

Convenient operation

- ◆ "One-click Construction" functionality that controls the material conveyor, water sprinkling, and dust removal start/stop.
- ◆ Equipped with a side plate cylinder incline and MoBa cross-slope leveling system, this device easily adapts to various working conditions.
- ◆ Pioneering anti-freeze water system prevents freezing and cracking during winter clean-up.
- ◆ Remote control key for powering on/off, providing convenience and ease of use.

Strong power

- ◆ Equipped with a high-power Cummins 264KW engine.
- ◆ High-efficiency T-type transfer case for more direct power transmission.
- ◆ Track drive system combined with hydraulic anti-slip technology, ensuring strong traction without slipping.



CHINA III Series



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SPECIFICATION



Milling Machine SCM1300FC-8A

QUALITY CHANGES THE WORLD

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Product Highlights

The SCM1300FC-8A milling machine is a versatile all-purpose milling machine adaptable to a variety of working conditions. It can be used for the renovation and repair of highways, national and provincial roads, and urban streets.



Flexible operation

- ◆ 5 km/h travel speed and 35 m/min working speed for more efficient relocation and construction.
- ◆ Front material discharge design with a maximum discharge height of 5 meters, making material collection more convenient.
- ◆ One-click switch for the position of the right rear leg (front/back), ensuring edge milling without leaving dead corners.
- ◆ Minimum working width of 2.33 meters, offering strong maneuverability.
- ◆ Rear-mounted milling device, ensuring thorough milling in one go.

Reliable and durable

- ◆ The milling drum uses robotic positioning and welding, ensuring high welding precision and reliable performance.
- ◆ Fully automatic dynamic balance testing platform for the milling drum ensures smoother milling operations.
- ◆ Three-coordinate measuring instrument for detecting the position of the milling drum's cutting teeth, ensuring the cutting teeth meet design requirements.
- ◆ Dual-alloy wear-resistant tooth sleeves provide excellent wear resistance and longer service life.

SCM1300FC-8A

Milling machine
CHINA III series

High-precision milling drum manufacturing technology

- ◆ The cutting seat of the milling drum is positioned and welded using computer-controlled robotic arms, ensuring high positioning accuracy and excellent welding performance.
- ◆ Fully automatic welding of "boat-shaped" and "angle" welds, providing high welding strength.
- ◆ Fully automatic dynamic balance testing platform for the milling drum ensures smoother rotation.
- ◆ Three-coordinate measuring instrument for the milling drum ensures that the welding positions of the cutting teeth meet design requirements.



Automatic leveling technology

- ◆ Dual cylinder leveling structure on the side plate combined with the MoBa cross-slope leveling system meets various leveling requirements.
- ◆ The leveling controller uses a high-precision integrated chip processor, making it more compact and convenient to use.
- ◆ Optional MoBa ultrasonic leveling system is available to meet different customer needs.



Intelligent water sprinkling technology

- ◆ 2.3-ton large-capacity water tank with adaptive water sprinkling adjustment based on load, providing extended sprinkling duration.
- ◆ High-pressure washing functionality with a washing pressure of over 40 bar.
- ◆ Industry-first anti-freeze water system, allowing for full machine waterline cleaning after winter operations, ensuring it withstands severe cold.

One-click switching for right rear leg position (front/back)

- ◆ One-click switch for the front/back position of the right rear leg, simplifying operation.
- ◆ When the right rear leg is positioned at the front, edge milling leaves no dead corners, and the machine width is 2.33 meters, providing excellent maneuverability.
- ◆ When the right rear leg is positioned at the back, the track load is more balanced, resulting in higher milling efficiency.

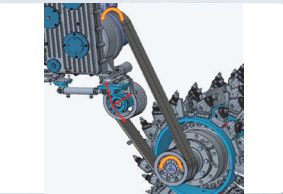
New generation intelligent control system

- ◆ 10-inch touch HD control screen for simple operation and precise control.
- ◆ Integrated operation handle, seamlessly combining travel, material conveying, and milling functions.



