

About Us

Sany Construction Technology Co., Ltd., a subsidiary of Sany Group, is committed to "To Industrialize Construction". By relying on the Sany Group's advantages of "Top Three Manufacturers of Construction Machinery in the World" and Industrial Internet of Things, and focusing on assembled concrete buildings. it has formed a "cross-shaped" Sany building industrialization system solution – SPCS through the R&D and basic research of intelligent equipment and structural technology in 2013–2017, as well as the standard construction and project engineering practice in 2018–2019, where, the "vertical stroke" represents the SPCS technology route (including cavity wall columns + equivalent heterogeneity + mold technology + in-plane operation), and the "horizontal stroke" represents the "5231" key and core technologies (including equipment in 5 categories, standards in 2 categories, software in 3 categories, and 1 platform).

On the way of "To Industrialize Construction", Sany Construction Technology Co., Ltd. always practices the concept of going-green and low-carbon development, focuses on the green absorption, develops and promotes a full range of mobile crushing and recycling equipment and solutions and adheres to the concept of "high efficiency and energy saving, making crushing and recycling more economical" to realize the reuse of construction waste and infrastructure solid waste as resource.



Mobile Impact Crusher

- Diesel-driven SCIM1213R Series
- Electric-driven SCIM1213RE Series



Mobile Jaw Crusher

- Hybrid-driven SCJM1208H Series
- Electric-driven SCJM1208E Series



Mobile Cone Crusher

Hybrid-driven SCCM1100RH SeriesElectric-driven SCCM1100RH Series



Mobile Screening Plants

- Hvbrid-driven SCSM1860 Series
- Electric-driven SCSM1860E SeriesHydraulic-driven SCSM1560 Series
- Scalper SCSM1550P Series

Sany Mobile Impact Crusher

Diesel-driven & Electric-driven

Diesel-driven SCIM1213R Series & Electric-driven SCIM1213RE 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 prescreening
- Direct drive of crusher by engine
- Double-chamber structure and highprecision 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 SCIM1213R Series & Electric-driven SCIM1213RE Series

S/N	Main Parameters	Unit	Diesel-driven	Electric-driven	Remarks		
				Feeding System			
	Nominal volume of receiving hopper	m³	6	6	Standard configuration		
1	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			
	Brand	-	Scania	Yuchai / Cummins	-		
2	Emission level	-	China-IV	Euro V	_		
	Rated power	kW/rpm	368/1800	368/1800	-		
				Crushing System			
	Processing capacity	t/h	150-450	150-450	Depends on the characteristics of the raw materials		
3	Crusher power	kW	260/ (Direct engine drive)	260/ (Direct engine drive)			
	Rotor size (D × W)	mm	φ 1200 × 1300	φ 1200 × 1300	-		
	CSS Range	mm	23-100	23-100	Hydraulic adjustment of outlet size		
	Traveling System						
	Rated power	kW	55	55	-		
4	Traveling speed (high/low)	Km/h	1/0.3	1/0.3	Maximum speed on flat ground/slope		
ļ .	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			
_	Operation screen	_	Touch screen	Touch screen	-		
5	Remote control	_	Wireless	Wireless	-		
	Remote online upgrade	-	Available	Available	Including online services and online trouble diagnosis		
			Tran	sportation Parameters			
6	Transportation dimensions (L \times W \times H)	mm	21800 × 3400 × 3900	21800 × 3400 × 3900	Including final screening system		
	Transportation weight of whole machine	Т	67	63	Including final screening system		

SANY Mobile Jaw Crusher

Hybrid-driven & Electric-driven

Hybrid-driven SCJM1208H Series & Electric-driven SCJM1208E 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 SCJM1208H Series & Electric-driven SCJM1208E Series

