

QUALITY CHANGES THE WORLD

SANY®

SANY ROLLERS



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SANY ROAD MACHINERY

Hunan Sany Road Machinery Co., Ltd, a subsidiary of Sany Heavy Industry, is one of the largest whole-set road machinery suppliers in China. Its products portfolios include six product series: the asphalt paver series, the roller series, the asphalt mixing equipment series, the motor grader series, the cold planer series, and the casting-style asphalt paving equipment series.

With its motto of "Quality changes the world," and the mission of "Creating Max. value for customers," the company has set up the Sany Road Machinery Research Institute in the US and the Sany Road Machinery Research Institute in Germany. Its products embody the most cutting-edge technologies in the world. Among them, the heavy-duty motor graders designed in America and the tandem drum compactors designed in Germany are the best of the best in the world. Its asphalt pavers and asphalt batching plants have had the largest market share in China for five years in a row and have been sold to over 60 countries as China's number one brand. The company's eco-friendly and energy saving asphalt batching plants, dubbed the "green asphalt plants," are industry-leading products in environment conservation. Its casting-style asphalt paving equipment will make history in road building.

For construction of highways, airports and higher-grade roads in cities and the global market, we provide our customers with whole-set road-building equipment and serial solutions. We have built a truly exceptional service system to rid our customers of any worry or concern. We have been voted the first place for three consecutive years in a national customer satisfaction survey conducted by the China Quality Association, which shows how much confidence our customers have put on us. We make road-building machinery for China and the world. We will strive non-stop to contribute to global economic development and road building.



SANY SSR SERIES SINGLE DRUM ROLLER

VERSATILE COMPACTING CAPABILITY

- ◆ Best for complex working conditions of all types

LONGER SERVICE LIFE OF THE MACHINE

- ◆ Water wheel type lubrication device, fully lubricating the bearing and extending its working life up to 5,000 hours
- ◆ Engine intake of air at a higher position, air filtered twice and oil ducts filtered by three Stages

HIGHER COMPACTION EFFICIENCY

- ◆ Excitation force 10% higher than products of the same category in the industry; compaction productivity 16.7% higher

ERGONOMIC DESIGNED MACHINE WITH INCREDIBLE SAFETY

- ◆ Meticulously ergonomic design, safe and reliable

MORE COMFORTABLE AND SMART MANIPULATION FORCE

- ◆ Outstanding cab vibration reduction effect



TECHNICAL PARAMETERS

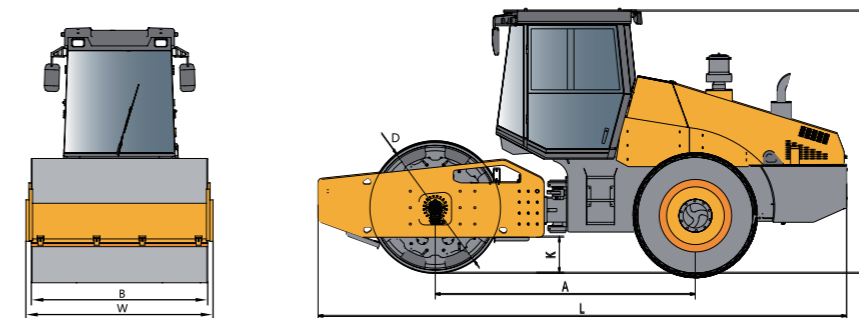
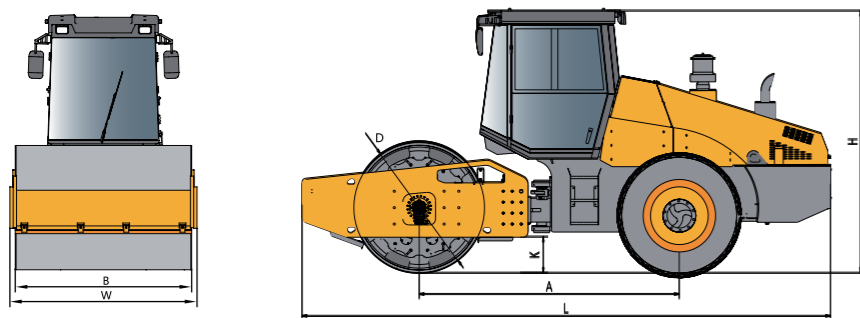
SSR Series Single Drum Roller Technical Parameters

Model		SSR70-5	SSR80-5	SSR90-5	
Weight and Load	Operating Weight (kg)	7000	8000	9000	
	Weight at Drum (kg)	3600	4400	4700	
	Weight at Transaxle (kg)	3400	3600	4300	
	Drum Static Linear Load (N/cm)	214	262	221	
Compaction Mechanism	Vibration Frequency (Hz)	30/42	30/42	30/30	
	Nominal amplitude (mm)	1.6/0.6	1.6/0.6	2.0/1.0	
	Excitation Force (kN)	130/95	130/95	246/124	
	Drum Diameter (mm)	1216	1216	1500	
	Drum Width (mm)	1680	1680	2130	
	Drum Edge Thickness (mm)	25	25	25	
Maneuverability	Travel Speed	High (km/h)	0-8.3/0-11.3	0-8.3/0-11.3	0-8.2/0-10.1
		Low (km/h)	0-5.7/0-7.5	0-5.7/0-7.5	0-6.2/0-7.3
	Theoretical Gradeability	Vibratory (%)	51	51	51
		Non-Vibratory(%)	55	55	55
	Ground Clearance (mm)	340	340	480	
	Wheelbase (mm)	2780	2780	2950	
	Steering Angle (°)	± 35	± 35	± 35	
	Swing Angle (°)	± 12	± 12	± 12	
	Min Turning Outside Diameter (mm)	10750	10750	11600	
	Tires	14.9-24-8PR	14.9-24-8PR	23.1-26-8PR	
Engine	Brand	Cummins	Cummins	Cummins	
	Model	4BTAA3.9-C100	4BTAA3.9-C100	4BTAA3.9-C125	
	Emissions	Stage II	Stage II	Stage II	
	Rated Power (kW)	74	74	93	
	Accumulator (VxAh)	24 × 100	24 × 100	24 × 100	
Capacity	Fuel Tank (L)	130	130	200	
	Hydraulic Oil Tank (L)	90	90	120	