High-efficiency Transmission Technology

- ◆ Equipped with a high-efficiency T-type transfer case, with a maximum output power of ≥ 370 kW.
- ◆ The transmission belt is tensioned on the slack side, effectively buffering milling impacts and significantly extending belt life, with a transmission belt lifespan of over 1500 hours.



Optional features

Item	Description
Vacuum dust removal	Effectively reduce dust and improve construction environment
Ultrasonic leveling	MoBa ultrasonic leveling system

*:The above configuration needs to be priced separately.

Service environment

- ◆ The standard intake preheating system + room temperature battery, which can be used in an environment above -20°C .
- ◆ Additional intake preheating system + low temperature battery, which can be used in an environment above -35°C .
- ◆ If the temperature is lower than -35°C , an ultra-low temperature preheating system shall be added. Please contact SANY technicians.

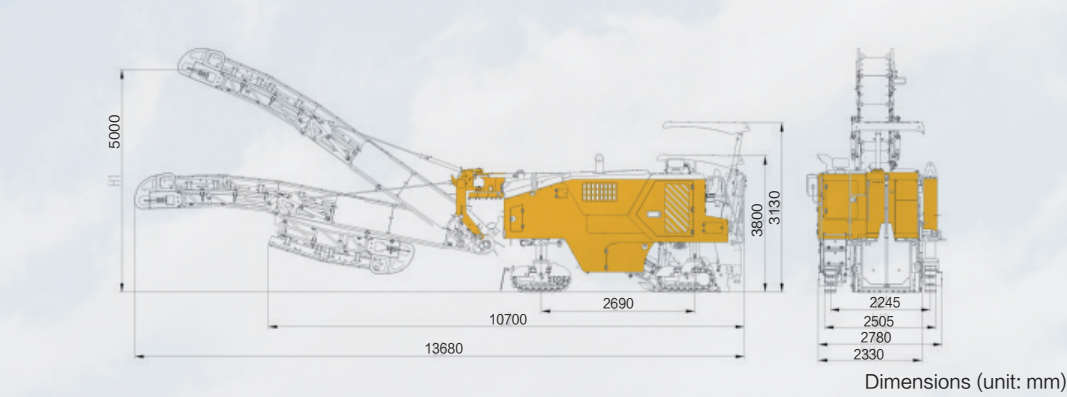
Economic value analysis

Item	Description	Powerful, Efficient, Reliable and Durable, it can create an additional annual revenue of RMB 175,500 for customers.
Higher efficiency	Strong power with a new generation of high-efficiency milling drums, adapting to a variety of working conditions. Milling 3,000m ² more than competitors each year, with an annual revenue increase of RMB150,000.	
Durable accessories	Standard centralized lubrication system, bearing and bushing life doubled. Assuming the replacement of accessories every 2 years, each replacement costing RMB 10,000, RMB 5,000 can be saved a year. Standard high-pressure cleaning system, belt and other rubber parts life increased by 50%. Assuming the replacement of accessories once a year, each replacement costing RMB 30,000, RMB 10,000 can be saved a year. Adopting double alloy wear-resistant tooth sleeves, the service life is increased by 50%. Assuming the replacement of a set of tooth sleeves per year, 35 tooth sleeves can be saved every year, and assuming each tooth sleeve costing RMB 300, RMB 10,500 can be saved a year.	

Product Parameters

Overall dimensions

The following are the measured values corresponding to the standard feature, and the actual products shall be subject to the optional features.



Item	SCM1300FC-8A	
Engine	Brand / Model	CUMMINS / QSL8.9 CHINA III
	Rated Power	264kW/2100rpm
Working Unit	Milling width (mm)	1300
	Milling depth (mm)	0-320
Milling Drum	Milling line distance (mm)	18
Weight	Transportation weight (t)	24.1t
	Max. operating weight (t)	26.7t
Travel System	Travel speed (m/min)	0-83.3 (0-5km/h)
	Working speed (m/min)	0-35m/min
Conveying system	Width of conveyor belt (mm)	650(一级)+600(二级)
	Max. conveying Height (mm)	5000

