



SCB20 / 25 / 30A7

Intelligent Forklift Truck

SANY Robotics Technology Co., Ltd.

Ready-to-operate, stand-alone intelligence



Autonomous learning



3D vision
Safety perception and intelligent decision-making

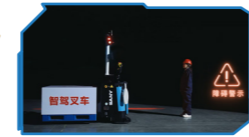


Autonomous path planning

Go live within 5 minutes
Single unit: no network or dispatch system deployment required

High-precision positioning and strong environmental adaptability
Self-developed 3D slam algorithm

SLAM
Simultaneous Localization and Mapping



Flexible obstacle avoidance



Standard pallet adaptive identification
3D LiDAR sensing

High safety

- Core components with IP67 protection
- All-round 3D protection: 3D camera + 2D LiDAR + safety touch edge



High efficiency

- 2-hour charge for 8-hour operation
- High gear ratio drive, 10% gradeability



Suitable for diverse applications

Tailored for Logistics Handling Scenarios
Game Changer for 1 Million Manned Forklift Trucks Market



Cost-effective, efficient, and labor-saving

- Cost: A7 vs Conventional AGV ↓30%
- Efficiency & Capacity: A7 vs Conventional AGV ↑30%

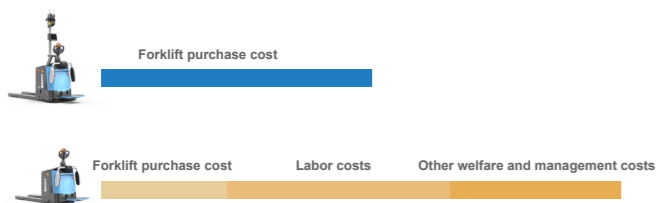
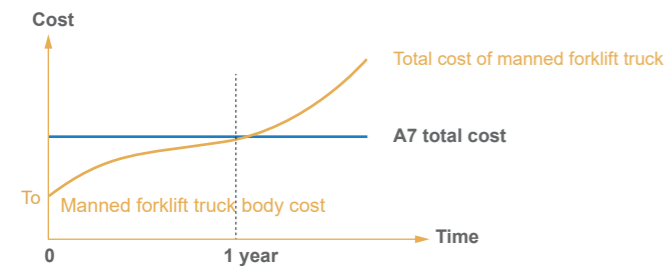
Human-robot collaboration

It integrates driverless and manned driving, featuring convenient switching and flexible operation, which can meet the needs of various operation scenarios.



Low investment, high return

Highly cost-effective material handling robot in the industry



Calculation method: Total cost = forklift body purchase + labor cost (2 shifts per day) + other welfare and management costs

Intelligent driving parameters

Charging mode	Manual (standard)/automatic (optional)
Driving safety	Underbody obstacle avoidance radar (standard) Anti-collision strip (standard) 3D camera obstacle avoidance (standard) Fork tip anti-collision detection photoelectric (standard)/radar (optional) Sound and light alarms (standard) Emergency stop button (standard)
Human-machine interaction	HMI human-machine interface (standard)/Tablets (optional)
Pallet pose recognition	3D LIDAR (standard)
Positioning and navigation	3D LIDAR (standard)