Model		SSR100-5	SSR120-5	SSR180-5	SSR200-5	
Weight and Load	Operating Weight (kg)	10000	12000	18000	20000	
	Weight at Drum (kg)	5700	7000	12400	13600	
	Weight at Transaxle (kg)	4300	5000	5600	6400	
	Drum Static Linear Load (N/cm)	268	329	582	638	
Compaction Mechanism	Vibration Frequency (Hz)	30/30	32/36	29/35	29/35	
	Nominal amplitude (mm)	2.0/1.0	1.8/0.9	1.9/0.95	1.9/0.95	
	Excitation Force (kN)	246/124	280/178	380/275	380/275	
	Drum Diameter (mm)	1500	1500	1600	1600	
	Drum Width (mm)	2130	2130	2130	2130	
	Drum Edge Thickness (mm)	25	25	40	40	
Maneuverability	Travel Speed	High (km/h)	0-8.2/0-10.1	0-8.2/0-10.1	0-6/0-8	0-6/0-8
		Low (km/h)	0-6.2/0-7.3	0-6.2/0-7.3	0-4.5/0-5.5	0-4.5/0-5.5
	Theoretical Gradeability	Vibratory (%)	51	51	45	45
		Non-Vibratory(%)	55	55	50	50
	Ground Clearance (mm)	480	480	410	410	
	Wheelbase (mm)	2950	2950	3185	3185	
	Steering Angle (°)	± 35	± 35	± 35	± 35	
	Swing Angle (°)	± 12	± 12	± 12	± 12	
	Min Turning Outside Diameter(mm)	11600	11600	12350	12350	
	Tires	23.1-26-8PR	23.1-26-8PR	23.1-26-8PR	23.1-26-8PR	
Engine	Brand	Cummins	Cummins	Deutz	Deutz	
	Model	4BTAA3.9-C125	4BTAA3.9-C125	BF6M1013EC	BF6M1013EC	
	Emissions	Stage II	Stage II	Stage II	Stage II	
	Rated Power (kW)	93	93	174	174	
	Accumulator (VxAh)	24 × 100	24 × 100	24 × 100	24 × 100	
Capacity	Fuel Tank (L)	200	200	300	300	
	Hydraulic Oil Tank (L)	120	120	150	150	

Size Code	SSR70-5	SSR80-5	SSR90-5
A (mm)	2780	2780	2950
W (mm)	1810	1810	2220
L (mm)	5200	5200	5750
D (mm)	1216	1216	1500
H (mm)	3050	3050	3190
B (mm)	1680	1680	2130
K (mm)	340	340	480

Size Code	SSR100-5	SSR120-5	SSR180-5	SSR200-5
A (mm)	2950	2950	3185	3185
W (mm)	2240	2240	2270	2270
L (mm)	5750	5750	6620	6620
D (mm)	1500	1500	1600	1600
H (mm)	3190	3190	3330	3330
B (mm)	2130	2130	2130	2130
K (mm)	480	480	410	410

