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 100TT. The Model 100TT 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.

**OPTIONAL FEATURES:**
- Reverse Guidance
- 16-Pattern Laser Bumper
- Fast Automatic Charging
- Radio Communication
- CE Labeling
- Turn Signals
- Trailer Slide Bars/Rollers
- HMI Protector
- 2nd Tow Pin
- Premium Pin
- Trailer Present Sensor
- Wheel Brushes
- Music Generator
- Reverse Paddle Bumper for SmartSteer™
- Automatic Ring Hitch

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**Smart Cart™**

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### CartTools™ Software – Simple, stand-ardized toolset of commands that make configu-

ration a snap.

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**Cart Tools** Software – Simple, standard-

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ration a snap.

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**Environment**

- **Obstacle Detection:** 180°, programmable up to 2.8 meters
- **Program Capacity:** 5000 program steps
- **Program Method:** PC and Wireless (if equipped)
- **Virtual Locations:** via distance initiated functions
- **Distance Initiated Functions:** Yes – in 1” increments
- **Stopping Accuracy:** ½” proximity sensor, 1-½” transponder reader @ 30 FPM
- **Drive Stalled Detection:** Yes
- **Minimum Path Radius:** 24” – 90° turn, 48” – 180° turn
- **Manual Movement:** Pendant – via pendant plug receptacle, Rescue dolly
- **HMI Display:** 3.5” color touch screen – errors & destinations
- **Reverse Guidance:** By just adding another guid-

ance sensor and laser bumper, the 100TT can act as a shuttle cart.

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**Detailed Specifications**

- **Available Wheel Loading:** Freeway – 200 lbs, Rear axle – 500 lbs each
- **Drive Direction:** Automatic – Forward and Reverse (if equipped)
- **Duty Cycle:** 100% at 20 lb draw (1000 lbs)
- **Drive Unit – Wheel:** Y3/8” diameter x 3” wide
- **Drive Type:** Gear driven toothed sprocket
- **Motor:** 130 w/ 38 VDC permanent magnet
- **Steering:** 24 VDC motor
- **Brake:** N/A, spring actuated (fail-safe)
- **Caster Wheels:** Solid elastomer 5” diameter x 2” wide
- **Expansion Joints:** ¼” maximum
- **Steering Accuracy:** ±1” from physical path
- **Guide Loss Error:** Error generated within 6” of path loss
- **Steering Accuracy:** ±1” from physical path
- **Guide Loss Error:** Error generated within 6” of path loss
- **Sensor:** 16 million data points, 60 samples per second
- **Smart Accuracy/Smart Sensor:** ±3” to 10”
- **HMI Display:** 3.5” color touch screen – errors & destinations
- **Manual Movement:** Pendant – via pendant plug receptacles, Rescue dolly
- **Minimum Path Radius:** 200” – 300 mm, 48” – 120 mm
- **Drive Stalled Detection:** Yes
- **Stepping Accuracy:** ±1” proximity sensor, 1-½” transponder reader at 30 FPM
- **Distance Initiated Functions:** Yes – 1” increments
- **Location Method:** Virtual Location via distance initiated functions
- **Program Method:** PC and Wireless (if equipped)
- **Program Capacity:** 5000 program steps
- **Obstacle Detection:** 180º, programmable up to 2.8 meters
- **Emergency Stop:** Freeway
- **Wiring:** Per NEC ambiguity guidelines

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