

# Star 50

## Commercial All-Round Sweeper

### Full Brushless Motor System

Perfectly balances hard floors and carpets. High-torque drive with zero carbon brush maintenance.

### 33cm Ultra-Slim Chassis

Navigates industrial equipment, racking, narrow aisles, and desks. Pushing cleaning limits for true comprehensive coverage.

24-Month Full Warranty (Excl. Consumables)

36-Month Power Battery Warranty

Industrial Reliability



## PERFORMANCE HIGHLIGHTS

### 200W Brushless Vacuum

High-suction blower extracts deep-seated carpet dust, grime, and industrial fine debris.

### 30L High-Capacity Dustbin

Built-in guide plate prevents inlet clogging, ensuring 100% physical space utilization.

### HybridSense™ Interaction

Lifting handle switches to manual; lowering handle resumes autonomous tasks instantly.

### Full Brushless Drivetrain

Main brush, side brushes, and vacuum motors are 100% brushless for quieter, longer operation.

### Multi-Surface Adaptation

Seamlessly transitions between concrete, epoxy floors, and commercial carpets without adjustment.

### Industrial Grade Buttons

Top-mounted physical controls designed for front-line operators. Durable with zero learning curve.

## Built for 24/7 Productivity

Tool-free rapid maintenance minimizes operational downtime.

**Cyclone-Catch Circulation System:** Curved panels eliminate debris bounce-back. Integrated guiding plates direct large debris deep into the bin, ensuring maximum capacity and operational efficiency.

**Deep Carpet Cleaning:** Constant-torque brushless drive combined with a 200W vacuum blower extracts deep carpet dust, extending carpet life.

### 60-SECOND MODULAR MAINTENANCE

#### Quick-Release Main Brush

Axial spring design allows 10-second replacement. Effortless tangle removal for motor protection.

#### Magnetic Side Brushes

Powerful magnetic coupling for 5-second swaps. No tools required for cleaning tangles.

#### Heavy-Duty Castor Bin

Precision castors allow one-handed removal. Magnetic self-alignment ensures a perfect airtight seal.

#### HEPA Flat Filter System

Dual HEPA filters allow independent replacement, reducing consumable costs by up to 30%.

### TECHNICAL SPECIFICATIONS

STRUCTURE & MOTION	
Chassis Material	Reinforced Metal Base + Industrial ABS Collision Shell
Dimensions	750 x 660 x 330 mm
Drivetrain	High-Torque DC Motor with Anti-Slip Hill Hold & Auto-Brake
CLEANING PERFORMANCE	
Cleaning Width	750 mm
Dustbin Capacity	30 L Industrial Heavy-Duty Dustbin
Applicable Debris	Dust, gravel, wood chips, metal shards, etc.
INTELLIGENCE & OPTIONS	
Navigation	High-Precision LiDAR + Physical Bumper Sensors
Battery Type	24V 30AH Industrial Lithium Iron Phosphate (LiFePO4)
Options	Depth Camera, Low/High-Level Warning Lights