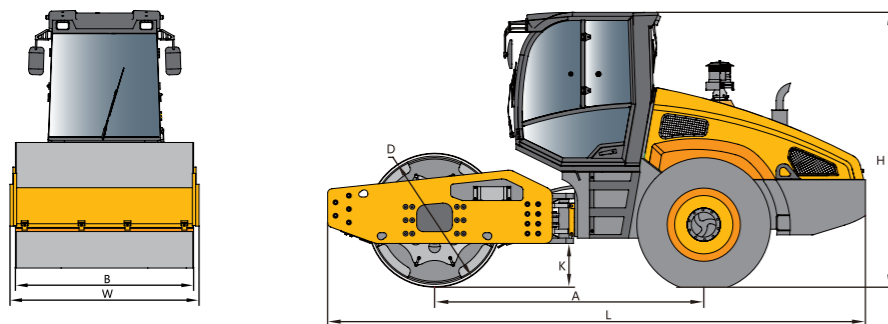


TECHNICAL PARAMETERS

SSR Series Single Drum Roller Technical Parameters

Model		SSR200-3	SSR220-3	SSR260-5	
Weight and Load	Operating Weight (kg)	20000	22000	26700	
	Weight at Drum (kg)	10000	11000	17100	
	Weight at Transaxle (kg)	10000	11000	9600	
	Drum Static Linear Load (N/cm)	470	516	788	
Compaction Mechanism	Vibration Frequency (Hz)	29/35	29/35	27/31	
	Nominal amplitude (mm)	1.9/0.95	1.9/0.95	2.05/1.03	
	Excitation Force (kN)	368/258	390/258	416/275	
	Drum Diameter (mm)	1600	1600	1700	
	Drum Width (mm)	2130	2130	2170	
	Drum Edge Thickness (mm)	40	40	40	
Maneuverability	Travel Speed	High (km/h)	0~10	0~10	0~8/0~11
		Low (km/h)	0~5	0~5	0~6/0~7.5
	Gradeability	Vibratory (%)	35	30	43
		Non-Vibratory (%)	35	30	45
	Ground Clearance (mm)	410	410	495	
	Wheelbase (mm)	3185	3185	3261	
	Steering Angle (°)	± 35	± 35	± 35	
	Swing Angle (°)	± 12	± 12	± 12	
	Min Turning Outside Diameter (mm)	12350	12350	12800	
	Tires	20.5-25-16	20.5-25-16	23.5-25-16	
Engine	Brand	Weichai	Weichai	Deutz	
	Model	WP6G190E22	WP6G190E22	BF6M1013EC	
	Emissions	NR2	NR2	Stage II	
	Rated Power (kW)	140	140	174	
Capacity	Accumulator (VxAh)	24 × 100	24 × 100	24 × 100	
	Fuel Tank (L)	300	300	300	
	Hydraulic Oil Tank (L)	100	100	200	

Size Code	SSR200-3	SSR220-3	SSR260-5
A (mm)	3185	3185	3261
W (mm)	2270	2270	2450
L (mm)	6620	6620	6717
D (mm)	1600	1600	1700
H (mm)	3330	3330	3190
B (mm)	2130	2130	2170
K (mm)	410	410	495



Single Drum Rollers SSR70-5/SSR80-5 Standard and Optional Configuration

Config	Name of Systems	Name of Parts	Quantity	Details		Remarks
Standard Configuration	Main Machine	SSR70-5 Single Drum Roller, Standard	1	1.Engine 2.Travel Pump 3.Vibration Pump 4.Travel Motor 5.Vibration Motor 6.Reduction Gears 7.Transaxle 8.Operating Platform	9.Vibratory Drum (Smooth) 10. Electrical System 11. Operating System 12. Front Frame 13. Rear Frame 14. Covering Part 15. Rear Axle Assembly 16. Center Articulated Frame	Select one out of two
		SSR80-5 Single Drum Roller, Standard				
Optional Configuration	Cab	Cab Assembly	1	Work in windy and sandy conditions		Substitute operating platforms permissible
	Cab + Air Con	Cab Assembly	1	Work in windy, sandy, and extreme temperature conditions		Substitute operating platforms permissible
		Air Con	1			
High Altitude Adaptation System	High Altitude Adaptation System	1	Suitable for work at 2500 – 4500 meters of altitudes.		Optional	

TECHNICAL PARAMETERS

Single Drum Rollers SSR90-5/SSR100-5/SSR120-5 Standard and Optional Configurations

Config	Name of Systems	Name of Parts	Quantity	Details		Remarks
Standard Configuration	Main Machine	SSR90-5 Single Drum Roller, Standard	1	1.Engine 2.Travel Pump 3.Vibration Pump 4.Travel Motor 5.Vibration Motor 6.Reduction Gears 7.Transaxle 8.Operating Platform	9.Vibratory Drum (Smooth) 10.Electrical System 11.Operating System 12.Front Frame 13.Rear Frame 14.Covering Part 15.Rear Axle Assembly 16.Center Articulated Frame	Select one from three
		SSR100-5 Single Drum Roller, Standard	1			
		SSR120-5 Single Drum Roller, Standard	1			
Optional Configuration	Cab	Cab Assembly	1	Work in windy and sandy conditions		Substitute operating platforms permissible
	Cab + Air Con	Cab Assembly	1	Work in windy, sandy, and extreme temperature conditions		Substitute operating platforms permissible
		Air Con	1			
	Vibratory Drum with Welded pad foot	Drum with Welded pad foot	1	Vibratory drum with welded pad foot, which cannot be removed, suitable for compaction of clay, semi-clay, rocks, gravels, expansive soil, and coal cinder base		Substitute smooth drums permissible
	Vibratory Drum with Assembled pad foot	Drum with Assembled pad foot	1	Vibratory drum with assembled pad foot, which can be removed to form a smooth drum; suitable for compaction of clay, semi-clay, rocks, gravels, expansive soil, and coal cinder base		Optional
High Altitude Adaptation System	High Altitude Adaptation System	1	Suitable for work at 2500 – 4500 meters of altitudes.		Optional	

