

QUALITY CHANGES THE WORLD

SANY®

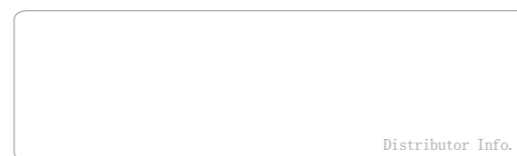
SANY MILLING MACHINE



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Distributor Info.

Due to our process of continuous innovation, materials and specifications are subject to change without notice.

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SANY MILLING MACHINE
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Best Milling Machine
Able to "Crack Hard Nuts"



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SCM1000C-8/1300C-8 MILLING MACHINE

HIGHLY EFFICIENT

- ◆ Type 180 kW engine maintains adequate power output
- ◆ Mechanical drive of milling ensures more direct power transmission and stronger resistance to overload.
- ◆ Standard four-wheel drive makes driving powerful.
- ◆ 500 mm ultra-wide conveyor ensures high material conveying capacity.

HIGHLY APPLICABLE

- ◆ Widened front wheel tread ensures easy access to ordinary flat car.
- ◆ Milling radius ≤ 1.2 m contributes to easy corner milling.
- ◆ The highest convey height in industry is able to be compatible with "dumper".

CONVENIENT AND INTELLIGENT

- ◆ SYMC intelligent controller and standard Automatic Leveling System.
- ◆ Visible parameters of on/off, current and voltage for control circuit ensure easy inspection, monitoring and maintenance.
- ◆ Intelligent prompt of maintenance and fault alarm

ECONOMICAL AND RELIABLE

- ◆ 15 mm standard pitch milling drum brings dense milling texture and saves materials.
- ◆ Drive conveyor has slack side and tensioning bearing to ensure a longer service life.
- ◆ Alloy tail gate scraper contributes to clean receiving of materials and a longer service life.



