

SANY Mobile Crushing and Screening Equipment Product Brochure



SANY CONSTRUCTION TECHNOLOGY CO., LTD.

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Printed Version 2025V2



Transforming waste into sustainable resource

About Us

Sany Construction Technology Co., Ltd., a subsidiary of Sany Group, was established in 2016, with Mr. Tang Xiuguo, the founder of Sany Group, serving as Chairman.

Building on Sany's position as a top-three global construction machinery manufacturer and its industry-leading capabilities in industrial IoT, Sany Construction focuses on the green waste management sector. The company develops and promotes a full range of mobile crushing and recycling equipment and solutions—including mobile impact crushers, mobile jaw crushers, mobile cone crushers, and mobile screening plants.

Guided by the philosophy of "High Efficiency and Energy Conservation: Making Crushing and Recycling More Economical," the company is committed to enabling the resource recovery and utilization of construction and infrastructure solid waste.

Supported by world-class R&D capabilities, ultra-precise manufacturing processes with tolerances controlled to within 1/10,000, and a global sales and service network, Sany Construction has been recognized as both a National High-Tech Enterprise and a National Intellectual Property Demonstration Enterprise by the China National Intellectual Property Administration. The company holds nearly 2,000 patents and operates across five continents worldwide.

Committed to green, low-carbon development, Sany Construction adheres to the core principle of "Everything for Customers, Everything Originates from Innovation." Through its integrated service system—Equipment · Technology · Cloud Platform—the company continuously delivers value to customers around the globe.



Mobile Impact Crusher

- Diesel-driven SI12 Series
- Electric-driven SI12E Series



Mobile Jaw Crusher

- Hybrid-driven SJ12H Series
- Electric-driven SJ12E Series



Mobile Cone Crusher

- Hybrid-driven SC11H Series
- Electric-driven SC11E Series



Mobile Screening Plants

- Hybrid-driven SCSM1860 Series
- Electric-driven SCSM1860E Series
- Hydraulic-driven SCSM1560 Series
- Scalper SS15PD Series

Sany Mobile Impact Crusher

Diesel-driven & Electric-driven

Diesel-driven SI12 Series & Electric-driven SI12E Series

It can produce **300t/h** concrete aggregate,
while the fuel consumption is **20%** lower than that of the competitive
product under the same working conditions;

High Output

- Intelligent feeding, and independent pre-screening
- Direct drive of crusher by engine
- Double-chamber structure and high-precision heavy-duty rotor

Low Energy Consumption

- Direct drive system
- Separate setting of traveling/working power
- Adaptive power saving mode of the system
- With environmental-friendly spray & dust reduction system

High Reliability

- Core components from world-renowned brands
- Super wear-resistant parts
- High-strength endurance test under full working conditions



Sany Mobile Impact Crusher

Technical Parameters

Diesel-driven SI12 Series & Electric-driven SI12E Series

S/N	Main Parameters	Unit	Diesel-driven	Electric-driven	Remarks
Feeding System					
1	Nominal volume of receiving hopper	m ³	6	6	Standard configuration
	Maximum feeding size	mm	600	600	Maximum continuous feeding size, with opening height of 900mm
	Maximum feeding capacity	t/h	450	450	Depends on the characteristics of the raw materials
	Number of pre-screening sieve layers	Layers	2	2	Heavy-duty, innovative sieve pores
Power System					
2	Brand	-	Scania	Cummins	-
	Emission level	-	CN Phase III EU Stage V	CN Phase III	-
	Rated power	kW/rpm	371/1800 368/1800	92/2200	-
Crushing System					
3	Pass volume	t/h	150-450	150-350	Depends on the characteristics of the raw materials
	Crusher power	kW	260/ (Direct engine drive)	250/ (External power supply, 380V)	
	Rotor size (D × W)	mm	φ 1200 × 1300	φ 1200 × 1300	-
	CSS Range	mm	20-100	20-100	
Traveling System					
4	Rated power	kW	55	-	-
	Traveling speed (high/low)	Km/h	1/0.3	1/0.3	Maximum speed on flat ground/slope
	Maximum climbing capacity	-	7°	7°	The maximum climbing angle without the final screening system is 15°
	Track tread × distance between left and right centers	mm	4100 × 2600	4100 × 2600	Crawler chassis for Sany excavator
Operation Mode					
5	Operation screen	-	Touch screen	Touch screen	-
	Remote control	-	Wireless	Wireless	-
	Remote online upgrade	-	Available	Available	Including online services and online trouble diagnosis
Transportation Parameters					
6	Transportation dimensions (L × W × H)	mm	21800 × 3400 × 3900	21800 × 3400 × 3900	Including final screening system
	Transportation weight of whole machine	T	67	65	Including final screening system

