



SANY



**STATIONARY
PLACING BOOMS**

FIRST CLASS BOOM TECHNOLOGY

SANY

QUALITY CHANGES THE WORLD

The SANY Group – Construction machinery manufacturers

- Founded in 1989
- Headquarters in Changsha, China.
- 33 745 employees
- Operating income 10.6 billion US Dollars in 2019
- Putzmeister is part of the SANY Group since 2012

SANY VALUES

Reliability

- Respectable quality
- Robust and heavy duty machines
- Strong performance even with high challenges

User-friendliness

- High standard tailored to customer requirements
- Meeting international standards
- Parts and service supported by Putzmeister

Best price-performance ratio

- Low-cost entry-level models through lean, efficient series production
- Complements existing machine fleets



Sany placing booms have been involved in the construction of China's tallest building – the Shanghai Tower.

SANY

THE WORLD'S BIGGEST PRODUCTION PLANT OF PLACING BOOMS



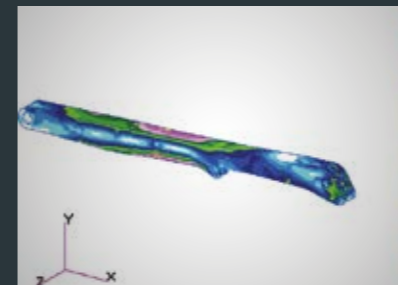
Sany placing booms used during the floor installation of the OASIS Center, a large shopping center in the AL QUOZ Industrial District of Dubai, UAE.

Excellent quality, super high efficiency, rapid installation, full 360° rotation, dead-zone free booms all contribute to the incomparable, unique qualities of Sany concrete placing booms.

Sany is the sole domestic producer of concrete placing booms with independent R & D and property rights. Our concrete placing booms are characterized by safety, reliability, excellent performance and efficient service.

With our large production base and variety of models, Sany placing booms have been involved in the construction of major landmark projects such as Europe's tallest building – the Russian Federation Building – and China's tallest building – the Shanghai Tower.

FIRST CLASS BOOM TECHNOLOGY



Finite element analysis

Combining modern design methods, such as finite element analysis and structural optimization, results in an efficient, light weight structure with a long service life.



Hoisting stability test

Before delivery, each placing boom is assembled and subjected to a rigorous stability test. This ensures that each placing boom is stable, high pressure resistant, free of leaks, safe and reliable.



Boom system fatigue test

Our self-developed boom system fatigue test is a comprehensive test of each boom structure component. This guarantees a reliable, durable, safe boom system.



EXCELLENT PERFORMANCE

Full hydraulic control, exceptional performance

Full hydraulic control of all boom movements provides smooth, precise control. The load sensing, proportional, pressure compensated hydraulic system provides accurate, predictable boom placement even during multifunction operation.



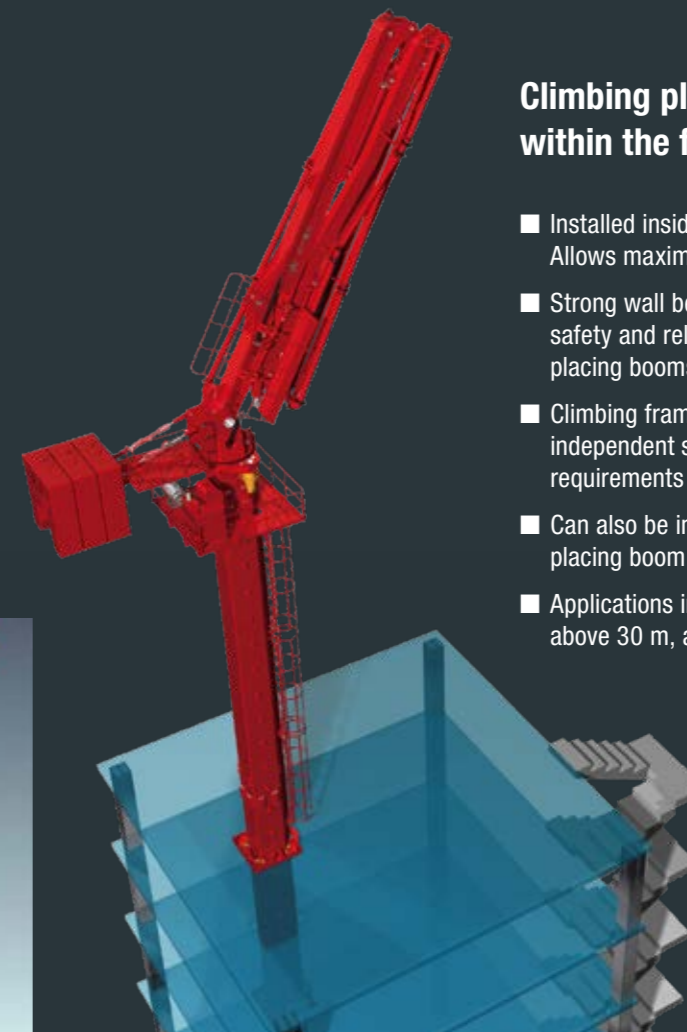
Delivery pipe service life increased 3 – 5 times

