SANDVIK

Gets the job done
Both of them

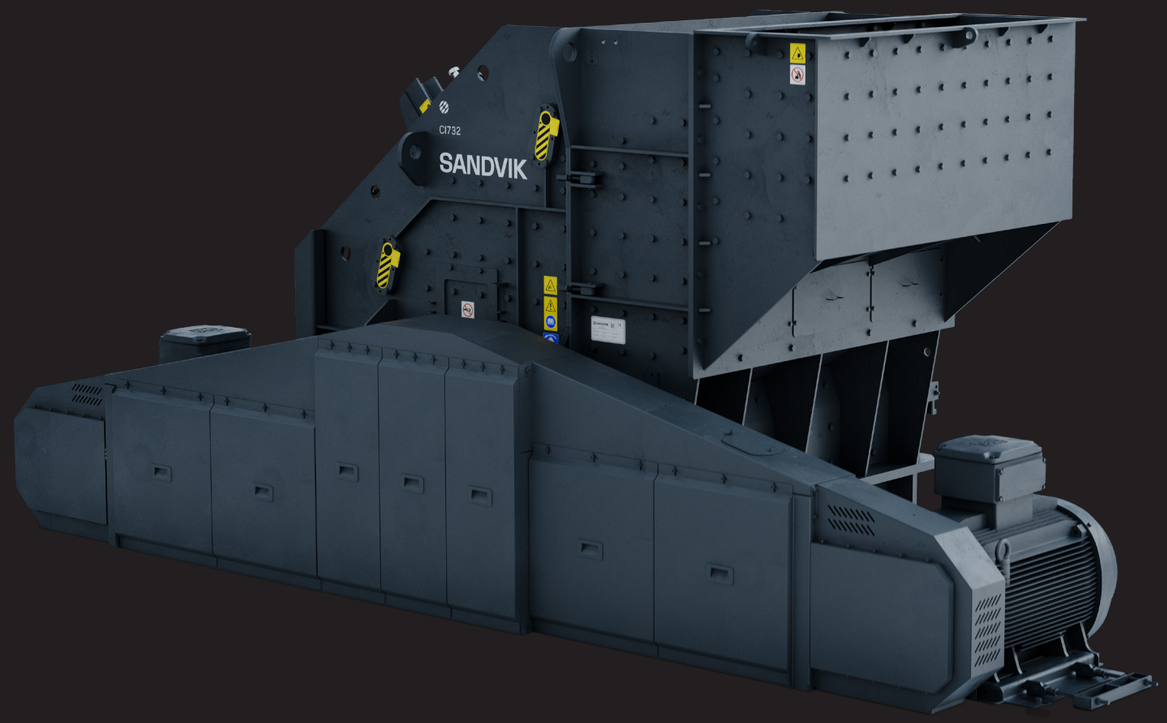
Sandvik horizontal shaft impact crusher range



Keep pace with production

The all-new 700 range of HSI crushers offers new levels of safety and efficiency.

Developed to comply with new EU legislation, you can configure these smart, modular crushers to operate in a variety of applications in either primary or secondary crushing mode. The advantage: you quickly and economically adapt to production requirements, however and whenever they change.



High reduction ratios

Reduced power consumption.

Easier and safer maintenance.

Designed for quarries and recycling industries.

Range of wear parts to ensure optimum operating costs.

The perfect crusher for primary (feed sizes up to 900 mm) and secondary crushing for the limestone, recycling and cement industries.

Achieve 2 stage plants instead of the usual 3 stage plants in aggregate production. Thanks to high reduction ratios and good shape.

Produces more aggregate in the Primary stage than a Jaw crusher.

Safety first Always

Safer and easier to use, the new range of HSI crushers has been designed to comply with all upcoming EU health and safety rules.