S/N	Main Parameters	Unit	Hybrid-driven	Electric-driven	Remarks		
			Fe	eding System			
	Nominal volume of receiving hopper	m³	6	6	Standard configuration		
1	Maximum feeding size	mm	700	700	-		
	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						
	Brand	-	Scania / Cummins	Yuchai / Cummins	-		
2	Emission level	-	China-IV	Euro V	-		
	Rated power	kW/rpm	368/1500	368/1500	-		
	External power module		Configuration	Configuration 380V,50HZ	Diesel+Electric hybrid		
			Cr	ushing System			
	Processing capacity	t/h	150-450	150-450	Depends on the characteristics of the raw materials		
3	Crusher power	kW	132	132			
	Throughput	mm	1150×760	1150×760	-		
	CSS Range	mm	70-200	70–200	Hydraulic adjustment		
	Traveling System						
	Rated power	kW	55	-	-		
4	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		
			Op	peration Mode			
	Operation screen	-	Touch screen	Touch screen	-		
5	Remote control	-	Wireless	Wireless			
	Remote online upgrade	-	Available	Available	Including online services and online trouble diagnosis		
	Multi-machine interlocking		Wired/networking	Wired/networking	Optional		
			Transpo	ortation Parameters			
6	Unfolded dimensions (L \times W \times H)	mm	20120 × 6500 × 4450	20120 × 6500 × 4450			
6	Transportation dimensions (L × W × H)	mm	18500 × 3400 × 3850	18500 × 3400 × 3850			
	Transportation weight of whole machine	Т	63	62			

SANY Mobile Cone Crusher

Hybrid-driven & Electric-driven

Hybrid-driven SCCM1100RH Series & Electric-driven SCCM1100RH 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 SCCM1100RH Series & Electric-driven SCCM1100RH Series

S/N	Main Parameters	Unit	Hybrid-driven	Electric-driven	Remarks			
			Feeding	g System				
4	Nominal volume of receiving hopper	m³	5.5	5.5				
1	Feeding speed	m/s	0-1	0-1	Variable frequency & adjustable			
	Maximum feeding capacity	t/h	400	400				
	Power System							
	Brand	-	Scania / Cummins	Scania / Cummins	-			
2	Emission level	_	China-III	China-IV	-			
	Rated power	kW/rpm	368/1500	368/1500	-			
	External power module		Configuration	Configuration 380V,50HZ	Diesel+Electric hybrid			
			Crushin	g System				
	Pass volume	t/h	150-400	150-400	Depends on the characteristics of raw materials			
3	Crusher power	kW	250	250				
	Throughput	mm	215	215	-			
	CSS Range	mm	19-45	19-45	Hydraulic adjustment			
	Traveling System							
	Rated power	kW	55	-	-			
4	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			
			Operati	ion Mode				
	Operation screen	-	Touch screen	Touch screen	-			
5	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	on Parameters				
6	Unfolded dimensions (L \times W \times H)	mm	21000 × 3500 × 4500	21000 × 3500 × 4500				
Ü	Transportation dimensions (L \times W \times H)	mm	22000 × 3500 × 3850	22000×3500×3850				
	Transportation weight of whole machine	Т	65	63				

SANY Mobile Screening Plant

Hybrid-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 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

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

SANY Mobile Screening Plant (Hybrid-driven)

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	Т	35	43	-		
	L × W× H (transportation)	mm	15500 × 3600 × 3800	20000 × 3550 × 3650	-		
			Feeding syste	em			
2	Feeding height	mm	-	3400	Grille mounted		
2	Feeding hopper volume	m3	-	8			
	Belt Width	mm	_	1200			
	Screening System						
3	Number of sieve layers	Layers	3	3	-		
3	$L \times W$	mm	6000 × 1800	6000 × 1500	-		
	Max screening size	mm	150 × 150	150 × 150	-		
4	Main Conveyor Belt						
4	Belt width	mm	1200	1200	-		
5	Transfer Conveyor						
5	Belt width	mm	500	650	-		
	Oversized Material Conveyor						
6	Belt width	mm	650	650	-		
	Stacking height	mm	3100-3500	4800	-		
		Lar	ge Material Co	nveyor			
7	Belt width	mm	650	800			
	Stacking height	mm	3500	4800			