The use of double-wall, wear-resistant delivery pipes has improved the service life up to 30,000 – 50,000 m³. This is 3 – 5 times longer compared to standard pipes.



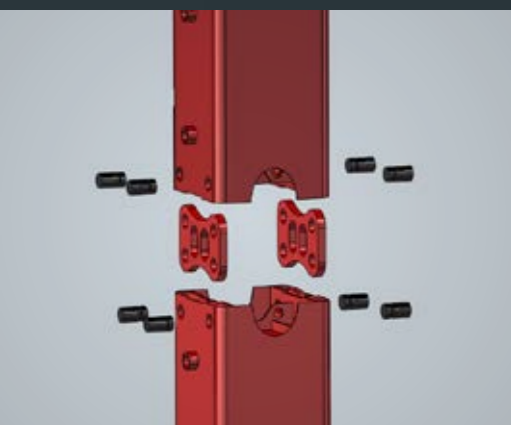
Climbing placing booms within the floor

- Installed inside the building. Allows maximum radius and range.
- Strong wall bearing capacity ensures safety and reliability even on large scale placing booms.
- Climbing frames and supports have independent systems, reducing the labor requirements of the climbing operation.
- Can also be installed as a floor-mounted placing boom
- Applications include high rise buildings above 30 m, above C30 concrete, etc.



Rapid installation

Extensive application of modular design technology and quick connecting components allows rapid assembly and hoisting of placing booms.



Boom cylinders are equipped with counterbalance valves for safety

The counterbalance valve provides a locking function as an added safety measure.



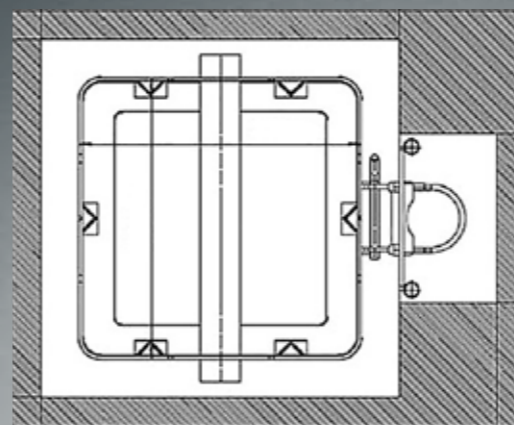
Globally recognized, intelligent control system

