



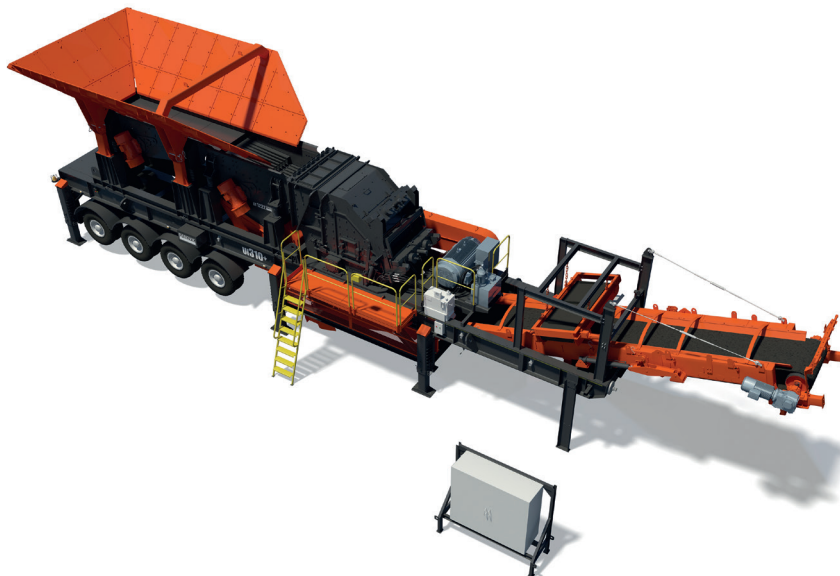
SANDVIK UI310+ WHEELED HSI UNIT

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. Featuring the Sandvik patented C1721 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	<ul style="list-style-type: none">- Market leading Sandvik C1721 Priseq 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	<ul style="list-style-type: none">- 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	<ul style="list-style-type: none">- 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	<ul style="list-style-type: none">- 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- Low emissions due to electrical operation, minimizing environmental impact
Support	<ul style="list-style-type: none">- Extensive global distributor and sales support network





KEY SPECIFICATIONS	UI310+
Feed station	
Screen type	ST1263 ST1241 + ST1222
Grizzly gap	80, 100 or 120 mm / 3", 4" or 4 3/4"
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
Impactor	
Type	Sandvik CI721 HSI
Adj type	Hydraulic
Feed opening	980 mm x 1360 mm / 39 x 54"
Rotor diameter	1150 mm / 46"
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	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"

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

For option availability please speak with your local Sandvik representative

* Application specific. Please contact a Sandvik representative for clarification on specifications and options. Sandvik reserves the right to make changes to the information on this data sheet without prior notification to users

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KEY SPECIFICATIONS	UI310+
Transport dimensions	
Height	4.10 m / 13' 5"
Width	3.15 m / 10' 4"
Width without skid assembly	2.72 m / 8' 11 1/4"
Length	16.55 m / 54' 3"
Weight	53,800 kg / 118,609 lbs
Weight without skid assembly	38,000 kg / 83,776 lbs
Operating dimensions	
Height	5.90 m / 19' 4 3/8"
Width	3.93 m / 12' 11"
Length	19.27 m / 63' 3"
Performance	
Max feed size	700 mm / 28"
Capacity (up to)	450 mtp/h / 496 stph *

Note. All weights and dimensions are for standard units only