TECHNICAL PARAMETER

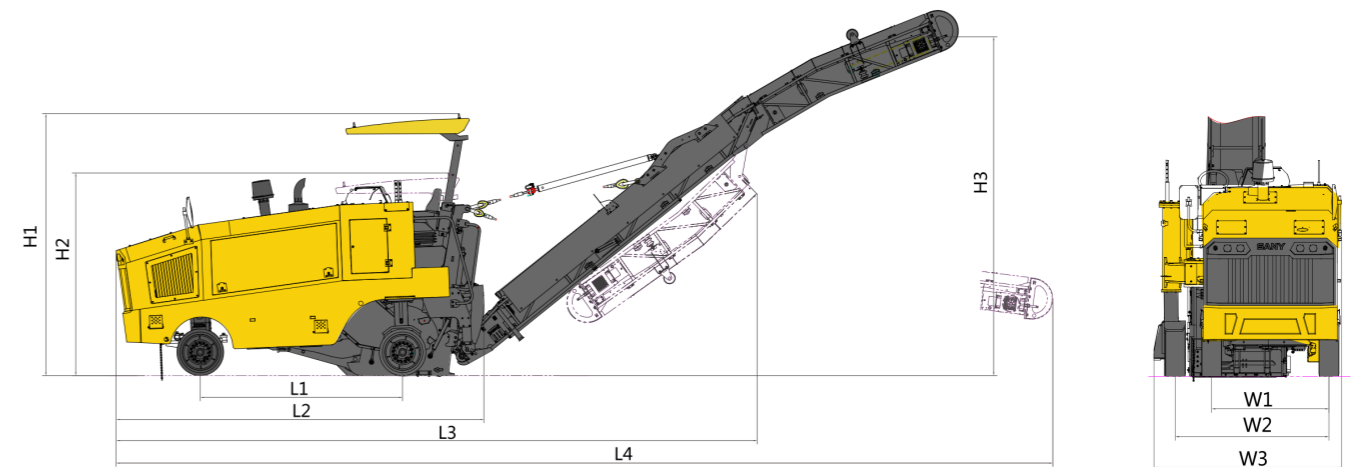
Technical Parameters of Milling Machine

ITEMES	SCM1000C-8	SCM1300C-8
Milling width	1000 mm	1300 mm
Milling depth	0-280 mm	0-280 mm
Milling tool bit distance	15 mm	15 mm
Rotor diameter	930 mm	930 mm
Number of cutting teeth	100pc	119pc
Travel Speed	0-8 km/h	0-8 km/h
Working Speed	0-40 m/min	0-40 m/min
Theoretical Gradeability(work gear)	75%	75%
Theoretical Gradeability(ravel gear)	10%	10%
Travel Drive Mode	Tyre	Tyre
Engine Brand	SANY	SANY
Engine Model	D07S3-245E0	D07S3-245E0
Rated Power of Engine	180 kW	180 kW
Rated Speed of Engine	2200	2200
Emission Standard	China III	China III
Voltage of Electric System	24V	24V
Transport Size	8550 x 1900 x 2700 mm	8550 x 1900 x 2700 mm
Transportation weight	14.5 T	14.9 T
Operating weight	15.2 T	15.6 T
Fuel Tank Capacity	400 L	400 L
Water Tank Capacity	800 L	800 L
Hydraulic Oil Tank Capacity	120 L	120 L
Width of Conveyor Belt	500 mm	500 mm
Max. discharging height	4500 mm	4500 mm

Main Dimension	SCM1000C-8	SCM1300C-8
L1(mm)	2690	2690
L2(mm)	4890	4890
L3(mm)	8550	8550
L4(mm)	12560	12560
H1(mm)	3480	3480
H2(mm)	2690	2690
H3(mm)	4500	4500
W3(mm)	2320	2620
W2(mm)	1900	2200
W1(mm)	1450	1450

Basic and Optional Configuration of Milling Machine

Model	Basic Configuration	Optional/Additional Configuration	
	Basic Configuration	Name and Specification	Configuration Property
SCM1000C-8 SCM1300C-8	SANY D07 engine + 4WD + mechanical belt drive + milling drum with the standard cutter space + level por + foldable conveyor	Milling drum of quick-change toolholders (18mm tool spacing)	Additional
		Fine milling drum (one milling tooth in a line)	Additional
		Fine milling drum (two milling teeth in a line)	Additional



Note:
 1) The working weight includes that of a half tank of water, a half tank of fuel, the operator (75 kg) and cutting tool;
 2) The standard milling width is 2,010 mm.

SCM2000C-8S MILLING MACHINE

LIGHTWEIGHT BODY, STEADY OPERATING

- ◆ Whole machine weight reduced to 31 ton which is convenient for Transportation by any six-axle vehicle.
- ◆ New designed structure and higher center of gravity contribute the traction and steady working condition to the largest extent.

POWERFUL CONVEYING ABILITY

- ◆ 850mm extra wide conveyor belt mated with higher conveying speed guarantees the working ability under big quantity conveying.
- ◆ Left/right 60° ultra high swing angle suitable for loading all size material truck.

Superb milling property

- ◆ Maximum 330mm milling depth makes it to finish the milling on surface layer, structure layer and basic layer in one time.
- ◆ Maximum 330mm milling depth makes it to finish the milling on surface layer, structure layer and basic layer in one time.

INTELLIGENT, CONVENIENT OPERATING CONFIGURATION

- ◆ Rotary operating position helps the operator to get bigger visual field when seated and to decrease the labor intensity.
- ◆ Simplified driving and operating panel and left/right adjustable indicator help the operator to get all milling parameters no matter seated on main position or side position.
- ◆ One button working and working pause mode helps to reduce operating difficulty and labor intensity.

RELIABLE POWER MATCHING DESIGN

- ◆ Original USA Cummins engine coordinates with reasonable power curve guaranteed the engine working with high efficiency and long lifetime.
- ◆ Three shift speed governing is suitable for all working conditions and meet customer requirements on economical, efficient and fine modes.