Single Drum Rollers SSR200-3/SSR220-3 Standard and Optional Configurations

Config	Name of Systems	Name of Parts	Quantity	Details		Remarks
Standard Configuration	Main Machine	SSR200-3 Single Drum Roller, Standard	1	1.Engine 2.Travel Pump 3.Vibration Pump 4.Travel Motor 5.Vibration Motor 6.Transaxle 7.Operating Platform 8.Vibratory Drum(Smooth)	9.Electrical System 10.Operating System 11.Front Frame 12.Rear Frame 13.Covering Part 14.Rear Axle Assembly 15.Center Articulated Frame	Select one out of two
		SSR220-3 Single Drum Roller, Standard	1			
Optional Configuration	Cab	Cab Assembly	1	Work in windy and sandy conditions		Substitute operating platforms permissible
	Cab + Air Con	Cab Assembly	1	Work in windy, sandy, and extreme temperature conditions		Substitute operating platforms permissible
		Air Con	1			
	Vibratory Drum with Welded Pad Foot	Drum with Welded Pad Foot	1	Vibratory drum with welded pad foot, which cannot be removed, suitable for compaction of clay, semi-clay, rocks, gravels, expansive soil, and coal cinder base		Substitute smooth drums permissible
	Vibratory Drum with Assembled Pad Foot	Drum with Assembled Pad Foot	1	Vibratory drum with assembled Pad foot, which can be removed to form a smooth drum; suitable for compaction of clay, semiclay, rocks, gravels, expansive soil, and coal cinder base		Optional
High Altitude Adaptation System	High Altitude Adaptation System	1	Suitable for work at 2500 – 4500 meters of altitudes.		Optional	

Single Drum Rollers SSR180-5/SSR200-5 Standard and Optional Configurations

Config	Name of Systems	Name of Parts	Quantity	Details		Remarks
Standard Configuration	Main Machine	SSR180-5 Single Drum Roller, Standard	1	1.Engine 2.Travel Pump 3.Vibration Pump 4.Travel Motor 5.Vibration Motor 6.Reduction Gears 7.Transaxle 8.Operating Platform	9.Vibratory Drum (Smooth) 10.Electrical System 11.Operating System 12.Front Frame 13.Rear Frame 14.Covering Part 15.Rear Axle Assembly 16.Center Articulated Frame	Select one out of two
		SSR200-5 Single Drum Roller, Standard	1			
Optional Configuration	Cab	Cab Assembly	1	Work in windy and sandy conditions		Substitute operating platforms permissible
	Cab + Air Con	Cab Assembly	1	Work in windy, sandy, and extreme temperature conditions		Substitute operating platforms permissible
		Air Con	1			
	Vibratory Drum with Welded Pad Foot	Drum with Welded Pad Foot	1	Vibratory drum with welded pad foot, which cannot be removed, suitable for compaction of clay, semi-clay, rocks, gravels, expansive soil, and coal cinder base		Substitute smooth drums permissible
Vibratory Drum with Assembled Pad Foot	Drum with Assembled Pad Foot	1	Vibratory drum with assembled pad foot, which can be removed to form a smooth drum; suitable for compaction of clay, semi-clay, rocks, gravels, expansive soil, and coal cinder base		Optional	
High Altitude Adaptation System	High Altitude Adaptation System	1	Suitable for work at 2500 – 4500 meters of altitudes.		Optional	

Single Drum Rollers SSR260-5 Standard and Optional Configurations

Config	Name of Systems	Name of Parts	Quantity	Details		Remarks
Standard Configuration	Main Machine	SSR260-5 Single Drum Roller, Standard	1	1.Engine 2.Travel Pump 3.Vibration Pump 4.Travel Motor 5.Vibration Motor 6.Reduction Gears 7.Transaxle 8.Operating Platform	9.Vibratory Drum (Smooth) 10.Electrical System 11.Operating System 12.Front Frame 13.Rear Frame 14.Covering Part 15.Rear Axle Assembly 16.Center Articulated Frame	Compulsory
Optional Configuration	Cab	Cab Assembly	1	Work in windy and sandy conditions		Substitute operating platforms permissible
	Cab + Air Con	Cab Assembly	1	Work in windy, sandy, and extreme temperature conditions		Substitute operating platforms permissible
		Air Con	1			
	Vibratory Drum with Welded Pad Foot	Drum with Welded Pad Foot	1	Vibratory drum with welded pad foot, which cannot be removed, suitable for compaction of clay, semi-clay, rocks, gravels, expansive soil, and coal cinder base		Substitute smooth drums permissible
Vibratory Drum with Assembled Pad Foot	Drum with Assembled Pad Foot	1	Vibratory drum with assembled pad foot, which can be removed to form a smooth drum; suitable for compaction of clay, semi-clay, rocks, gravels, expansive soil, and coal cinder base		Optional	
High Altitude Adaptation System	High Altitude Adaptation System	1	Suitable for work at 2500 – 4500 meters of altitudes.		Optional	

SANY STR SERIES TANDEM DRUM ROLLER

Designed In Germany Made In China

SAFE AND COMFORTABLE ERGONOMIC DESIGN

- ◆ ROPS certified cab, effectively protects driver's life and safety
- ◆ Cab's three-stage vibration reduction and air conditioner offers a comfortable working environment; noise in cab less than 80dB
- ◆ Outstanding cab vibration reduction
- ◆ Specially designed parking brake button and emergency button guarantees work safety

RELIABLE SPRINKLER SYSTEM

- ◆ One intake of water allows for 5.7 hours of work
- ◆ Effectively prevents asphalt from sticking onto drums
- ◆ Minimum spraying amount leading to very slow dropping in asphalt temperature, good for compaction
- ◆ Back-up water-spraying pump guarantees non-interrupted work
- ◆ 1000L plastic-coated water tanks

STRONG POWER SYSTEM

- ◆ Excellent power, best for sloping working sites
- ◆ Fuel ducts filtered in three stages
- ◆ Large-angle all-open engine cover, giving easy access to maintenance points