The result is higher uptime, and lower cost of ownership from proven crushers that add even better performance and cost savings than before. The crushers come with a host of innovations for greater safety and efficiency including:

Patented rotor locking and positioning device
This ensures that no hands need be placed on the rotor during maintenance. The locking feature locks the rotor in position before the crusher pivot is opened in the event of a blockage. The hammer position indicator shows hammer positions in the crusher before the crusher pivot frame is opened.

Up to
50%
reduction in maintenance time compared to previous models

Up to
100%
longer wear life for hammer wedges

Up to
80%
reduction in maintenance time

Hammer Wedge Handling positioning tool
This tool facilitates safer maintenance, easier fitting and removal.

Up to
80%
reduction in rotor maintenance time

Improved Bearing Housing
More accurate fitting of main bearings (clearance setting), with reduced assembly times. An improved bearing housing design means there is no need for pulley spacers to be fitted. New bearing sensors are fitted as standard allowing condition monitoring, avoiding costly breakdowns

Even greater performance

High reduction ratios and single stage crushing for non-abrasive material in the aggregate industry allow private quarry owners and recycling plants to recirculate oversize to primary.

This greatly reduces production capital outlay.

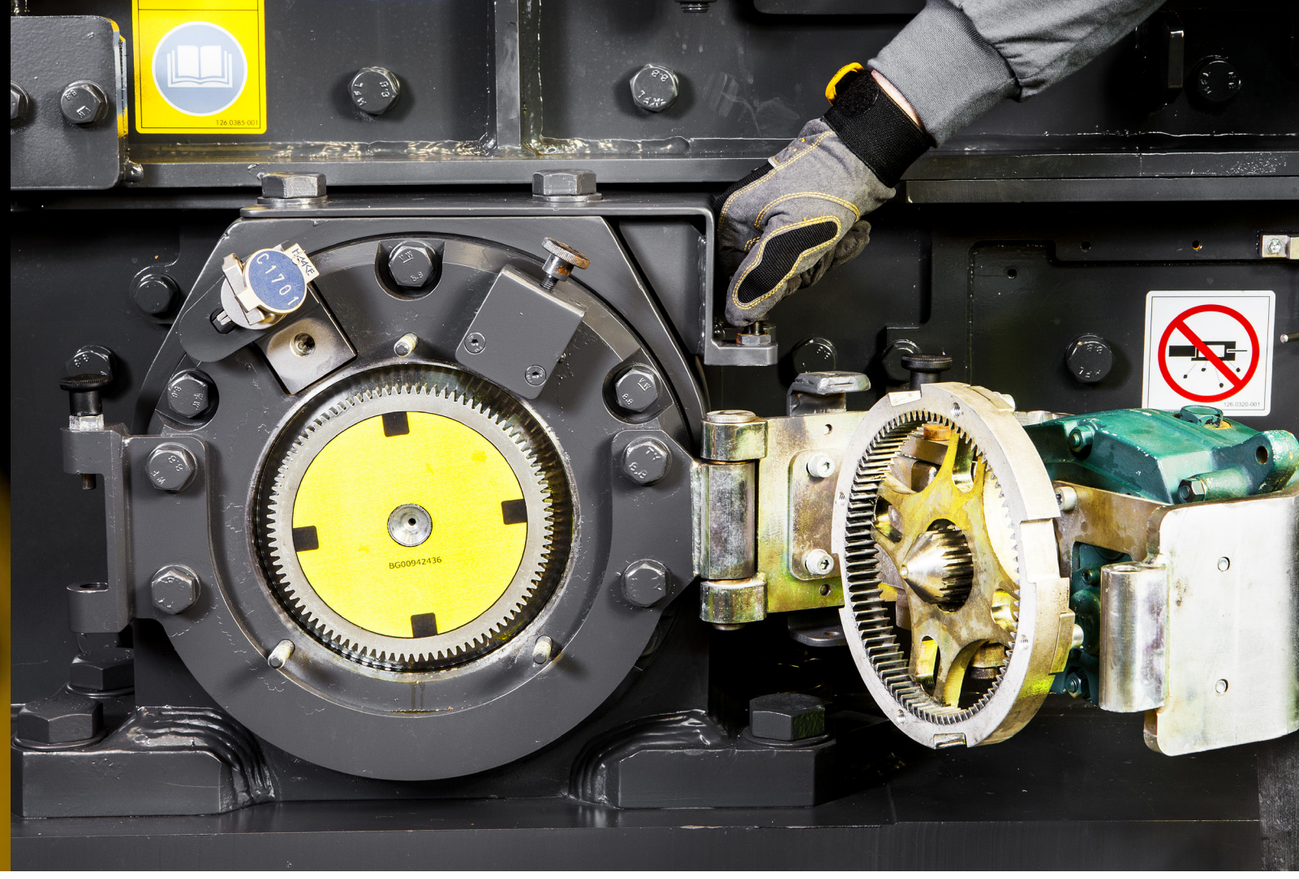
Crushing of low abrasive (Ai) index materials in aggregate plants.

