik patented CI721 impactor and provided with a ST1263 feeder screen and discharge conveyor, it has been designed to offer a highly versatile, high-end capacity plant at a low cost-per-tonne operation.



Key benefits

Reliability

- Market leading Sandvik CI721 Prisec™ impact chamber for unrivalled flexibility and performance
- All onboard components are electrically driven giving reliability and minimal maintenance
- Heavy duty chassis beams, strength analysis on structural parts and quality components for durability
- Capable of operating in the most hostile environments

Productivity

- Patented chamber design ensures high reduction ratios
- Patented adjustment / braking system for relieving blockages whilst in operation, thereby maximizing uptime
- Adjustable apron curtains and tip speed enable a wide range of end product gradations to be achieved.
- Pan feeder and double deck vibrating screen for removal of fines, thereby maximizing throughput and reducing wear
- Crusher by-pass chute allows flexibility in material distribution
- Frequency inverter for feeder speed control in order to provide step less regulation of the feed rate
- Simple and efficient operation with soft starting crusher for trouble free operation

Cost of ownership

- Low cost-per-tonne due to electric operation
- Quick to set-up and easy to maintain, resulting in more uptime and higher productivity
- Modularized wear parts can be turned for maximum usage

Safety

- Patented rotor locking and positioning device for quick and safe maintenance
- Unique key trapped system to ensure safe inspection after the rotor has stopped turning
- Removable electrical control panel can be located on the ground during operation
- Crusher mounted safety guards and multiple emergency stop buttons for safe operation
- Maintenance platforms with handrails and access ladders provide excellent access for service and maintenance

Sustainability

- Low emissions due to electrical operation, reducing CO₂ emissions
- Quality components ensure longer lifetime and support optimized service and maintenance

Support

- Extensive distributor, sales and service network

Technical specification

Key specifications	UI310+
Feed station	
Screen type	ST1263 feeder screen
Grizzly gap	80, 100 or 120 mm / 3", 4" or 4 ¾"
Drive	Electric motor 2x 4.53 kW ST1341 Electric motor 2x 4,53 kW ST1342
Hopper volume	16m³ / 565ft³ / 21 yd³
Impactor	
Type	Sandvik CI721 HSI
Adj type	Hydraulic
Feed opening	980 mm x 1360 mm / 39 x 54"
Rotor diameter	1150 mm / 46"
Drive	Electric motor 250 kW, 4 pole
Power system	
All electrics are intended for connection to a mains supply	
Total power	286 kW
Supply voltage	460V-60 Hz / 3-phase AC
Control voltage	120V-60Hz / 3-phase AC
Frequency	50 Hz / 60 Hz
If powered by a genset at least 750 KVA is required	
Running gear	
Type	2" / 31 / 2" King-pin, quad-axle bogie with air-brakes, EBS and running lights. Tyres 315 / 80 - 22.5 - 18 PR
Discharge conveyor	
Belt width	1200 mm / 47' 2"
Length	11.3 m / 37' 1"
Drive	Electric motor 15 kW, 50/60 Hz
Approx discharge height under drum	3.4 m / 11' 2"

Key specifications	UI310+
Transport dimensions	
Length	16.25 m / 53.3'
Width	3.15 m / 10.3'
Width without skid assembly	2.73 m / 8.95'
Height	4.10 m / 13.5'
Weight	56,400 kg / 124,341 lbs
Weight without skid assembly	38,000 kg / 83,776 lbs
Operating dimensions	
Length	19.27 m / 63.3'
Width	3.93 m / 12.11'
Height	5.90 m / 19.4'
Performance	
Max feed size	700 mm / 28"
Capacity (up to)	450 mtpb / 496 stph *
Note. All weights and dimensions are for standard units only	

Standard specification

- Feed hopper complete with wear resistant liners
- Self-contained UL certified switchgear cabinet with soft starter and variable frequency drive
- Maintenance platform with handrails and access ladder
- Safety guards to crusher drives
- Emergency stop buttons
- 2" / 31 / 2" King-pin, quad-axle bogie with air-brakes, EBS and running lights. Tyres 315 / 80-22.5 - 18 PR
- Trailer suitable for 12 V / 24 V supply
- Magnetic separator
- Easy and quick displacement between job sites with 6 hydraulic legs along with power pack, product conveyor hydraulically folded
- Option with pan feeder below crusher

* Application specific. Please contact a Sandvik representative for clarification on specifications and options
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