INDUSTRIAL-LEADING VIBRATION DRUM TECHNOLOGY

- ◆ Unique water wheel type lubrication device, fully lubricating the bearing and extending its working life up to 5,000 hours
- ◆ $\sigma \leq 0.6\text{mm}$ high evenness and smoothness, > 98% high compactness, meeting the strict requirements of highway surface work
- ◆ Height of road surface at edges are up to 950mm, offering excellent compaction at the edges

SMART AND INTELLIGENT CONTROL SYSTEM

- ◆ Operating platforms can turn 70° left and right, good for compacting road edges
- ◆ Operating console integrating the accelerator and the travelling joystick offers more convenience and flexibility

ADVANCED HYDRAULIC SYSTEM

- ◆ Closed hydraulic system offers more efficiency and higher reliability

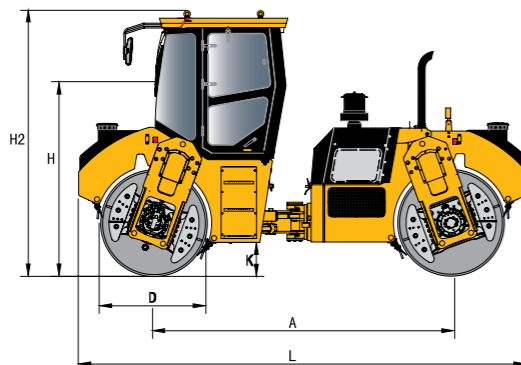
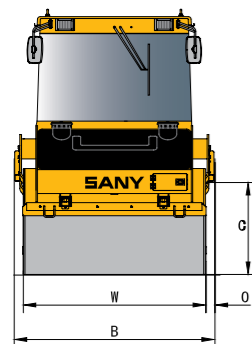


TECHNICAL PARAMETERS

STR Series Full Hydraulic Tandem Roller Technical Parameter

Model		STR30-5	STR70-5	STR80-5	STR90-5	STR100-5	STR120-5	STR130-5	
Weight and Load	Operating Weight (kg)	3000	7080	8080	9080	10500	12000	13000	
	Weight at front Drums (kg)	1450	3540	4040	4540	5250	6000	6500	
	Weight at rear drums (kg)	1550	3540	4040	4540	5250	6000	6500	
	Front Drum Static Liner Load(N/cm)	118	223.8	235.7	264.8	270.8	275.5	298.3	
	Rear Drum Static Liner Load(N/cm)	126	223.8	235.7	264.8	270.8	275.5	298.3	
Compaction Mechanism	Vibration Frequency (Hz)	55/65	48/58	45/56	45/56	40/50	42/50	43/50	
	Nominal amplitude (mm)	0.5	0.6/0.3	0.6/0.3	0.6/0.3	0.67/0.305	0.67/0.305	0.67/0.305	
	Excitation Force (kN)	28/39	77/63	81/63	81/63	110/80	125/80	130/80	
	Drum Diameter (mm)	700	1140	1200	1200	1240	1250	1250	
	Drum Width (mm)	1200	1550	1680	1680	1900	2135	2135	
	Drum Edge Thickness (mm)	14	17	17	17	17	23	23	
Maneuverability	Travel Speed	High (km/h)	0-12	0-12	0-12	0-12.5	0-12.5	0-12.5	
		Low (km/h)	0-6	0-7	0-7	0-7	0-7.5	0-7.5	0-7.5
	Theoretical Gradeability	Vibratory (%)	30	30	30	30	30	30	30
		Non-Vibratory(%)	40	40	40	40	43	35	35
	Ground Clearance (mm)	240	320	350	350	380	380	380	
	Wheelbase (mm)	1728	3400	3400	3400	3530	3530	3530	
	Steering Angle (°)	±30	±33	±33	±33	±33	±33	±33	
	Swing Angle (°)	±6	±10	±10	±10	±8	±8	±8	
	Min Turning Outside Diameter(mm)	7800	13400	13530	13530	13430	13900	13900	
	Crab Distance (mm)	/	270	270	270	±170	±170	±170	
Engine	Brand	KUBOTA	Cummins	Cummins	Cummins	Deutz	Deutz	Deutz	
	Model	D1703-M-E3B-CRR-1	4BTA3.9	4BTA3.9	4BTA3.9	BF4M2012C	BF4M2012C	BF4M2012C	
	Emissions	Stage III	Stage II	Stage II	Stage II	Stage II	Stage II	Stage II	
	Rated Power (kW)	26.1	74	74	74	98	98	98	
Capacity	Accumulator (VxAh)	12 × 40	24 × 100	24 × 100	24 × 100	24 × 100	24 × 100	24 × 100	
	Water Tank (L)	160	730	730	730	960	960	960	
	Fuel Tank (L)	45	130	130	130	200	200	200	
	Hydraulic Oil Tank (L)	28	80	80	80	96	96	96	

Size Code	STR30-5	STR70-5	STR80-5	STR90-5	STR100-5	STR120-5	STR130-5
A (mm)	1728	3400	3400	3400	3530	3530	3530
B (mm)	1280	1800	1800	1800	2116	2335	2335
C (mm)	550	670	700	700	950	950	950
D (mm)	700	1140	1200	1200	1240	1250	1250
H (mm)	1755	2240	2270	2270	2275	2280	2280
H2 (mm)	2560	2970	3000	3000	3107	3113	3113
K (mm)	240	320	350	350	380	380	380
L (mm)	2515	4600	4600	4600	5300	5300	5300
O (mm)	40	75	75	75	100	100	100
W (mm)	1200	1550	1680	1680	1900	2135	2135



