Sandvik compact screens

Standardised screening solutions designed for predictable operation, low operational risk and confidence in minerals processing



SANDVIK

Planned screening performance starts with a defined solution



In gold, copper and comparable mineral applications, stable screening performance plays a critical role in maintaining reliable operation across the wider process.

Sandvik compact screens are standardised, engineered screening solutions designed for applications where operating conditions are known, defined and repeatable. Each model is built around established configurations and defined load envelopes, giving plant designers, EPCs and operators a clearer understanding of how the screen is expected to perform before it reaches site.

The range is designed to sit between low-spec standard units and fully bespoke heavy-duty screens, giving operations a proven compact screening platform where predictable performance, reliability and lifecycle value are the priority.



Consistency matters

Screening performance affects more than a single equipment item. In gold circuits, consistent separation supports stable downstream processing, helping material move through the plant as intended.

When screen behaviour varies, the impact can be felt across the process. Operators need equipment that performs within expected limits, with known operating behaviour and supportable configurations.

Compact screens are designed for that requirement. Standardised engineering, defined load envelopes and repeatable models help reduce uncertainty from the specification stage through to operation.

Where compact screens fit

Compact screens are developed primarily for gold, copper and comparable non-ferrous mineral applications where conditions are well understood.

They are suited to new projects, EPC projects, smaller modularised projects, debottlenecking projects and brownfield applications where the screen can operate within defined parameters – and where customers value reliability, repeatability and confidence over bespoke complexity.

In some cases, the range can also support suitable battery minerals, lithium, rare earths, mineral sands and other light-duty processing applications.

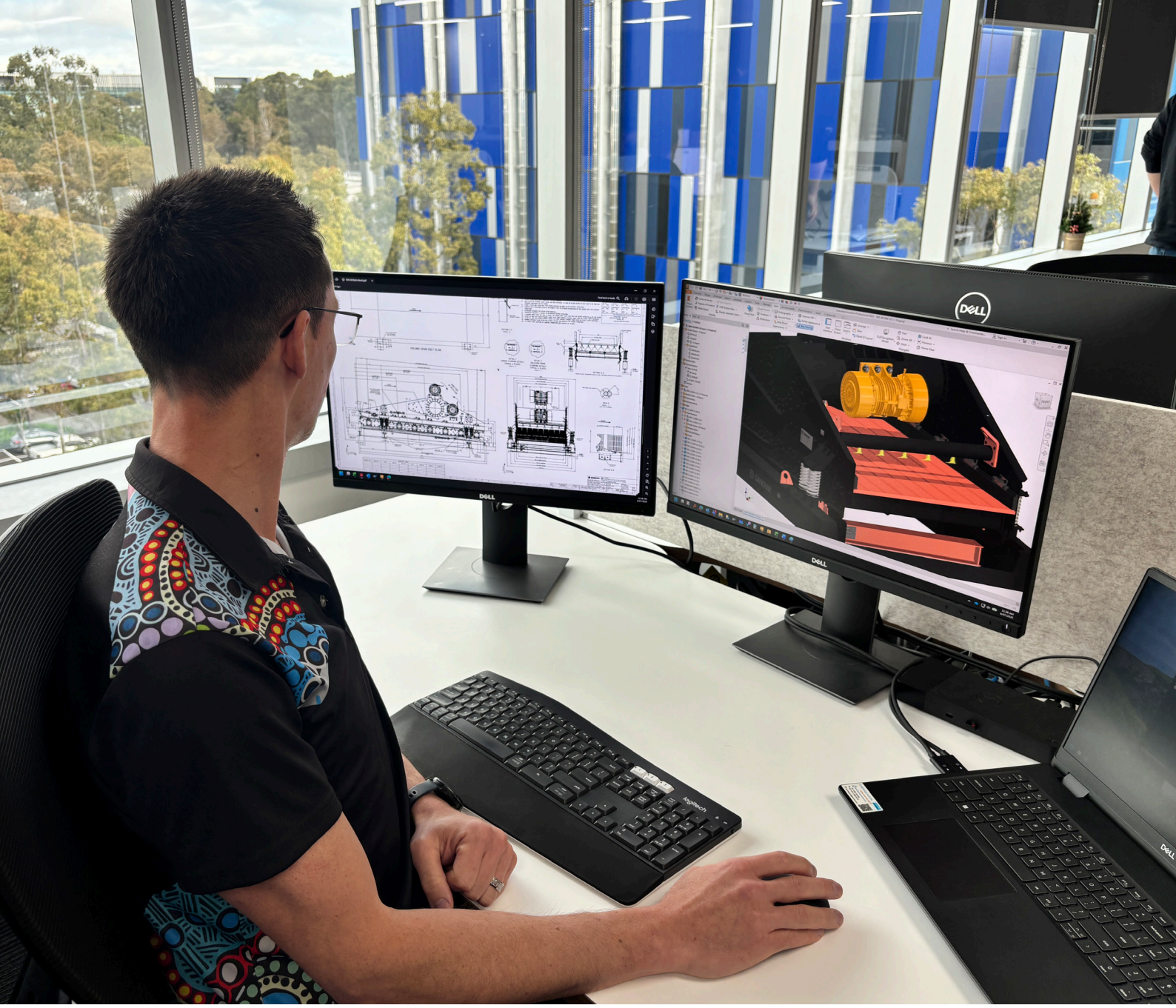
They are not intended for extreme impact duties, highly customised installations or lowest-cost aggregate applications. This focus allows the range to stay clear, disciplined and dependable within the applications it is designed to serve.

