

Economical and labor-saving

Automatic energy saving with load-adaptive technology;  
Dual-fan independent automatic temperature control and fan speed regulation;  
Lightweight and compact design, simultaneously transportable with a sweeper, saving freight;  
The water quantity is automatically adjusted according to the load, and the sprinkling point can be switched on and off at any time to meet relevant requirements. The average sprinkling duration per tank is prolonged by **30%**;  
Hard alloy metal wear-resistant gear sleeve, with service life prolonged by **50%**.

Wide application

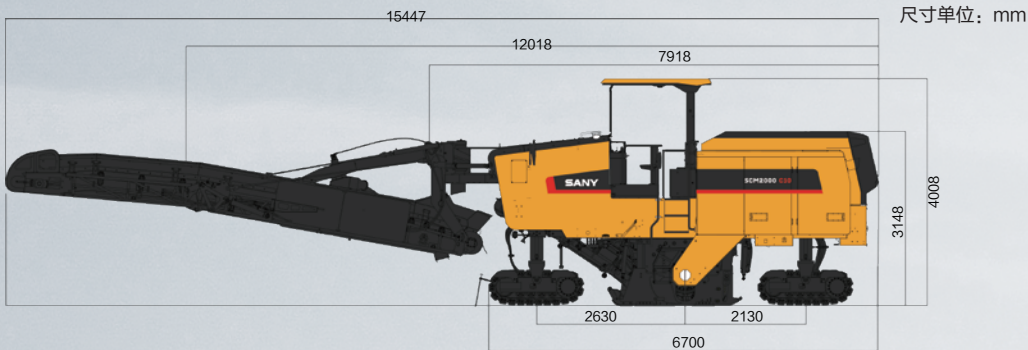
Two independent low-noise (as low as 80dB) fans, with no disturbance to residents for works in residential areas; the pioneer dust removal with independent channel, together with multi-point sprinkling design, to reduce dust load by **98%**;  
Lightweight design, properly designed center of gravity of the machine, together with counterweight at tail, to ensure proper transportation performance and small milling runout on hard pavement;  
High-speed milling with finer texture, as partial replacement of fine milling operation;  
The height of the conveying port is up to **5m**, and the speed is up to **6m/s**. With a large throwing range and adjustable distance, it is suitable for more material trucks.



Product Parameters

Overall dimensions

All dimensions are approximate and overall dimensions vary depending on the service condition of the device.



Item	SCM2000C-10S
Engine brand/model	DCEC M15
Emission standard	Off-road China III
Rated power (kW)	563
Transportation weight (t)	28.5
Operating mass (t)	31
Maximum operating mass (t)	33
Maximum traveling speed (km/h)	6
Maximum conveying height (m)	5
Milling depth (mm)	330
Milling width (mm)	2000
Water tank volume (L)	3400
Fuel tank volume (L)	1100
Maximum ground clearance (mm)	350
Transportation width (mm)	2550



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Featured machines in photos may include additional equipment.

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Milling Machine

SCM2000C-10R

Automatic Milling Machine



Features

Driving experience as automatic transmission vehicles, with easy operation, low fuel consumption and high efficiency

Simple operation

The real automatic milling machine with remote start/stop, automatic cutting, one-button milling and assisted driving;  
The first to install a 10-inch touch screen on each of the left and right sides respectively, so there is no need to move the screen for operation at left and right sides;  
All parameters including leveling parameters can be set on the main screen, so only one operator is required;  
360° panoramic view, eliminating blind area in operation; light indication for water level, with no need for commanding;  
Quick-change design of milling drum, slow changeover tool, latchless tailgate, to realize rapid and convenient operation;  
The automatic lubrication system is equipped for all models, and the key moving parts are automatically lubricated in a reliable and labor-saving manner.



Fast and efficient

Second generation of milling drum optimized by digital simulation, to increase the milling efficiency;  
Cummins **563kW** high-power engine, to provide strong power;  
The conveying speed is up to **6m/s**, the highest in the industry, with no blocking of materials in milling operation;  
The traveling speed is up to **100m/min**, to realize fast transition.

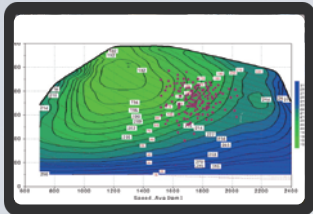


SCM2000C-10R

铁创机 CDS series

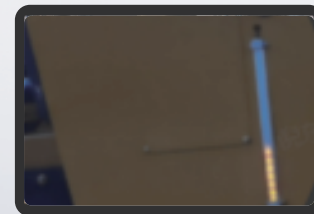
### 1 Condition-adaptive technology

- ◆ According to the real-time operating conditions, engine power consumption, speed and torque are controlled smartly and adaptively, so that the load rate is always optimized and the fuel consumption is reduced;
- ◆ The fan speed is automatically adjusted by temperature to reduce energy consumption;
- ◆ Electronically controlled automatic anti-skid function, to ensure stable driving operation of four tracks.