Tandem Drum Rollers STR70-5/STR80-5/STR90-5 Standard and Optional Configurations

Config	Name of Systems	Name of Parts	Quantity	Details		Remarks
Standard Configuration	Main Machine	STR70-5 Tandem Drum Roller, Standard	1	1.Engine 2.Travel Pump 3.Vibration Pump 4.Travel Motor 5.Vibration Motor 6.Reduction Gears 7.Transaxle 8.Operating Platform	9.Electrical System 10. Vibratory Drum (Smooth) 11. Rotating Seat 12.Front Frame 13.Rear Frame 14.Water-Spraying System 15. Covering Parts	Choose one out of three
		STR80-5 Tandem Drum Roller, Standard	1			
		STR90-5 Tandem Drum Roller, Standard	1			
Optional Configuration	Cab	Cab Assembly	1	Best for windy and sandy conditions		Substitute operating platform allowed
	Cab + Air Con	Cab Assembly	1	Best for windy and sandy and extreme temperature conditions		Substitute operating platform allowed
		Air Con	1			

Tandem Drum Rollers STR100-5/STR120-5/STR130-5 Standard and Optional Configurations

Config	Name of Systems	Name of Parts	Quantity	Details		Remarks
Standard Configuration	Main Machine	STR100-5 Tandem Drum Roller, Standard	1	1.Engine 2.Travel Pump 3.Vibration Pump 4.Travel Motor 5.Vibration Motor 6.Reduction Gears 7.Transaxle 8.Operating Platform	9.Electrical System 10. Vibratory Drum (Smooth) 11. Rotating Seat 12.Front Frame 13.Rear Frame 14.Water-Spraying System 15. Covering Parts	Choose one out of three
		STR120-5 Tandem Drum Roller, Standard	1			
		STR130-5 Tandem Drum Roller, Standard	1			
Optional Configuration	Cab	Cab Assembly	1	Best for windy and sandy conditions		Substitute operating platform allowed
	Cab + Air Con	Cab Assembly	1	Best for windy and sandy and extreme temperature conditions		Substitute operating platform allowed
		Air Con	1			
	High Altitude Adaptation System	High Altitude Adaptation System	1	Best for working at 2500 – 4500 altitude working conditions		Optional

SANY SPR SERIES PNEUMATIC TYRED ROLLER

INITIAL AUTO OIL-SPRAYING TECHNOLOGY

- ◆ The unique auto oil spraying technology prevents asphalt from sticking to tires, saving money and trouble free
- ◆ Pneumatic oil spraying, no oil pump required, guaranteeing stable work
- ◆ Vacuum oil refill, oil tank can be refilled in 2 minutes, no manual refilling needed
- ◆ No need for a oil wiping worker, saving cost for customer
- ◆ Preventing safety hazards arising from manual wiping of oil

FULL HYDRAULIC DRIVE SYSTEM

- ◆ Stepless speed shifting offers stable starting and stopping, minimizing impact on road
- ◆ Easy to operate, easy to learn and less physically demanding

EXCEPTIONAL COMPACTION PERFORMANCE

- ◆ Meeting the demands of compaction for asphalt road and cement stabilized base

CENTRALIZED AUTOMATIC INFLATION SYSTEM

- ◆ Auto inflation with adjustable inflation pressure
- ◆ Even and consistent air pressure, offering even compaction quality
- ◆ Normal work possible even when tire leaks

HYDRAULIC WHEEL SIDE BRAKE SYSTEM

- ◆ Fully hydraulic all-wheel braking provides 6 reliable braking in extreme conditions such as engine shutdown or transmission failure, preventing safety risks
- ◆ Braking distance 50% shorter than equipment of similar category in industry, thoroughly prevents braking-related safety hazards
- ◆ Transaxle equipped with braking for all parking occasions, brake is applied whenever the equipment stops, no need for hand braking



TECHNICAL PARAMETERS

SPR Series Pneumatic Roller Technical Parameter

Model		SPR200-5	SPR260-5	SPR300-5
Compaction	Max. Operating Weight (kg)	20000	26000	30000
	Min. Operating Weight (kg)	10000	11000	11000
	Ground Pressure (kPa)	200-480	200-520	200-540
	Single Tire Load (t)	2.5	2.89	3.33
	Tire Inflation Pressure (Kpa)	200-800	200-800	200-800
	Compaction Width (mm)	2085	2368	2368
	Tire Overlapping (mm)	36	63	63
Maneuverability	Climb Speed (km/h)	0-7.6	0-6.4	0-6.4
	Working Speed (km/h)	0-7.6	0-9.8	0-9.8
	Travel Speed (km/h)	0-14	0-14.4	0-14.4
	Steering Angle (°)	30	30	30
	Gradeability (%)	28	30	25
	Swing Distance (mm)	50	50	50
	Ground Clearance (mm)	350	380	380
	Min. Turning Outside Diameter (mm)	16850	19000	19000
Engine	Brand	Cummins	Cummins	Cummins
	Model	4BTAA3.9-C125	6BTAA5.9-C180	6BTAA5.9-C180
	Emissions	stage II	stage II	stage II
	Power (kW)	93	132	132
Capacities	Accumulator (VxAh)	24 × 100	24 × 100	24 × 100
	Water Tank (L)	500	500	500
	Fuel Tank (L)	160	200	200
	Hydraulic Oil Tank (L)	100	100	100