Sany Mobile Crushing and Screening Equipment

SANY Mobile Jaw Crusher

Hybrid-driven & Electric-driven

Hybrid-driven SJ12H Series & Electric-driven SJ12E Series

Diesel+Electric Hybrid and Intelligent Control Effort and Cost Reduction



It is used for primary crushing and recycling of hard materials with compressive strength not exceeding 300Mpa in construction, transportation, railway, cement, building materials, metallurgy, tailings and other industries.

Scope of Application: Recycled materials (solid waste from construction, solid waste from concrete component, solid waste from cement pavement, etc.), medium/high-hardness natural stone (granite, basalt, etc.).

SANY Mobile Jaw Crusher

Technical Parameters

Hybrid-driven SJ12H Series & Electric-driven SJ12E Series

S/N	Main Parameters	Unit	Hybrid-driven	Electric-driven	Remarks		
Feeding System							
1	Nominal volume of receiving hopper	m ³	6	6	Standard configuration		
	Maximum feeding size	mm	650	650	-		
	Maximum feeding capacity	t/h	500	500	Depends on the characteristics of the raw materials		
	Number of pre-screening sieve layers	Layers	2	2	Independent heavy-duty, with optional screen pores		
Power System							
2	Brand	-	Scania	Cummins	Cummins	-	
	Emission level	-	CN Phase III	EU Stage III	CN Phase III	EU Stage V	-
	Rated power	kW/rpm	371/1800	277/2100	92/2200	100/2200	-
	External power module		Configured		Configured (380V,50HZ)		
Crushing System							
3	Pass volume	t/h	150-450	150-450	Depends on the characteristics of the raw materials		
	Crusher power	kW	132	132			
	feed opening	mm	1150 × 760	1150 × 760	-		
	CSS Range	mm	70-200	70-200	Hydraulic adjustment		
Traveling System							
4	Rated power	kW	55	-	-		
	Traveling speed (high/low)	Km/h	1/0.3	1/0.3	Dual speed (high/low), infinitely variable speed		
	Maximum climbing capacity	-	15°	15°	The departure angle of the whole machine is 15°		
	Track tread × distance between left and right centers	mm	4100 × 2500	4100 × 2500	Crawler chassis for Sany excavator		
Operation Mode							
5	Operation screen	-	Touch screen	Touch screen	-		
	Remote control	-	Wireless	Wireless			
	Remote online upgrade	-	Available	Available	Including online services and online trouble diagnosis		
	Multi-machine interlocking		Wired/networking	Wired/networking	Optional		
Transportation Parameters							
6	Unfolded dimensions (L × W × H)	mm	20300 × 6500 × 4450	20300 × 6500 × 4450			
	Transportation dimensions (L × W × H)	mm	18500 × 3400 × 3850	18500 × 3400 × 3850			
	Transportation weight of whole machine	T	63	61			

Sany Mobile Crushing and Screening Equipment

SANY Mobile Cone Crusher

Hybrid-driven & Electric-driven

Hybrid-driven SC11H Series & Electric-driven SC11E Series

Diesel+Electric Hybrid and Intelligent Control Effort and Cost Reduction



It is used for secondary and tertiary crushing and recycling of hard materials with compressive strength not exceeding 300Mpa in construction, transportation, railway, cement, building materials, metallurgy, tailings and other industries.

Scope of Application: Solid wastes from medium/high-hardness natural stone (granite, basalt, pebbles, etc.)

