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.
Safety: 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 changing 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

105AH Battery Pack
Low Pin – Max towing 1950 lbs
Operator HMI
Plug
Transponder Reader
Warning Light
Warning Horn
E-Stop
4-Pattern Laser Bumper

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**Detailed Specifications**

**Environment**
- **Temperature**: 0°F to 104°F (9°C to 40°C) non-condensing humidity
- **Rear Paddle Bumper**: 104°F (40°C) in rear (if equipped)
- **Drives**: 104°F (40°C) in drives (if equipped)
- **Battery Options**: 104°F (40°C) in battery pack (if equipped)

**Safety – Front/rear**
- ANSI B56.5 compliant bumper (if equipped)
- Bumper, tangle-free, tangle resistant
- SmartSteer Accuracy: +/- 3°
- STOP: Yes
- Reverse: Yes
- Auto Stop: Yes
- Distance: Yes
- Parking: Yes

**Rated Trailer**
- 1950 lbs (885 kg) @ 100 FPM (if equipped)

**Radio Communication**
- IEEE 802.11a/b/g, plus security encryption (if equipped)

**Expansion Joints**
- ¼" maximum variation in 5' or less

**Conductor**
- .6 coefficient of friction between wheels and floor, minimum

**Electrical**
- Average power 40 amp charge rate (if equipped)
- Total Power 120VAC/24VDC (if equipped)

**Drive Unit**
- Wheel 150 mm diameter x 50 mm width
- Drive Type: Gear driven steerable turntable
- Motor: DC/AC motor
- Gear: Direct drive gear train
- Gear Ratio: 10 to 1 turn potentiometer
- Gear Accuracy: +/- 1°

**Steering**
- Electronic: Steer/Stop: Yes
- Electronic: Drive: Yes
- Electronic: Battery: Yes

**Drive Sta**: 40 lb-ft torque, 80+ lbs starting

**Friction Factor**
- 0.02 for construction purposes. Jervis B. Webb Company does not represent or warrant that selection of components or accessories set forth in this brochure will necessarily result in proper installation, operation, or maintenance of such equipment or systems, and Webb disclaims responsibility for any and all damage and liability resulting from selection, design, installation, operation, or maintenance performed by non-Webb personnel.

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