### 2 New generation of smart control system

- ◆ The third generation of smart controller, with response realized in milliseconds;
- ◆ Two **10-inch** touch LCD screens, with simple operation and accurate control; leveling parameters can be set at the superstructure;
- ◆ New generation of control panel, integrating back lights and indicator lights, to facilitate works at night;
- ◆ Audio-video commanding and water level light indication system installed for the material truck, to realize proper and efficient operation without need for human commanding.



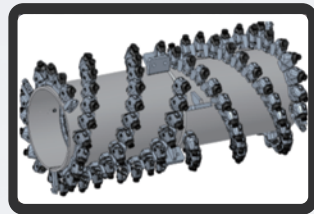
### 3 Technology of dust removal with independent channel

- ◆ The conveying cover plate is subject to a two-channel design, with the upper layer as a dust removal airflow channel and the lower layer as a milling material channel. With this design, the dust removal airflow can be prevented from blowing up the milling materials again. Together with multi-point sprinkling for dust removal, the dust can be reduced by **98%**.



### 4 Efficient and wear-resistant milling drum technology

- ◆ The layout of milling drum cutter head and the gear sleeve shape are optimized by digital simulation, to increase the milling efficiency by **20%**;
- ◆ Bi-metal high-strength wear-resistant gear sleeve subject to SANY's patented technology, to increase the service life by **50%**.

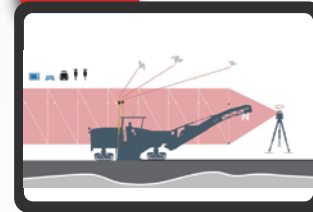


### Optional features and smart kits (\*)

Item	Description
360° panoramic view	Used to monitor the safety around the body
Assisted driving system	Used to reduce the operation intensity and improve the milling effect
Fine milling control system	Used for pavement finishing
2m milling drum (18mm, quick change type)	Used to quickly switch between different milling drums to meet the requirements of different constriction sites
2m fine milling drum (6mm, one line and two teeth)	Used for pavement finishing
2m fine milling drum (6mm, one line and one tooth)	Used for pavement finishing

### Smart supporting facilities and services

#### 3D paving



- ◆ Automatic adjustment of milling depth with elevation;
- ◆ Elevation control accurate to mm.

#### Driving assistance system



- ◆ 360° panoramic view;
- ◆ ADAS active obstacle avoidance.

#### Comprehensive management system of construction machinery



- ◆ Equipment full life cycle management; It is compatible with mainstream device brands and supports more than 40 types of devices.

\*:The above configuration needs to be priced separately.

### Economic value analysis

The "automatic" milling machine can create an additional value of RMB 363,000 (200,000 + 100,000 + 40,000 +23,000) for customers every year.

#### Higher efficiency

- ◆ The brand new power train, together with the second generation of milling drum, can increase the milling area by **4,000m³** per year compared with peers and increase the annual income by RMB 200,00.

#### Labor-saving

- ◆ Equipped with 360° panoramic view, two **10-inch** screens and material truck command system, it can be operated and commanded solely at the superstructure, so 1 person for operation and commanding at the substructure can be saved, thus saving **RMB 100,000** a year.

#### Fuel-efficient

- ◆ Two-gear transmission and dual-fan automatic temperature control and fan speed regulation system, together with load adaptive control, can save the comprehensive fuel consumption by **5L/h** than peers. Assuming the diesel fuel price of RMB 8/L and annual working time of **1,000h**, the fuel cost can be saved by **RMB 40,000** a year.

#### Accessories saved

- ◆ The automatic lubrication system is provided for all models, so that the service life of bearings, copper sleeves, keys etc. can be doubled. Assuming maintenance once every 2 years and the maintenance cost of RMB 10,000, the maintenance cost can be saved by about RMB 5,000 a year;
- ◆ The hard alloy metal wear-resistant gear sleeve is provided, so that the service life of the gear sleeve can be prolonged by 50%. Assuming replacement of a set of gear sleeve every year, 60 gear sleeves can be saved every year, and assuming each gear sleeve costing RMB 300, RMB 18,000 can be saved a year.

### Service environment of product

- ◆ Altitude: ≤4,000m;
- ◆ Temperature: -10° C~45° C.

