Daifuku’s Jervis B. Webb Company continues its 50-year tradition of leading the industry in Automatic Guided Vehicle technology with SmartCart Automatic Guided Cart Model 300TT. The Model 300TT SmartCart is the top-selling AGC offering ultimate flexibility, reliability and scalability at an affordable price.

**FEATURES**

- **Low Profile:** Designed to “tunnel” under mobile racks and trailers to tow them from underneath. This keeps the footprint of the AGC with trailer to a minimum.
- **Safe:** Safety laser scanners provide detection of operators and objects.
- **Affordable:** Many applications can demonstrate Return on Investment in three months or less.
- **Simple:** CartTools® software provides a user-friendly interface to implement/make changes. Non-invasive magnetic path and RFID transponder locations simplify deployment.
- **Industrial:** Steel construction with powder coat and industrial enamel paint.
- **On-Floor:** All equipment that needs to be installed to run your system can be installed on the floor, making the installation non-invasive and configurable. In-floor options are also available for ultimate durability.
- **Integration:** If desired, standard radio communication options with Webb’s System Automation Manager™ (SAM) Software can provide Traffic Control and Interface with Plant Control System.
- **Hands-Off:** Automatic charging to allow 24/7 hands-off operation or manual charging that can run 6-16+ hours.

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**OPTIONAL FEATURES:**

- Reverse Guidance
- 16-Pattern Laser Bumper
- Fast Automatic Charging
- Radio Communication
- Trailer Present Sensor
- Wheel Brushes
- Music Generator

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**General Specifications**

- Static Dissipative: Less than $3.5 \times 10^7 \, \Omega$
- Expansion Joints: ¼" maximum
- Floor Specs: Edges/Debris ¼" abrupt elevation change maximum, smoothed
- Dust/Water-proof: No

**Environment**

- Fast Automatic Charge: 140 amp charge rate (if equipped)
- Automatic Charge: 80 amp charge rate (if equipped)
- 4 – AGM/TPPL 102AH 12VDC each, 204AH 24VDC battery pack
- Capacity reduced by 10% when reversing
- Speed – Laser Bumper: 15 to 160 FPM, 6 speeds, 1 FPM increments
- Safety – Front/rear: ANSI B56.5 compliant bumper
- SmartSteer Accuracy: +/- 3" @ 10'
- Steer Angle Sensor: Analog 10 turn potentiometer
- Brake: 10Nm, spring actuated (fail-safe)
- Motor: 1000 watts 24VAC
- Drive Unit: Wheel Vulkolan 210 mm diameter x 70 mm wide
- Duty Cycle: 100% @ 80 lbs drawbar (4,000 lbs)
- Drive Direction: Automatic Forward and Reverse (if equipped)
- Two-Wheel Drive: Vulkolan 210 mm diameter x 70 mm wide
- Drive Type: Gear driven mountable turntable
- Motor: 1000 watts 24VDC
- Stearing: 24 VDC motor
- Driving: 100% spring wound (fail-safe)
- Cams/Whirls: 6" diameter x 2" wide

**Environment – Atmosphere**

- Grade Rating: 0%
- Expansion Joints: ¼" maximum
- Floor Specs: Edges/Debris ¼" abrupt elevation change maximum, smoothed
- Dust/Water-proof: No
- Temperature: 0 to 40° C, 25% to 95% non-condensing humidity

**Program Capacity**

- 5000 program steps
- Program Method: PC and Wireless (if equipped)

**Wiring**

- Per NEC, ampacity guidelines

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**Detailed Specifications**

**Available Wheel Loading**

- From std – 500 lbs, Rear std – 1000 lbs each

**Drivetrain**

- Automatic: Forward and Reverse (if equipped)
- Drive Type: Gear driven mountable turntable
- Drive Motor: 1000 watts 24VDC

**Steering**

- 24 VDC motor
- Driving: 100% spring wound (fail-safe)
- Cams/Whirls: 6" diameter x 2" wide

**Distance Initiated Functions**

- Yes – 1" increments

**Location Method**

- Encoder rpm/degrees, encoder rpm/degrees, encoder rpm/degrees
- Encoder rpm/degrees, encoder rpm/degrees, encoder rpm/degrees

**Wiring**

- Per NEC, ampacity guidelines

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**Reverse Guidance** – By just adding another guidance sensor and laser bumper, the 300TT can act as a shuttle cart.

**Pendant Control** – When manual movement is required, it’s as simple as driving the AGC, where it needs to go. Wireless Bluetooths (optional)

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**SmartSteer – CartTools commanding of the AGC to intentionally leave the path. Allowing maneuver to pivot turns and ignoring floor problems.**

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**For any applications greater than these specifications, please contact Engineering.**

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