Built utilising Sandvik’s market leading Prisec™ technology, the QI341 is the most versatile, compact mobile impactor in the market today. Capable of operating in primary and secondary applications, it has been designed with productivity, mobility, minimal environmental impact and user friendliness at its core.

The QI341 is available with an optional hanging screen system, which will allow customers an even greater return on investment through the facility to produce accurately sized products for immediate use.

KEY BENEFITS

– The Sandvik Prisec™ impactor is the most flexible impactor currently available on the market designed to meet tight end product specifications.
– The machine is fitted with a pre-screen to ensure maximum scalping capability in order to prevent any undersize material passing through the impactor, thereby maximising throughput and reducing wear costs. This also allows a specified sized product to be produced from the natural fines conveyor.
– The QI341 is fitted with an underpan feeder which drastically reduces any spillage issues generally associated with impact crushers. The underpan feeder eliminates the need for skirt rubbers that are normally situated in the severe impact zone of a feed boot.
– The underpan feeder also protects the conveyor belt from high velocity material from the rotor. This material is contained on the wear resistant underpan feeder liners and gently delivered onto the conveyor belt.
– Two hydraulically adjustable apron curtains can be positioned to facilitate the machine’s operation as a Primary impactor, however they can also be repositioned to operate as a Secondary impactor to produce much smaller end products.
– All of the above combined with the variable engine speed which gives a tip speed range of 30 m/s to 37 m/s resulting in a wide range product gradations being achievable.
– Capable of operating in the most hostile environments with a 50°C ambient temperature capability without any oil changes.
### OPTIONS

- **Hopper extensions for rear loading**
- **Hopper extensions for rear loading with wear resistant liners**
- **Hopper extensions for rear loading with rubber liners**
- **Hopper wear resistant liner plates back and sides**
- **Pre screen grizzly spacing option**
- **Pre screen top deck punch plate - 60, 80, 100 mm**
- **Mesh underscreen 30, 40, 50 mm**
- **Central auto lube (crusher)**
- **Central auto lube (conveyors)**
- **Water pump (Hydraulic)**
- **Arctic package - 20°C (-4°F) (32 grade hyd oil & engine oil)**
- **Arctic package - 30°C (-22°F) (arctic hyd oil, engine oil, weasto coolant heater)**

### KEY SPECIFICATIONS

#### Hopper
- **Width:** 1800 mm / 5' 11"
- **Length:** 3660 mm / 12' 0"
- **Capacity (heaped):** 3.6 m³ / 4.7 yd³

#### Primary Feeder
- **Wear resistant lined feeder:** 910 mm x 2330 mm / 3' x 7' 8"
- **Hydraulic drive variable speed:** 550 rpm to 1000 rpm
- **Twin eccentric shaft:** Oil lubrication
- **Amplitude:** Nominal 10 mm / ⅜"

#### Pre screen
- **Type:** 2 bearing, high amplitude screen
- **Top deck:** 1520 mm x 980 mm / 5' 0" x 3' 2 ½"
- **Bottom deck mesh:** 1020 mm x 980 mm / 3' 4" x 3' 2 ½"
- **Amplitude:** 10 mm / ⅜"
- **Speed:** 990 rpm
- **Punch plate:** 40 mm / 1 ½"
- **Underscreen mesh:** 20 mm / ¾"

#### Impactor
- **Sandvik CI411 Prisec™ Impactor**
- **Feed opening:** 992 mm x 670 mm / 39" x 26 ½"
- **Hydraulic inlet opening:** 992 mm x 830 mm / 39" x 32 ½"
- **Rotor speed (variable):** 573 - 707 rpm
- **Tip speed (variable):** 30 - 37 m/s / 98 - 121 ft/s
- **2 aprons:** Hydraulic assist
- **Rotor width:** 950 mm / 37 ½"

#### Main conveyor
- **Type:** Spring mounted stepped vibrating feeder
- **Width:** 830 mm / 32 ½"
- **Length:** 2040 mm / 6' 8"
- **Hydraulic drive:** 3762 mm / 12' 4"
- **Feeder liner:** Wear resistant steel
- **Amplitude:** 9 mm / ⅜"
- **Speed:** 960 rpm

### KEY SPECIFICATIONS

#### Tracks
- **Length (centres):** 3800 mm / 12' 6"
- **Width (shoe):** 400 mm / 15 ¾"
- **Drive:** Hydraulic motors / Gearbox
- **Control:** Radio / Umbilical

#### Power pack
- **Engine:** Stage 3A / Tier 3 CAT C9 Acert / Stage 3B / Tier 4i CAT C9.3 Acert / Stage 4 / Tier 4 Final CAT C9.3 Acert
- **Engine Power:** 261 kW / 350 hp
- **Diesel tank size:** 660 litres / 174 USG
- **Hydraulic tank size:** 660 litres / 174 USG

#### Magnet
- **Model:** Eriez CP20/80-SC2
- **Weight:** 800 kg / 1764 lbs
- **Length:** 750 mm / 29 ½"
- **Height from belt:** Adjustable
- **Type:** Self cleaning suspended

#### Twin pole high power magnet (option)
- **Model:** Eriez TP20/100-SC2
- **Belt width:** 750 mm / 29 ½"
- **Height from belt:** Adjustable
- **Type:** Self cleaning
- **Weight:** 1434 kg / 3162 lbs

#### Natural fines conveyor (option)
- **Belt width:** 650 mm / 25 ½"
- **Belt length (endless):** 9720 mm / 31' 11"
- **Discharge height:** 2630 mm / 8' 8"
- **Hydraulic drive:** 400 cc / 24.4 cu inch

#### Operating dimensions
- **Length:** 14.72 m / 48' 3"
- **Width:** 2.91 m / 9' 7"
- **Height:** 3.93 m / 12' 11"

#### Transport dimensions
- **Length:** 14.08 m / 46' 2"
- **Width:** 2.50 m / 8' 2"
- **Height:** 3.40 m / 11' 2"
- **Weight:** 37,200 kg / 82,012 lbs

#### Performance
- **Max feed size:** 600 mm / 23 ¾"
- **Capacity (up to):** 300 tph / 330 stph
- **Travel speed:** 1.1 km/h / 0.68 mph
- **Max incline / Side to side:** 20° / 10°

**Note:** All weights and dimensions are for standard units only

- **Hanging screen system**
- **Lighting mast and cabinet lights**
- **Remote diesel pump (electric)**
- **Pull stop cords on natural fines and main conveyor**
- **Engine filter kit - 250 hours (air and oil filters - for 3A engines only)**
- **Plant and engine filter kit - 500 hours**
- **Intelligent line multi-machine communication**
- **Main conveyor level sensor (stockpile monitor)**
- **Natural fines conveyor**
- **Jacking legs**
- **Radio remote control**
- **Heavy duty twin pole magnet**
- **No overband magnet**