SANY Mobile Cone Crusher

Technical Parameters

Hybrid-driven SC11H Series & Electric-driven SC11E Series

S/N	Main Parameters	Unit	Hybrid-driven	Electric-driven	Remarks	
Feeding System						
1	Nominal volume of receiving hopper	m ³	5.5	5.5		
	Feeding speed	m/s	0-1	0-1	Variable frequency & adjustable	
	Maximum feeding capacity	t/h	400	400		
Power System						
2	Brand	-	Scania	Cummins	Cummins	-
	Emission level	-	CN Phase III		EU Stage V	-
	Rated power	kW/rpm	371/1800	563/2100	92/2200	100/2200
	External power module		Configured		Configured (380V,50HZ)	
Crushing System						
3	Pass volume	t/h	150-400	150-400	Depends on the characteristics of raw materials	
	Crusher power	kW	250	250		
	feed opening	mm	215	215	-	
	CSS Range	mm	19-45	19-45	Hydraulic adjustment	
Traveling System						
4	Rated power	kW	55	-	-	
	Traveling speed (high/low)	Km/h	1/0.3	1/0.3	Dual speed (high/low), infinitely variable speed	
	Maximum climbing capacity	-	9°	9°	The departure angle of the whole machine is 9°	
	Track tread × distance between left and right centers	mm	4100 × 2500	4100 × 2500	Crawler chassis for Sany excavator	
Operation Mode						
5	Operation screen	-	Touch screen	Touch screen	-	
	Remote control	-	Wireless	Wireless		
	Remote online upgrade	-	Available	Available	Including online services and online trouble diagnosis	
	Multi-machine interlocking		Wired/networking	Wired/networking	Optional	
Transportation Parameters						
6	Unfolded dimensions (L × W × H)	mm	21000 × 3500 × 4500	21000 × 3500 × 4500		
	Transportation dimensions (L × W × H)	mm	22000 × 3500 × 3850	22000 × 3500 × 3850		
	Transportation weight of whole machine	T	65	63		

Sany Mobile Crushing and Screening Equipment

SANY Mobile Screening Plant

Hybrid-driven & Electric-driven

Hybrid-driven SCSM1860 Series & Electric-driven SCSM1860E Series

Diesel+Electric Hybrid

It is equipped with high-quality generator set, the diesel engine can be selected or the power grid can be connected according to working conditions, which is powerful and energy-saving.

Efficient Screening

Three-layer large sieve, with single-layer effective screening area up to 10.8m² for efficient screening

Screening Drive

The double side-plated motor drive, which is stable, reliable and easy for maintenance.

Intelligent Operation Control

Smart touchscreen control panel, one-key start, easier operation

Intelligent Traveling

Crawler chassis, wireless remote control and stepless speed regulation

Hydraulic Lifting

Vibrating screen, main belt conveyor and fine material belt conveyor can be lifted/lowered hydraulically, which provides enough space to replace the sieve.

Flexible Matching

It can be reasonably matched with mobile crushing equipment such as mobile impact crusher and mobile cone crusher, and the sieves can be configured on demand to create maximum value for customers.



SANY Mobile Screening Plant

Technical Parameters

Hybrid-driven SCSM1860 Series & Electric-driven SCSM1860E Series

S/N	Main Parameters	Unit	Hybrid-driven	Electric-driven	Remarks
Machine Parameters					
1	Maximum processing power	T/h	300	300	Depends on the characteristics of the raw materials
	Total weight	T	38	38	-
	L × W × H (transportation)	mm	15500 × 3600 × 3800	15500 × 3600 × 3800	-
Screening System					
2	Number of sieve layers	Layers	3	3	-
	L × W	mm	6000 × 1800	6000 × 1500	-
	Power	kW	2 × 7	2 × 7	-
Main Conveyor Belt					
3	Belt width	mm	1200	1200	-
	Power	kW	11	11	-
Transfer Conveyor					
4	Belt width	mm	500	500	-
	Power	kW	3	3	-
Oversized Material Conveyor					
5	Belt width	mm	650	650	-
	Stacking height	mm	3100-3500	3100-3500	-
	Power	kW	5.5	5.5	-
Large Material Conveyor					
6	Belt width	mm	650	650	-
	Stacking height	mm	3500	3500	-
	Power	kW	5.5	5.5	-

S/N	Main Parameters	Unit	Hybrid-driven	Electric-driven	Remarks
Medium Material Conveyor					
7	Belt width	mm	650	650	-
	Stacking height	mm	3500	3500	-
	Power	kW	5.5	5.5	-
Fine Material Conveyor					
8	Belt width	mm	1200	1200	-
	Stacking height	mm	4000	4000	-
	Power	kW	7.5	7.5	-
Power System					
9	Generator set	kW	80	External power supply, 380V	-
	Brand	-	Cummins	-	-
	Emission level	-	CN Phase III	-	-
Traveling System					
10	Power	kW	37	96(CN Phase III)	-
	Traveling speed (high/low)	km/h	0.9/0.4	0.9/0.4	-
	Maximum climbing angle	Degree	9°	9°	Max departure angle
	Track tread × distance between left and right centers	mm	3850 × 2500	3850 × 2500	-
Operation Mode					
11	Operation screen	-	Touch screen	Touch screen	-
	Remote control	-	Wireless	Wireless	-