Good product shape—low flake and elongation ratios.

Ability to handle re-enforced steel bars enabling recycling of both steel and aggregate.

Ability to recycle old road surfacings (asphalt) for inclusion in new asphalt products.





Options to get the job done better

Choose from a complete range of options to boost crushing efficiency, extend parts life and adapt your crusher to meet your exact requirements.

Hammer options:
The standard hammer for stationary crushers (CIxxx), is CRN-1 (Blue), with the option of CRS Ceramic (Green), or CRN-2 (Orange) and CRX (Red) designed especially for secondary crushing applications. CRN-2 (Orange)and CRX (Red) hammers can extend life due to the chemical composition and heat treatment process. This makes them harder, providing more wear life than the other hammer types.

Lifting jib and support bracket
Lifting jib and support bracket options can be fitted to either the left or right-hand side of the crusher depending on the crusher drive.

Chain block and wheeled pulley
The trolley and hoist are certified (S.W.L.) and designed for lifting the relevant size hammers during routine maintenance.

Motor mounting and drive guard assembly
The motor mounting plate can be fitted in four various positions around the crusher (front, back, left or right hand). The drive guard assembly is suitable for all available drive options.

Drive pulley options
Select the correct drive for the operating frequency relevant in the country of operation.

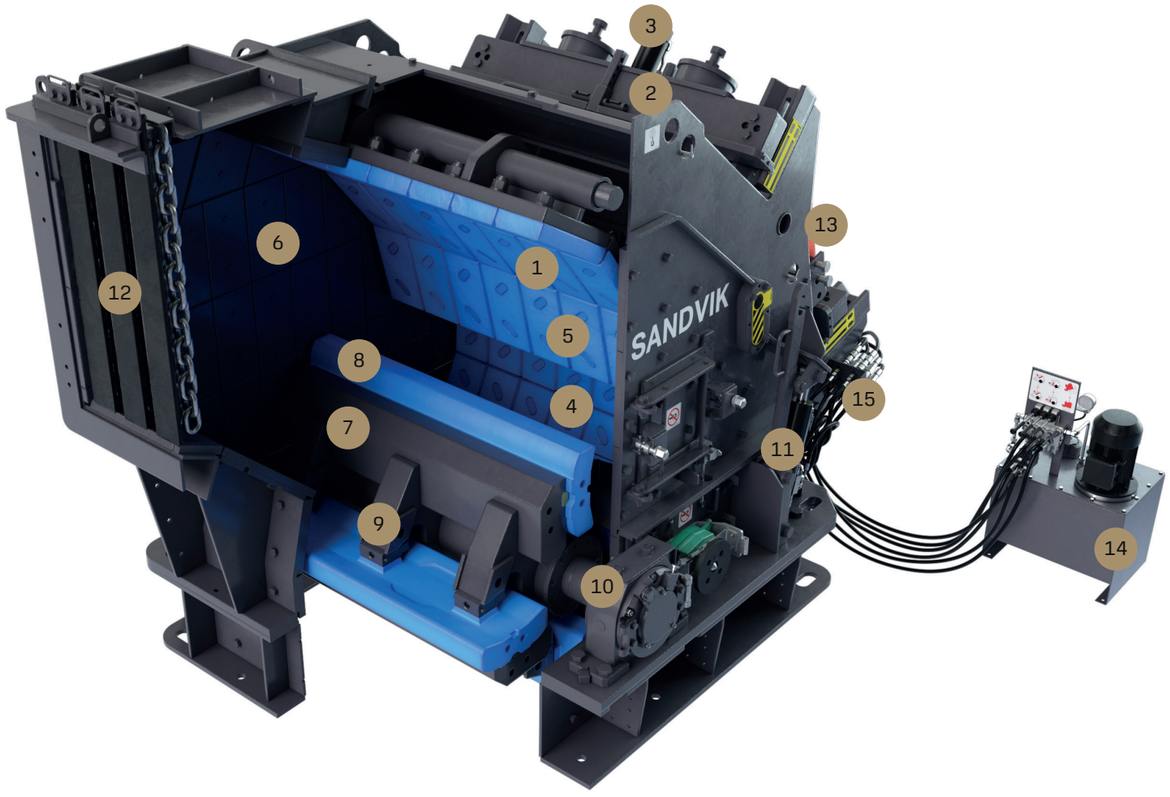
Electric motors
Energy efficient motors with a lower carbon footprint that comply with the latest international standards. Specific governments provide tax breaks/incentives for using this type of motor.