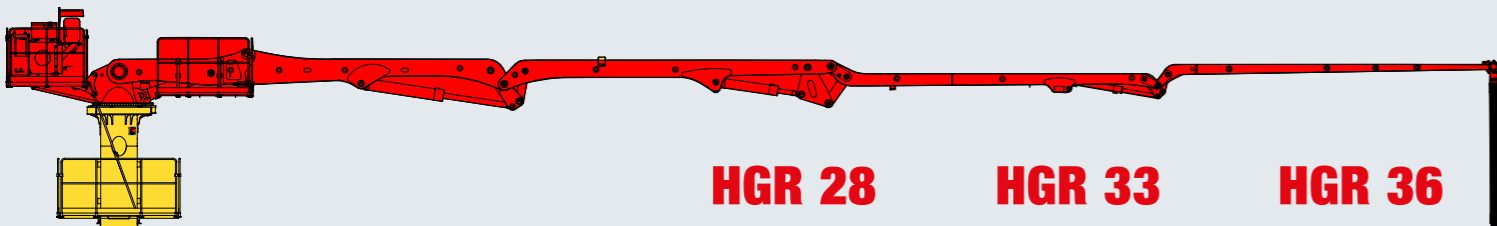
The German manufactured Siemens programmable logic controller (PLC) is equipped with local, wired or 100 m ultra long distance remote control. This reliable system can be operated within four user selectable frequency bands.



Fully automatic smooth lifting of the climbing mechanism is our technology marvel

Cylinder jacking is used to „climb“ the placing booms. The use of a fully automatic, „stepless“, lifting climbing frame with double electric hoists improves efficiency and safety by reducing the labor requirements of workers.





HGR 28 HGR 33 HGR 36

Boom			
Folding system	4-arm Z	4-arm Z	4-arm Z
Max. placing radius	28.1 m	33.0 m	35.2 m
Rotation	365°	365°	365°
Working ambient temperature	-20 °C – +50 °C	-20 °C – +50 °C	-20 °C – +50 °C
Pipe diameter	125 mm	125 mm	125 mm
End hose length	3 m	3 m	3 m
Tower height	18 m	18 m	18 m
Counterweight	–	–	–
Installation model	floor	floor	floor
Climbing speed	0.5 – 0.8 m/min	0.5 – 0.8 m/min	0.5 – 0.8 m/min
Climbing mode	Cylinder jack-up type	Cylinder jack-up type	Cylinder jack-up type
Power supply	380 V, 50 Hz	380 V, 50 Hz	380 V, 50 Hz
Power	15 kW	15 kW	15 kW
System pressure	32 MPa	32 MPa	32 MPa
Control system	manual / radio	manual / radio	manual / radio
Pipe cleaning mode	water / dry cleaning	water / dry cleaning	water / dry cleaning
Total weight approx.	16.6 t	17.0 t	17.2 t

Dimensions boom sections				
1st section	Length	7900 mm	9050 mm	9600 mm
	Articulation	90°	90°	90°
2nd section	Length	6700 mm	7900 mm	8465 mm
	Articulation	180°	180°	180°
3rd section	Length	6700 mm	7950 mm	8480 mm
	Articulation	260°	241°	241°
4th section	Length	6800 mm	7960 mm	8655 mm
	Articulation	240°	235°	235°



SURPRISING VALUE

FLEXIBLE SERVICES

- Comprehensive range of services to secure optimized performance and availability
- Standardized, thoughtful services for increased productivity, reduced operational costs and high safety
- Reliable, standardized services including maintenance, spare parts, repair work and training
 - High availability of spare parts through the service network of Putzmeister
 - Experienced trainer from Putzmeister to support the SANY machines



SANY concrete machines are **best-selling in the world**, by far not only because of the **financial and service flexibility**, but also because of their **proven power** under tough conditions: SANY concrete machines guarantee an **upright performance**. The **SANY technology is state of the art and simply working**. This offers you **surprising values** in your daily operation.



Materials and specifications are subject to change without further notice in accordance with our continuous technical innovations. Photos and illustrations may include additional equipment. All rights reserved. © by Putzmeister Concrete Pumps GmbH 2021 - 2024/11 - SY0012 EN

SANY

Putzmeister Concrete Pumps GmbH

Max-Eyth-Straße 10 · 72631 Aichtal, Germany

P.O.Box 2152 · 72629 Aichtal

Tel. +49 (7127) 599-0 · Fax +49 (7127) 599-520

pmw@putzmeister.com · www.putzmeister.com