Sany Mobile Crushing and Screening Equipment

SANY Mobile Screening Plant

Hydraulic-driven

SCSM1560 Series

300 t/h

Fully hydraulic driven

Engine direct-driven gear pump set, equipped with imported hydraulic components, high-efficiency hydraulic system design for higher efficiency and lower oil consumption

High material stacking

Super large, large, medium, and fine materials can be stacked up to 4800mm

Hydraulic lifting

Vibrating screen, main conveyor, and fine material conveyor can all be hydraulically lifted, allowing for easy screen replacement

Intelligent control

Intelligent touch screen control panel with one-button start and stop for simplified operation

Efficient screening

Three-layer large screens driven hydraulically for efficient screening with a capacity of up to 300 tons/h

Intelligent mobility

Wireless remote control with multiple speed settings adjustable

Application scenarios: construction solid waste, tail tunnel residue, white to black transformation, and tailings treatment

Compatible with mobile impact crusher and mobile cone crusher to achieve the screening and recovery of crushed finished materials.



SANY Mobile Screening Plant (Hydraulic-driven)

Technical Parameters

SCSM1560 Series

S/N	Main Parameters	Unit	Values	Remarks
Parameters of the complete machine				
1	Maximum processing capacity	t/h	300	Depending on raw material characteristics
	Total weight	T	43	-
	L × W × H (transportation)	mm	20000 × 3550 × 3650	-
Screening system				
2	Number of sieve layers	Layer	3	-
	Length × width	mm	6000 × 1500	-
	Driven	-	Hydraulic	-
Main conveying belt				
3	Belt width	mm	1200	-
Oversize conveyor				
4	Belt width	mm	650	-
	Stockpile height	mm	4800	-
Large material conveyor				
5	Belt width	mm	800	-
	Stockpile height	mm	4800	-
Medium material conveyor				
6	Belt width	mm	800	-
	Stockpile height	mm	4800	-

S/N	Main Parameters	Unit	Values	Remarks
Fines conveyor				
7	Belt width	mm	1200	-
	Stockpile height	mm	4600-5200	-
Power system				
8	Brands	-	Cummins	-
	Emission grade	-	CN Phase III EU Stage V	-
	Rated power	kw/rpm	97/2200 100/2200	-
	Hydraulic driven	-	Gear pump unit	-
Traveling system				
9	Traveling speed	Km/h	0.7	Adjustable at low speed
	Maximum climbing angle	Degree	9°	Maximum departure angle
	Track tread × left and right center distance	mm	3850 × 2450	-
Operation mode				
10	Operation screen	-	Touch screen	-
	Remote controller	-	Wireless	-
	Remote online upgrade	-	Available	-

Sany Mobile Crushing and Screening Equipment

SANY Mobile Scalper

Hydraulic Version

SS15PD Series

450 t/h

Fully hydraulic driven

Engine direct-driven gear pump set, equipped with imported hydraulic components, high-efficiency hydraulic system design for higher efficiency and lower oil consumption

Chain plate feeder

The chain plate feeder features all material contact surfaces designed with abrasion-resistant steel plates, ensuring longer life and greater reliability.

Intelligent control

Intelligent touch screen control panel with one-button start and stop for simpler operation, remote monitoring, and online upgrades.

Efficient screening

Double-layer heavy-duty screen box with a single layer effective screening area of up to 7.5 square meters. Features a heavy-duty vibrator design with a screening capacity of up to 450 tons/h.

Intelligent mobility

Wireless remote control with multiple speed settings adjustable

Hydraulic lifting

Both the feed and discharge ends of the vibrating screen can be hydraulically lifted, providing ample maintenance space. Additionally, the discharge conveyor hydraulically folds in multiple stages, allowing for a smaller transportation size.



Application scenarios: construction solid waste, tailings treatment, and riverbed mud and stone separation

Compatible with mobile impact crusher and mobile cone crusher for the pre-screening of raw materials. Operates independently to sort and remove impurities from raw materials.