CONVENIENT AND SIMPLE MAINTENANCE

- ◆ Big open aperture for the engine cover and radiator cover saves 50% time for maintenance and cleaning inside engine room.
- ◆ Sufficient storage rooms is convenient for storing spare parts and tools
- ◆ Engine failure self-diagnosis, electrical components centralized, fuel and hydraulic oil filling at the same side.



TECHNICAL PARAMETER

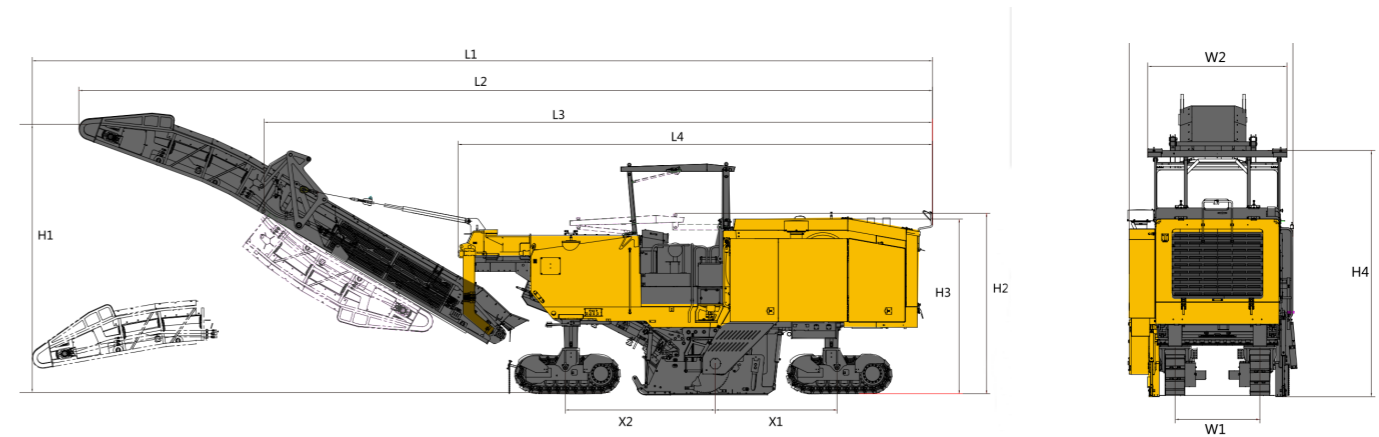
Technical Parameters of Milling Machine

ITEMES	SCM2000C-8S
Milling width	2010 mm
Milling depth	0-330 mm
Milling tool bit distance	18 mm
Rotor diameter	1070 mm
Number of cutting teeth	150 pc
Travel Speed	0-5 km/h
Working Speed	0-84m/min
Travel Drive Mode	Track
Engine Brand	Cummins
Engine Model	QSX15
Rated Power of Engine	496 kW
Rated Speed of Engine	2100
Emission Standard	Tier3
Voltage of Electric System	24 V
Transport Size	12240 mm × 2660 mm × 3150 mm
Transportation weight	31 T
Operating weight	33 T
Fuel Tank Capacity	1080 L
Water Tank Capacity	3200 L
Hydraulic Oil Tank Capacity	270 L
Width of gathering belt	850 mm
Width of loader conveyor belt	850 mm

Main Dimension	SCM2000C-8S
L1(mm)	15970
L2(mm)	15143
L3(mm)	12240
L4(mm)	8420
H1(mm)	4700
H2(mm)	3150
H3(mm)	3091
X1(mm)	2160
X2(mm)	2660
W3(mm)	2660
W2(mm)	2300
H4(mm)	4064
W1(mm)	1400

Basic and Optional Configuration of Milling Machine

Model	Basic Configuration		Optional/Additional Configuration	
	Basic Configuration	Name and Specification	Name and Specification	Configuration Property
SCM2000C-8S	American Cummins engine + SYMC electronic control system + milling drum with 2.0-m standard space + two longitudinal gradient leveling sensors and one cross gradient leveling sensor	2.0m milling drum	2.0m fine milling drum (one tooth in a line)	Optional
		/	2.0-m fine milling drum (two teeth in a line)	Optional



Note:

- 1) The working weight includes that of a half tank of water, a half tank of fuel, the operator (75 kg) and cutting tool;
- 2) The standard milling width is 2,010 mm.

