The UV320 is an integrated Vertical Shaft Impactor and three-way split screening system, designed for the production of premium shaped aggregates for the concrete and asphalt industries.

Featuring the market leading Sandvik CV117 crusher it is an excellent unit for shaping materials and is able to produce three calibrated fractions, plus one oversize and one optional natural fine separation.

The UV320 is available in two types:
- Direct: Feed conveyor feeding directly into the VSI crusher without any pre-separation.
- Flex: with tippable grizzly, by-pass chute, natural fines screen and optional natural fines conveyor. Flexibility to direct all feed material after the feed station into the VSI crusher, or on the classifying screen, or as a mix to both.
  - Sand - As “Flex” with the additional possibility to recirculate one or several individual fractions

**KEY BENEFITS**

- The Sandvik CV117 VSI crusher has been designed specifically to produce cubical products.
- Highly efficient on board Sandvik SF1843 classifying screen.
- Able to operate in open or closed circuit.
- Radio remote controlled tipping grid.
- A foldable flap on each side can be used as a back wall for a loading ramp, and as protection against oversize stones falling from the tipping grizzly.
- Roll way discharge chute on screen provides easy access for service and maintenance.
- Flap door inside the chute on the screen enables mixing fractions from the second and third deck.
- Onboard process with interlocking for trouble free operation.
- All conveyors are electrically driven and hydraulically foldable for transport. Return conveyor excluded.
- Transported in one piece - everything stays onboard.
- Dust encapsulated crusher, main conveyor and product screen for the finest product.
- Maintenance platforms (with stepladders) around the screen, to provide easy access for service and maintenance.
- Emergency stop buttons are located throughout the machine.
## KEY SPECIFICATIONS

### UV320 Direct

<table>
<thead>
<tr>
<th>Operating Dimensions</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>5.2 m / 17.1'</td>
</tr>
<tr>
<td>Width</td>
<td>16.0 m / 52.5'</td>
</tr>
<tr>
<td>Length</td>
<td>24.0 m / 78.7'</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Transport Dimensions</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>4.46 m / 14.6'</td>
</tr>
<tr>
<td>Width</td>
<td>3.0 m / 9.8'</td>
</tr>
<tr>
<td>Length</td>
<td>18.60 m / 61'</td>
</tr>
<tr>
<td>Weight *1</td>
<td>38.3 mton / 42.1 ston</td>
</tr>
</tbody>
</table>

### Options

- Belt scale for discharge conveyor
- Start siren
- Overband magnet for feed conveyor
- Ball deck beneath third deck in the SF1843 screen
- King pin according to Norwegian standard
- Extra hydraulic legs in rear (2 pcs)
- Lifting lug for chassis for shipping available (Not necessary Roll on/off ship)
- Electrical heating for feeder and feed hopper (Flex and Sand only)
- Electrical heaters for conveyors
- Dust filter for feed conveyor
- Floodlights on illumination mast
- Natural fines Conveyor 8m x 500 mm (Flex and Sand only)

### Feed station

- SP 0830
- Hopper volume
  - 2 x 2,3 kW electric motors
  - 5 m³ / 177 ft³ with foldable grizzly

### Crusher

- Type: Sandvik CV217 VSI
- Feed opening: 50mm
- Drive: 185 kW electric motor

### NF-Screen

- Type: SF1843
  - Motor: 2 x 11 kW electric motors
  - Required power: Foldable conveyors, supporting legs, retractable screen: Hydraulic power pack, 24 V (alt 400 V), 3 kW (alt 4 kW)
  - Running gear: Type: King-pin 3.5” or 2”, Leaf-sprung three-axle bogie, air brakes and running lights, 6 Tyres 385 / 65R / 22.5

### Conveyors length/Width/motor speed

<table>
<thead>
<tr>
<th>Feed con belt</th>
<th>6 m / 800mm / 1.25m/s (to crusher)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Feed con belt</td>
<td>10.6 m / 800mm / 1.3m/s (to screen)</td>
</tr>
<tr>
<td>Rear con</td>
<td>9.5 m / 800mm / 1.25m/s</td>
</tr>
<tr>
<td>3 pro con</td>
<td>8 m / 650mm / 1.1m/s</td>
</tr>
<tr>
<td>By-pass conv.</td>
<td>4.7 m / 800mm</td>
</tr>
<tr>
<td>Feed conv.</td>
<td>9 m / 650 mm (external to crusher)</td>
</tr>
<tr>
<td>NF-conv.</td>
<td>8 m / 500 mm</td>
</tr>
</tbody>
</table>

### Screen

- Product screen: SF1843
- Motor: 2 x 11 kW electric motors
- Hydraulic system: Coarse stone grizzly: Hydraulic power pack, 400 V, 4 kW
- Required power: Foldable conveyors, supporting legs, retractable screen: Hydraulic power pack, 24 V (alt 400 V), 3 kW (alt 4 kW)
- Running gear: Type: King-pin 3.5” or 2”, Leaf-sprung three-axle bogie, air brakes and running lights, 6 Tyres 385 / 65R / 22.5

Note. All weights and dimensions are for standard units only.