Size Code	SPR200-5	SPR260-5	SPR300-5
L (mm)	5000	5435	5435
B (mm)	2085	2368	2368
H (mm)	3275	3280	3280
A (mm)	3750	4170	4170
W (mm)	2044	2279	2279
K (mm)	350	380	380



Pneumatic Rollers SPR260-5/SPR300-5 Standard and Optional Configurations

Config	Name of Systems	Name of Parts	Quantity	Details	Remarks
Standard Configuration	Main Machine	SPR260-5 Pneumatic Roller, Standard	1	1. Engine 2. Travel Pump 3. Travel Motor 4. Transaxle 5. Cab 6. Front Covering Part 7. Front Wheel Assembly 8. Rear Wheel Assembly 9. Electrical System 10. Frame Assembly 11. Water Spraying System	Selecting one out of two
		SPR300-5 Pneumatic Roller, Standard	1		
Optional Configuration	Air Conditioner	Air Condition System	1	Work in windy, sandy, and extreme temperature conditions	Optional
	Rear Vision System	Rear Vision System	1	Work in confined areas such as residential areas	Optional
	Centralized Inflation and Auto-Lubrication System	Centralized Inflation and Auto-Oil-wiping System	1	High-grade road works	Optional
	High Altitude Adaptation System	High Altitude Adaptation System	1	Suitable for work at 2500 - 4500 meters of altitudes.	Optional

LEAN MANUFACTURING

We try very hard to produce the best machines.
And we are constantly updating the records we have made.
Behind all the honors
is our dedication to our customers.



● Imported Machining Production Line



● Imported Horizontal Machining Centre



● Professional Inventory Management and Damage Prevention Measures



● World's Biggest Vehicle Assembly Line



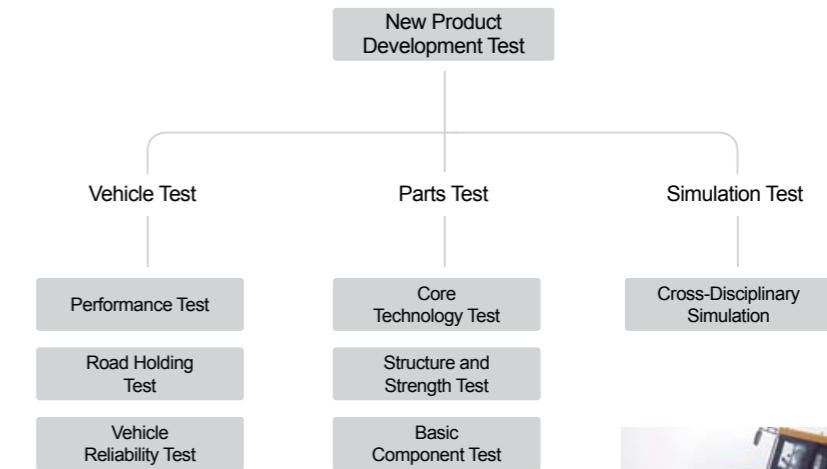
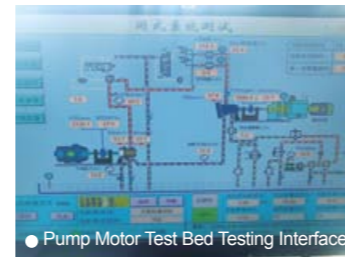
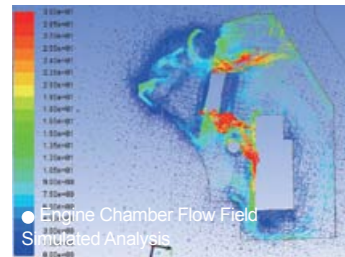
● Sany's Digitalized Asphalt Batching Plant Base in Changde City



● Dust-free Constant Temperature Precision Transmission Workshop

Unique design, optimized layout, revolutionary technology, attention to quality control, and modern manufacturing workflow.
Digitalized production management, fully-automated welding robots, AGV trolleys, automated 3-D depot...
Continued automation and smart technology research, extensive application of new technologies, equipment, and materials, together with extremely strict quality control.
All these have made each and every one of our road machinery bordering perfection and able to excel in any complex working environment.
We at Sany pursue a brand new path of development, depending on technology and innovation, and setting a new benchmark in the industry.

QUALITY WARRANTY



R&D and Test System

To build a leading road machinery R&D platform in the world, Sany Road Machinery now has at its disposal 9 testing and checking centers and 58 labs to form a cross-disciplinary and cross-sector product development work flow. The 9 testing and checking centers include: the Construction Machinery Remote Monitoring Service and Fault-Diagnosis Lab, the Hydraulics Lab, the Mechanical-Electrical-Hydraulic and Simulation Lab, the Diesel Engine Lab, the Equipment Fatigue (Working Life) Lab, the Welding Lab, the Strength (Stress) Test Lab, the Wear-Resistant Material Test Lab, and the Automobile Chassis Auto Check Lab. Through working on the testing infrastructure, new product development test, customer experience platform, and the work conditions simulation data base, we have put in place a three-Stage testing system comprising vehicle test, parts and components test, and simulation test. So far the system has the capacity to develop asphalt batching plants, asphalt pavers, motor graders, rollers, and cold planers and the research and testing capacity of relevant core technologies, so as to uplift our core competitiveness for research in an all-round way.