Typical fit:

— Gold processing circuits
— Copper and comparable non-ferrous mineral applications
— Duties with defined operating conditions
— New, EPC, modularised, debottlenecking and brownfield projects requiring repeatable, supportable equipment
— Applications where predictable operation is more important than bespoke design flexibility







A standardised platform for predictable operation

Fully bespoke screening solutions can be the right fit for extreme or unusual duties. But in many gold, copper and comparable non-ferrous mineral applications, operators need a solution that is already engineered, already defined and ready to be planned around.

Sandvik compact screens provide a standardised alternative built on known configurations. Existing technical data, 3D models and defined load envelopes support earlier specification, faster project planning and layout development, and more confident plant integration across EPC, modularised and fast-track projects.

This gives EPCs, plant designers and operators a clearer basis for selection, without unnecessary complexity.

Confidence built into the range

Performance defined upfront

Each compact screen model is designed around defined operating conditions and load envelopes, giving customers a clearer understanding of expected behaviour before installation.

Standardised, repeatable operation

The range uses established configurations to support consistency across applications, installations and regions.



Low operational risk

Proven designs, known parameters and global support help customers operate with greater confidence across the screen lifecycle.

Reliable operation in defined mineral duties

Compact screens are developed with a clear focus on gold, copper and comparable mineral applications where stable, consistent screening is essential.

Supportable over time

Standardised models and parts support easier maintenance planning, spare parts availability and long-term serviceability.

Engineered to perform within known limits

Compact screens are backed by Sandvik engineering, validation and application experience.

This is supported by:

- Defined load envelopes to support predictable operating behaviour
- Standardised models and configurations for repeatable selection
- Existing 3D models and technical data to support plant planning
- Engineering validation, including FEA and stability calculations
- Internal testing to confirm performance expectations
- Proven Sandvik experience in gold and comparable minerals processing applications
- Global consistency across machines, components, parts and support

This gives customers confidence that their selected screen will perform as expected within its defined duty conditions.





Technical highlights

Standardised engineering, clearly applied

Compact screens are designed around practical engineering principles that ***support predictable operation and long-term reliability.***

Defined load envelopes

Each model is developed within known mechanical limits, helping customers ***understand how the screen will behave in operation.***

Standardised configurations

The range is structured around repeatable models, reducing unnecessary variation and ***supporting consistent selection across projects.***

Pre-engineered models

Technical data and 3D models ***support early planning, layout development and specification.***

Validated design approach

Sandvik engineering methods help confirm ***structural reliability and stable operation within defined conditions.***

Maintainable construction

Standardised components and supportable configurations ***help simplify maintenance planning and improve long-term service confidence.***

Why Sandvik?

Sandvik brings more than 160 years of global mineral processing experience to every compact screen.

This range is supported by engineering capability, application knowledge and a global service footprint. Customers gain access to consistent machines, components, spare parts and support across regions, helping maintain confidence throughout the equipment lifecycle.