S/N	Main Parameters	Unit	Hybrid- driven	Electric- driven	Remarks			
	Medium Material Conveyor							
8	Belt width	mm	650	800	-			
	Stacking height	mm	3500	4800	-			
		Fi	ne Material (Conveyor				
9	Belt width	mm	1200	1200	-			
	Stacking height	mm	4000	4600-5200	-			
			Power Sy	stem				
	Generator set	kW	80	100				
10	Brand	-	Volvo/ Cummins	Cummins	-			
	Emission level	-	National-IV	EURO V	-			
	Traveling System							
	Traveling speed (high/ low)	km/h	0.9/0.4	0.7/0.3				
11	Maximum climbing angle	Degree	9°	9°	Max departure angle			
	Track tread × distance between left and right centers	mm	3850×2500	3840 × 2450				
			Operation	Mode				
12	Operation screen	-	Touch screen	Touch screen				
	Remote control	_	Wireless	Wireless				

SANY Mobile Screening Plant

Hydraulic-driven

SCSM1560 Series

Fully hydraulic driver

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.

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 onebutton start and stop for simplified operation 300 t/h

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.

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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	Т	43	-			
	L × W × H (transportation)	mm	20000 × 3550 × 3650	_			
		So	creening system				
2	Number of sieve layers	Layer	3	-			
2	Length × width	mm	6000×1500	-			
	Driven	-	Hydraulic	-			
3	Main conveying belt						
3	Belt width	mm	1200	-			
	Oversize conveyor						
4	Belt width	mm	650	-			
	Stockpile height	mm	4800	-			
		Large	e material convey	or			
5	Belt width	mm	800				
	Stockpile height	mm	4800				
		Mediu	m material convey	or or			
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	-			
		Po	ower system				
	Brands	-	Cummins	-			
8	Emission grade	-	EURO V	_			
	Engine power	kw/rpm	100/2200				
	Hydraulic driven	-	Gear pump unit	_			
	Traveling system						
9	Traveling speed	Km/h	0.7	Adjustable at low speed			
9	Maximum climbing angle	Degree	9°	Maximum departure angle			
	Track tread × left and right center distance	mm	3850 × 2450				
		Ор	eration mode				
10	Operation screen	-	Touch screen				
	Remote controller	-	Wireless				

SANY Mobile Scalper

Hydraulic Version

SCSM1550P Series

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 feede

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 corooning

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

450 t/h

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

SCSM1550P Series

S/N	Main Parameters	Unit	Values	Remarks		
	Parameters of the complete machine					
4	Maximum processing capacity	t/h	450	Depending on raw material characteristics		
ı	Total weight	Т	35	-		
	L×W×H (transportation)	mm	15500 × 3200 × 3600	-		
			Power system			
	Brands	-	Cummins	-		
2	Emission grade	-	EURO V	_		
	Engine power	kw/rpm	100/2200			
	Hydraulic driven	_	Gear pump unit	Imported/domestic optional		
	Screening system					
	Number of sieve layers	layer	2	-		
3	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			
	Driven	-	Traveling system	Imported motor and gear pump		
4	Traveling speed	Km/h	0.8	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 Plants

Medium-soft solid waste crushing & screening line, including construction wastes, and other solid wastes from railway, highway and other infrastructure (below 15







Mobile Screening Plants

astes, and other solid wastes from railway, highway and other infrastructure (below 300Mpa)









Mobile Screening Plants





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.



and-alone Heavy-duty

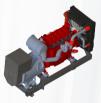
Double-layer heavy-duty prescreening machine to pre-screen the fine material for reducing the wear of the crusher, and improve the yield;

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



rive Wheels, Guide Wheels, Idler /heels, 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

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 an high-quality vibration motor,



Hydraulic Reduction Motor for Traveling

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



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.