CASES



Name of Project:
The Chita - Haba Highway
Project in Russia
The Chita - Haba Highway
Project in Russia is 2000
kilometers long in total.
6 of Sany's tandem drum
rollers and 3 units of
pneumatic rollers were
used in its construction.



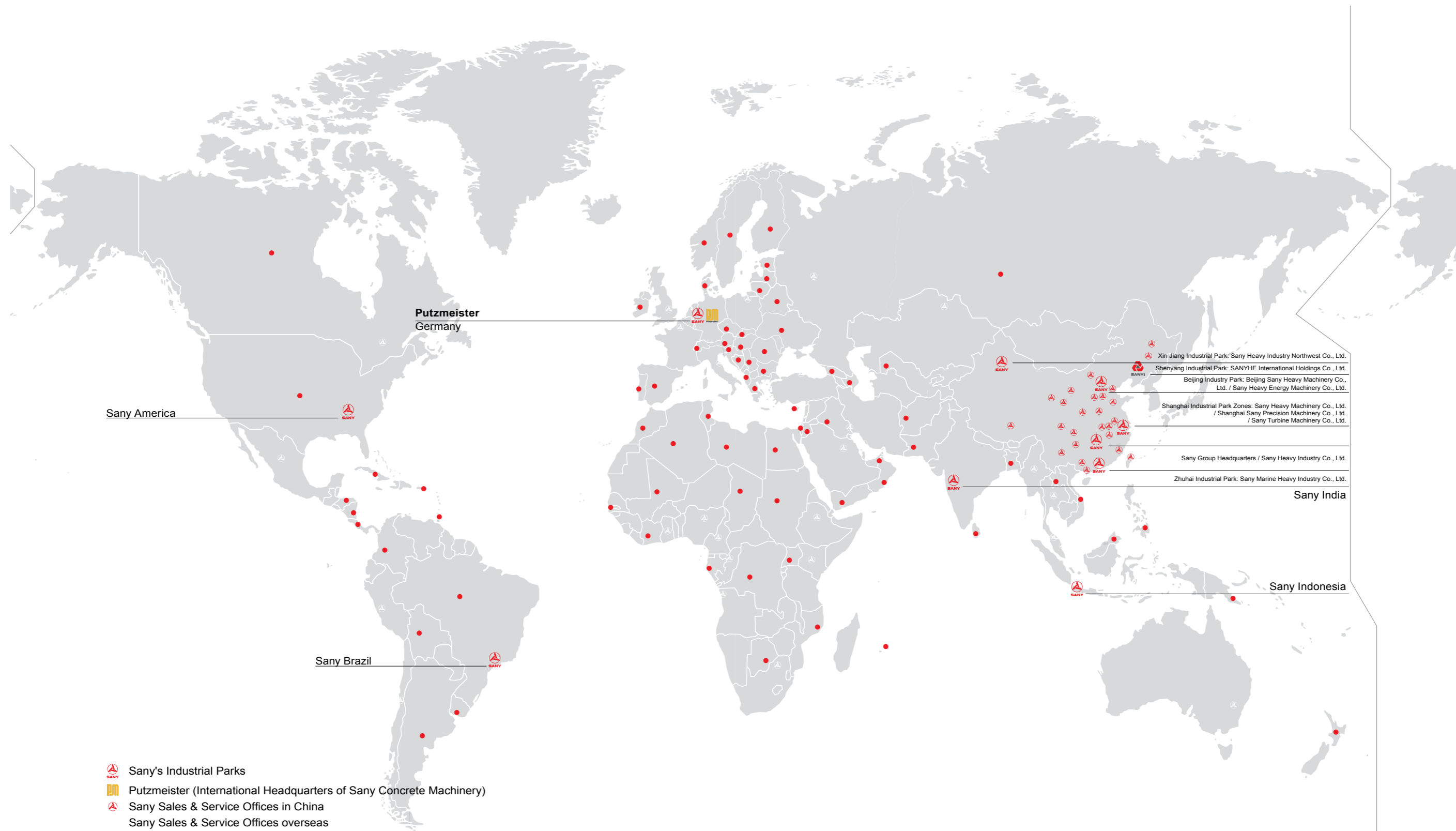
Name of Project:
Auto Pista Planalto Sul BR-116
Sany's SPR260s working for BR-116 highway project in Rio-Negro PR in South Brazil. The project was a chartered federal road project, with an investment of 1.9 billion USD, and a full length of 412.7 km. The road connects Curitiba (PR) and the borders between Santa Catarina and Rio Grande do Sul. Daily footfall of vehicles was about 78,390.

Name of Project:
Quarry in Los Tres
Pastorcitos
Working at the Los Tres
Pastorcitos Quarry in
Arequipa, Peru, where the
altitude is 2300m above
sea level



Name of Project:
Ring Road Surrounding the City
of São Paulo, Brazil
Sany's single drum rollers and
pad foot shell kit rollers were
used to build the ring road
surrounding the city of São
Paulo, Brazil. The project will be
180 km long after completion
and 23 km away from the city's
geographic center area. The ring
road will significantly improve
the transportation efficiency of
roads, being the most important
strategic investment project in
the national economy.





-  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