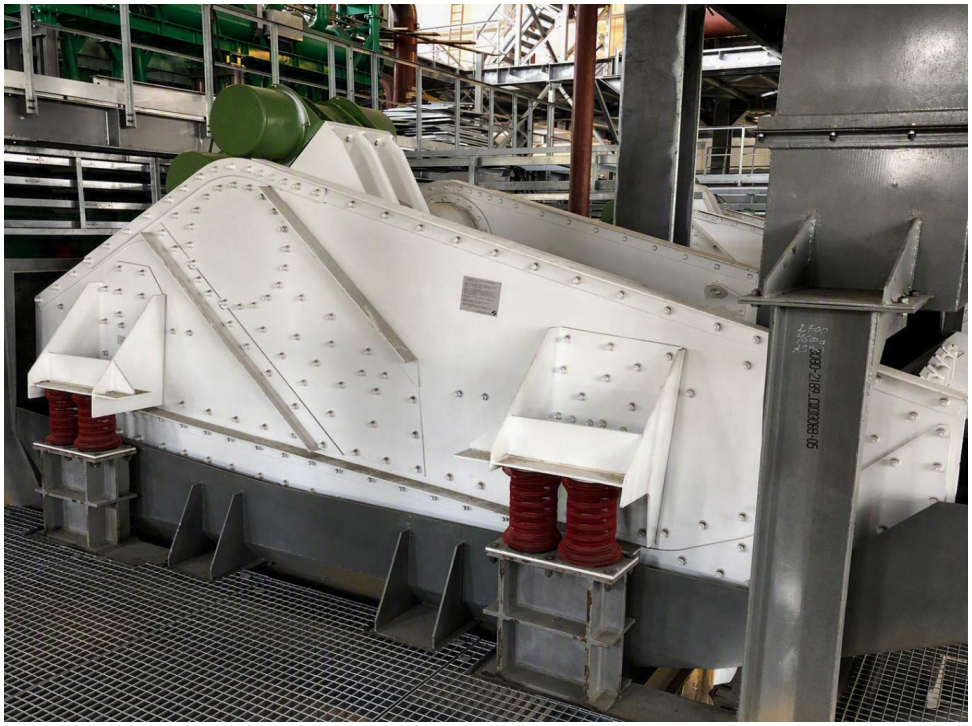
For EPCs and plant designers, this means a screening platform that can be specified with clarity. For operators, it means equipment designed to operate reliably within known limits, backed by a global team that understands mineral processing.



A clear range for defined requirements

The Sandvik compact screen range is structured around standardised models for defined application requirements.

Each model is designed to support repeatable selection, predictable operating behaviour and clear integration into plant layouts. Rather than starting from a blank sheet, customers can select from established configurations supported by Sandvik engineering data.



Specifications

Model name	SA0611	SA1221	SA1241	SA1541	SA1841	SA1851	SA2451
Screen Size mm (ft)	610 x 1220 (2 x 4)	1220 x 2440 (4 x 8)	1220 x 3660 (4 x 12)	1530 x 3660 (5 x 12)	1840 x 3660 (6 x 12)	1840 x 4880 (6 x 16)	2450 x 4880 (8 x 16)
Screening area m^2 (ft^2)	0.74 (8.0)	2.98 (32.1)	4.47 (48.1)	5.58 (60.1)	6.70 (72.1)	8.93 (96.1)	11.91 (128.2)
Motor power kW (hp)	1.2 (1.6)	3 (4.0)	4.4 (5.9)	11 (14.8)	11 (14.8)	15 (20.1)	18 (24.1)
Weight kg (lbs)	555 (1220)	1058 (2330)	2136 (4710)	3426 (7550)	4060 (8950)	4699 (10,360)	5948 (13,110)
Number of Decks	1	1	1	1	1	1	1

For full model specifications, technical data and application guidance, please contact your Sandvik representative.



When compact screens are the right choice

Compact screens are designed for applications where customers need a standardised, reliable screening solution with known operating behaviour.

Choose compact screens when:

- Performance needs to be defined upfront
- Operating conditions are known and repeatable
- Operational risk must be minimised
- Standardised engineering is preferred over bespoke design
- Reliable operation in gold, copper or comparable non-ferrous mineral duties is required
- Consistent global support, parts and service matter over the full lifecycle

Compact screens are not suited for applications requiring:

- Extreme impact capability
- Highly bespoke design flexibility
- Lowest-cost aggregate screening

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Planned performance. Reliable operation. Global support.

Sandvik compact screens are designed to give gold, copper and comparable non-ferrous mineral operations a standardised screening platform they can plan around. With defined load envelopes, repeatable configurations and global Sandvik support, the range delivers predictable operation within known duty conditions.

For operations that value reliability, lifecycle confidence and low operational risk, Sandvik compact screens offer a clear, engineered choice.

For more information, speak to your local Sandvik representative or scan the QR below to visit out webpage.

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