SANY Mobile Scalper

Technical Parameters

SS15PD Series

S/N	Main Parameters	Unit	Values	Remarks
Parameters of the complete machine				
1	Maximum processing capacity	t/h	450	Depending on raw material characteristics
	Total weight	T	39	-
	L × W × H (transportation)	mm	15580 × 3200 × 3550	-
Power system				
2	Brands	-	Cummins	-
	Emission grade	-	CN Phase III	EU Stage V
	Rated power	kw/rpm	97/2200	100/2200
	Hydraulic driven	-	Gear pump unit	Imported/domestic optional
Screening system				
3	Number of sieve layers	layer	2	-
	Length × width	mm	4850 × 1550	-
	Screen configuration	-	Modular top sieve plate: grate plate, needle-shaped sieve plate, punched sieve plate and woven screen	Optional according to requirements
	Rotating speed	rpm	1000	-
Traveling system				
4	Driven	-	Traveling system	Imported motor and gear pump
	Traveling speed	Km/h	0.75	Adjustable at low speed
	Maximum climbing angle	Degree	10°	
	Track tread × left and right center distance	mm	3850 × 2450	
Operation mode				
5	Operation screen	-	Touch screen	
	Remote controller	-	Wireless	

Application Scenarios



Typical Scenarios and Solutions

Municipal solid waste and construction waste crushing & screening line



Mobile Impact Crusher

Mobile Screening Plant

Medium-soft solid waste crushing & screening line, including construction wastes, and other solid wastes from railway, highway and other infrastructure (below 150Mpa)



Mobile Jaw Crusher

Mobile Impact Crusher

Mobile Screening Plant

Medium/high-hardness solid waste crushing & screening line, including solid construction wastes, and other solid wastes from railway, highway and other infrastructure (below 300Mpa)

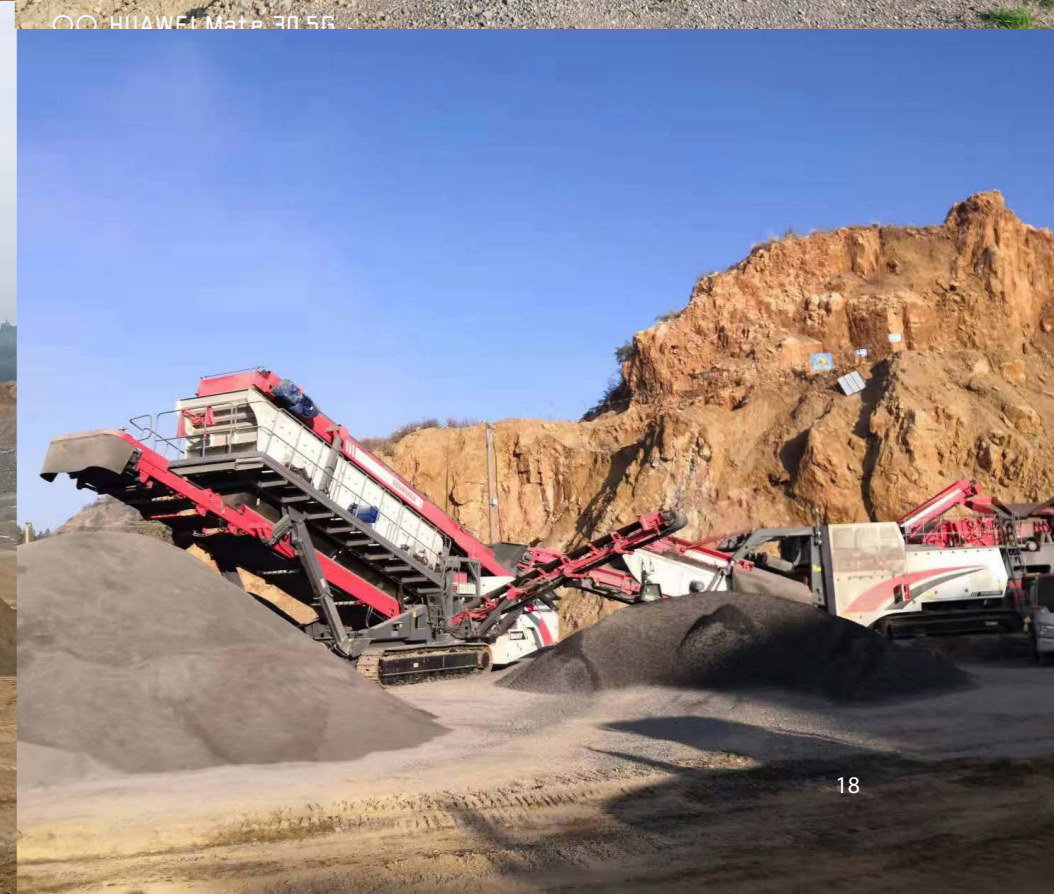


Mobile Jaw Crusher

Mobile Cone Crusher

Mobile Screening Plant





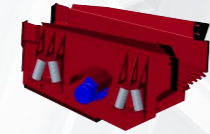
Sany Mobile Crushing and Screening Equipment