Primary crusher returns feed chute:
Returns feed chute options fit the top of the existing standard feed hopper and feeds the re-circulated material on top of the incoming primary feed material.

Sandvik CI700-series (HSI)



Sandvik horizontal shaft impact crushers (HSI)



1. First Curtain
2. First Curtain Cross Beam
3. First Curtain Adjustment Cylinder
4. Second Curtain
5. Curtain Liners
6. Frame Liners
7. Rotor
8. Hammer
9. Hammer Locking Wedge
10. Bearing Housing
11. Pivot Frame Cylinder
12. Primary Feed Hopper
13. Hammer Lifting Jib
14. Electric Hydraulic Powerpack
15. Quick Release Hydraulic Fittings

Technical data

	CI711 primary	CI712 secondary	CI721 primary	CI722 secondary	CI731 primary	CI732 secondary
Feed size	600 mm (23.6 in)	300 mm (11.8 in)	900 mm (35.4 in)	350 mm (13.8 in)	1,000 mm (39 in)	350 mm (14 in)
Capacity	< 200 tph	< 150 tph	200-400 tph	150-250 tph	400 - 700 tph	250 - 400 tph
Length	2.84 m (112 in)	2.84 m (112 in)	3.12 m (123 in)	3.12 m (123 in)	3.21 m (126 in)	4.07 m (160 in)
Width	2.00 m (79 in)	2.00 m (79 in)	2.37 m (93 in)	2.37 m (93 in)	3.22 m (127 in)	3.22 m (127 in)
Height	2.29 m (90 in)	2.29 m (90 in)	2.51 m (99 in)	2.51 m (99 in)	2.83 m (111 in)	2.84 m (112 in)
Weight	11,005 kg (24,262 lb)	11,184 kg (24,656 lb)	16,000 kg (35,274 lb)	16,256 kg (35,838 lb)	27,750 kg (61,178 lbs)	29,650 kg (65,367 lb)

See separate technical specification sheet for all technical data of the new HSI 700 range.



The condition monitoring system, fitted as standard for both bearing housings across the complete range, provides vital information of bearing condition for planned maintenance. The system can easily be integrated to other existing control systems.

Test results and calculations are to be considered as results reached under certain and controlled conditions. These test results and calculations should not be treated as specifications and Sandvik does not guarantee, warrant or represent the outcome of test results or calculations in any or all circumstances.

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