LEAN MANUFACTURING

Personnel in the Company make every efforts to constantly strive for perfection and continuously achieve a higher Chinese manufacturing level; Behind various reputable “No.1” achievements is their ambition to realize Chinese creation from Chinese manufacturing.



The Company has achieved complete flow-line manufacturing of road machinery through elaborate design, optimized layout, technical innovation and controlled quality, and continuously performs automated and intelligentized innovation research and widely uses “new technologies, new equipment and new materials”, such as information-oriented production management, full-automatic welding robots, AGVs and automated high-rise warehouses; the Company implements rigorous quality control to ensure that each product is perfect and shows excellent performance when working in various complicated conditions.

SANY personnel have tenaciously opened a new scientific and technological development road and set a new standard for Chinese engineering machinery industry.

TEST SYSTEM



•Simulation Analysis and Experimental Testing for Key Structural Member

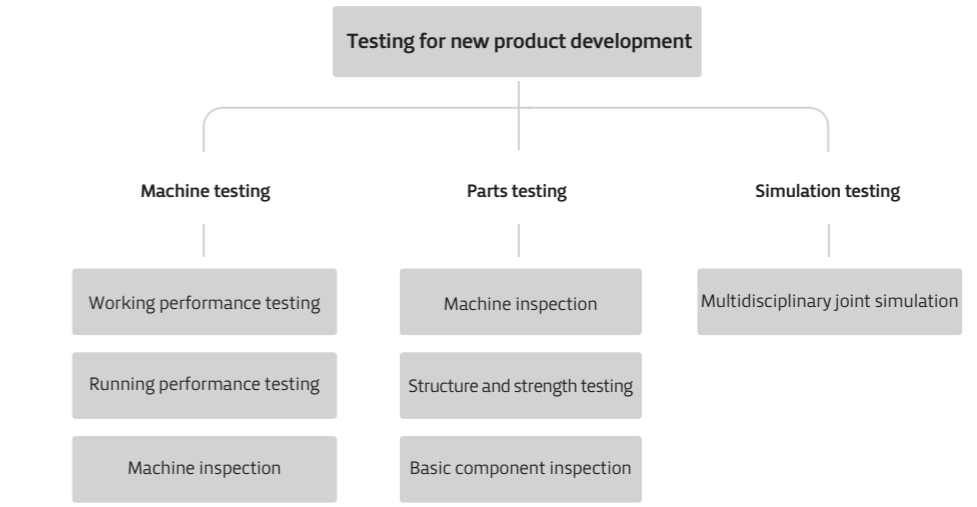
•Flow Field Analysis and Experimental Verification for Radiator Fan