Some Key Components



Heavy-duty Rotor Body

Impact resistant heavy-duty welded rotor body;
Unique C-type plate hammer with good crushing effect and wear resistance.



Stand-alone Heavy-duty Pre-screening System

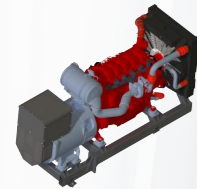
Double-layer heavy-duty pre-screening machine to pre-screen the fine material for reducing the wear of the crusher, and improve the yield;

Side-plated vibration motor and intelligent, automatic, continuous and uniform feeding for high efficiency.



Drive Wheels, Guide Wheels, Idler Wheels, Carrier Wheels and Tracks

With Sany high-strength crawler chassis, strong and reliable drive wheels, guide wheels, idler wheels, carrier wheels and tracks in adaption to various terrain conditions.



ICE+electric Hybrid Power System for Mobile Crushing and Screening

Scania/Volvo/Cummins engines, with strong adaptability to harsh working conditions;
Diesel+electric hybrid, safe switching and intelligent linked control of power and load for low comprehensive energy consumption;
The power cabin is fitted with silent cotton to comprehensively reduce the noise, and the independent heat dissipation of hydraulic power meets the requirements of high temperature and high load conditions.



Vibrating Screens for Mobile Screening Plants

Three-layer vibrating screen, with screening area up to 10.8m² for high screening efficiency of finished product.



Traveling Hydraulic Piston Pump

The piston pump has load feedback so that the traveling speed is stepless adjustable.



Direct Power Drive System for Impact Crusher

Powerful, efficient and fuel-saving Scania engine;
Direct power drive system with high transmission efficiency and more economical transmission;
The power cabin is fitted with silent cotton to comprehensively reduce the noise, and the independent heat dissipation of hydraulic power meets the requirements of high temperature and high load conditions.



Vibration Motor

The screening system is equipped with an imported vibration motor.
The screening system is equipped with a high-quality vibration motor,



Hydraulic Reduction Motor for Traveling

KYB hydraulic motor and high torque reducer, which is powerful and stable.

After-sales Services

“12127” Service Commitment

- Making reply via telephone or WeChat within 1 quarter
- Solving problems online within 2 hours
- Resuming temporary production or solving problems offline within 1 day
- Delivering common accessories or solving problems offline within 2 days
- Solving special problems within 7 days

After-sales Service Hotline: **400 010 3311**

Choose SANY and enjoy lifetime worry-free services

Brand Guarantee of Sany Group

Sany Group is the world's leading equipment manufacturing enterprise, the largest construction machinery manufacturer in China and the third largest in the world, and the world's largest concrete machinery manufacturer. In 2015, it was enrolled into the first batch of pilot demonstration enterprises of "intelligent manufacturing" in China by the Ministry of Industry and Information Technology.

Intelligent Manufacturing Lean Production

The essence of Sany equipment lies in high reliability. Sany introduces the world's leading lean manufacturing process, implements a deviation elimination standard of 1/10000, and strives for excellence in every process, with an aim to making every product perfect.

The World's Top R&D Strength

SANY spends about 7% of its annual sales revenue on R&D. It runs a national technology development center and a post-doctoral mobile workstation. It has applied the most patents in the industry and has won five national science and technology awards.

Marketing Services Around the World

SANY operates in more than 150 countries and regions around the world, including more than 30 marketing service companies, more than 500 marketing service network points, and more than 6,000 top salespersons nationwide.

Whole Industry Chain Financial Services

SANY Finance can provide mortgage loan services for customers who purchase new equipment from SANY. This one-stop and whole-process financial service system can keep you worry-free.

Customer First and Perfect Service

In order to improve the installation and delivery quality of products and enhance the customer satisfaction, Sany has specially formulated a "perfect delivery" program for customers.

