



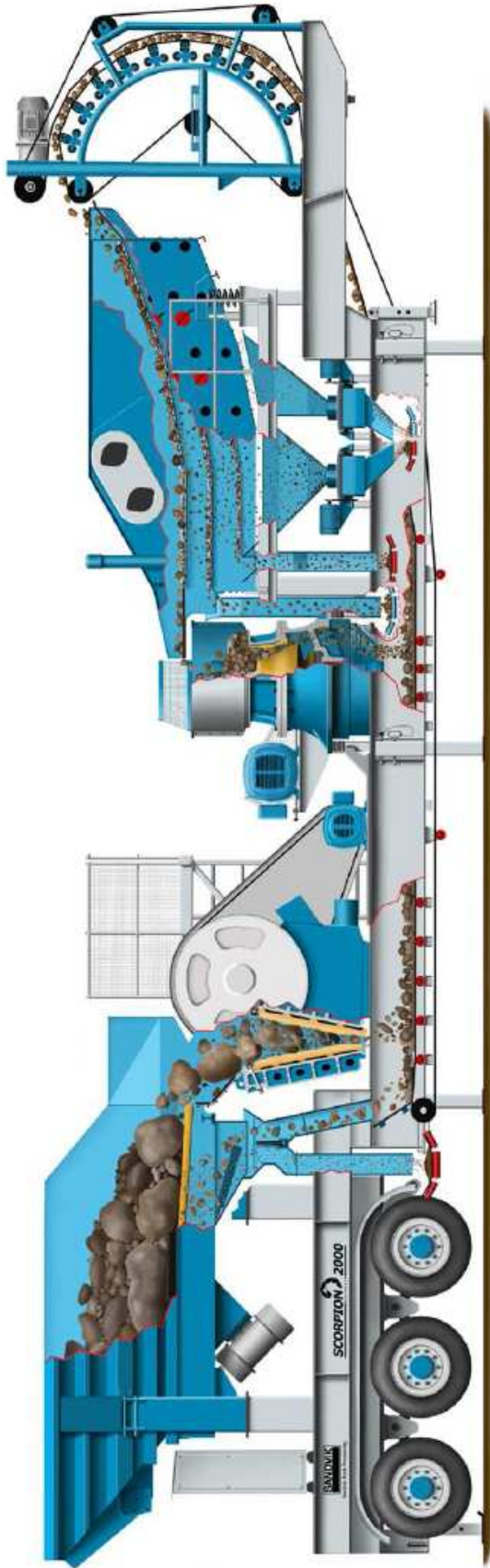
UD210

General information

The UD210 is a complete crushing plant (primary and secondary crushing and screening) fully assembled on a single trailer frame .

The UD210 consists basically of a

- MV-35080 vibrating grizzly feeder.
 - CJ408 Jaw crusher.
 - CH420 Cone crusher.
 - SB1542 vibrating screen.
 - Scorpion looping belt conveyor.
- The feed hopper sides and end wall are foldable by mechanical means.
 - Frequency inverter for feeder speed control, to provide step less regulation of the feed rate.
 - The crusher by-pass chute collects material which passes through the vibrating feeder's grizzly section.
 - An excellent feed to the screen is obtained by the patented Scorpion loop conveyor.
 - It is possible to have two screen cloths with different separations at the bottom deck of the screen. Underneath the screen, there are two reversible conveyors allowing combining or separating fines.
 - UD210 is designed to produce up to four different products.
 - Six legs and a rear support stabilise the plant in its working position.
- A platform with handrails and stepladder is provided above the jawcrusher.
 - Foldable platforms with handrails and access ladders are fitted for easy access and service.
 - Liners for discharge chutes (rubber in the N.F & undersize chutes, steel in the rest).
 - Self-contained electrical switchgear cabinet on board for power distribution to all of the motors on board the unit. The free-standing control panel cabinet is placed on the ground during operation (transported on board the unit). Included: remote control box for local control of the feeder speed.
- Emergency stop push buttons are provided at appropriate places.
 - A siren is fitted to give aural warning of operation.
 - The design and manufacture of the UD210 plant complies with ISO 9001.



Dimension

	Operation	Transport
Height	5.10 m / 16.7'	4.00 m / 13.1'
Width	3.95 m / 13'	2.50 m / 8.2'
Length	16.20 m / 53.2'	16.10 m / 52.8'

Weight

tons	45
short tons	50.4

Feed station

Feeder type	MV-35080 Vibrating feeder
Grizzly length	1.2 m / 4'
Grizzly Gap	70, 90 or 105 mm 2.7", 3.5" or 4.1"
Drive	2 x 2,7 kW electric motor, 50 Hz
Hopper	12 m ³ / 424 ft ³

Crusher

Primary	CJ408
Feed opening	800 x 550 mm / 31.5" x 21.7"
Drive	From electric motor, 55 kW, 50 Hz, squirrel cage type.
Secondary	CH420
Drive	From electric motor, 90 kW, 50 Hz, squirrel cage type.

Product screen

Screen type	SB1542
Screen size	1500 mm x 3700 mm / 5' x 12.1'
No of deck	Triple deck
Drive	Electric motor 2 x 7,5 kW, 50 Hz

Loop conveyor

Belt width	900mm / 35"
Length	15 m / 49.2'
Drive	11,0 kW electrical motors

Performance

Max.feed size	CJ408	500mm / 19.7"
	CH420	130 mm / 5.1"
Capacity (up to)		140 mtph

Power system

All electric are intended for connection to a main supply.

Supply voltage	415 V / 50 Hz / 3-phase AC
Control voltage	220 V / 50 Hz / 1-phase AC

If powered by a genset at least 400 KVA is required.

Running gear

2" King-Pin, Leaf-spring triple-axle bogie with air-brakes
And running lights. Tires 10" x 20" – 16 ply.