•Temperature Testing for Travelling Reducer

•Vibration Testing Bench

•Strict Control for Parts

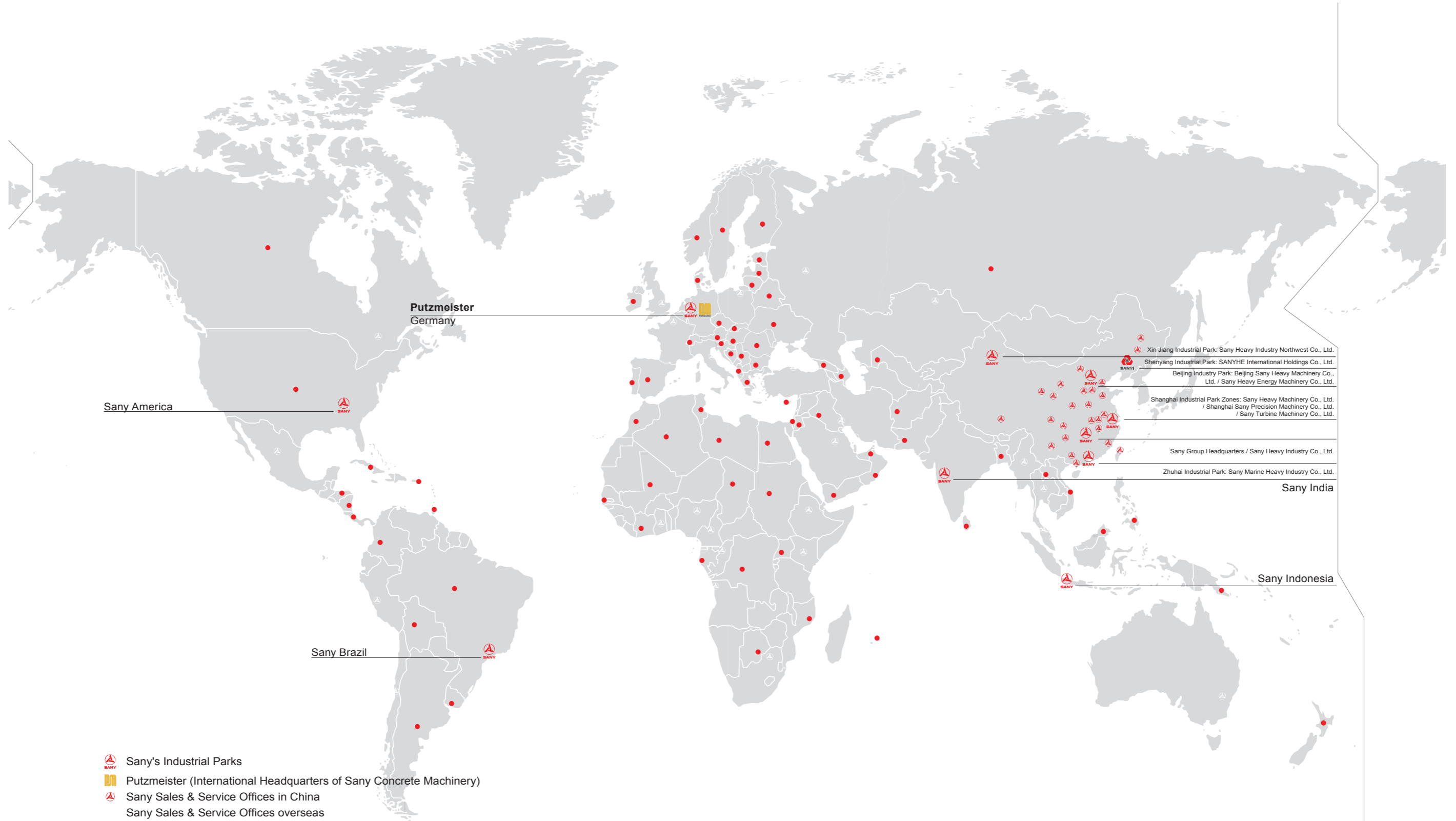
Pressure-bearing Testing for Supporting Wheel








Testing System Development

To establish an internationally advanced road machinery development platform, SANY Road Machinery Co., Ltd. has developed a cross-system and cross-department product development process by relying on 9 experimental testing centers and 58 enterprise-level laboratories, such as the remote monitoring service and fault diagnosis laboratory for engineering machinery, hydraulic laboratory, hydromechatronic control and simulation laboratory, diesel engine laboratory, equipment fatigue (service life) laboratory, welding laboratory, strength (stress) laboratory, abrasion-resistant materials laboratory, full-automatic vehicle chassis inspection line;

Through the construction of “testing infrastructure, testing for new product development, experiencing platform for customers and working condition simulation database”, the Company has developed a three-level system consisting of machine testing, parts testing and simulation testing; Now the Company is able to develop asphalt batching plants, pavers, motor graders, rollers and milling machines and to research and test relevant core technologies, thus comprehensively enhancing its core competitiveness in research and development.



-  Sany's Industrial Parks
-  Putzmeister (International Headquarters of Sany Concrete Machinery)
-  Sany Sales & Service Offices in China
-  Sany Sales & Service Offices overseas
-  Sany Global Coverage