

# GOODWAY®



## DRY STEAM PUREBELT® CLEANING SYSTEMS

Portable Conveyor Belt System for Flat Belts

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Goodway® has two types of PureBelt® portable systems for cleaning flat conveyor belts: Brush and Brushless. Both types are designed for cleaning flat belts (webs) in a wide range of environments, from dry environments where wet cleaning has to be avoided, to damp and wet environments. The systems use steam to break down debris and oils, sanitizing as they work. An efficient vacuum draws away the debris and moisture to leave the belt dry.

The PureBelt® Brushless System is best suited for cleaning light debris, oils and many confectionery products such as chocolate.

The PureBelt® Brush System has a rotating food grade brush to help shift more stubbornly adhered debris, such as thicker deposits of caramel and pastry. The speed and ease in which the belt cleaners fit to each belt make these very cost-effective and useful belt cleaning solutions for multiple belts.

The cleaning heads use the power of steam from portable steam generator technology without resorting to chemicals, using as little as 7 - 14 gallon of tap water per hour. These are powerful and environmentally attractive tools for the food industry.



## PRODUCT FEATURES

- Clean-in-place solution reduces labor costs
- Removes soils, pathogens, and allergens from belt surfaces
- Sanitary design maintains cleanliness
- Adjustable width and height for a perfect fit
- Integrated vacuum port for debris extraction
- FDA contact materials



## BENEFITS

- Improves line productivity (availability)
- Speeds-up conveyor cleaning
- Saves on maintenance and labor costs
- Frees-up sanitation staff
- Improves sterility - kills microorganisms
- Maintains or increases product shelf life
- Extends life of conveyor belts

## SYSTEM COMPONENTS



## INDUSTRIAL WET/DRY VACUUM



## DRY STEAM CLEANER





## DRY STEAM CLEANER

Steam for cleaning is generated using a dry steam cleaner. This powerful machine retains all the features for general steam cleaning, and can also be used to power Goodway belt cleaning equipment.

As standard, the Goodway models have auto external water feed, auxiliary electrical socket for external equipment, panel control for steam functions, wetness control, high and low steam power, fine variable steam control, integrated 10 gallon water tank, long life electrolytic water softener, and centralized E-stop.

No other portable dry steam cleaner has been this well thought out for functionality and long life, and is uncompromisingly engineered for both specialized applications and general cleaning.



**Goodway GVC models  
from 9kw to 36kw.**  
Model shown is GVC-18000



## CONVEYOR CLEANING HEAD

Steam from the PureBelt® dry steam cleaner is fed to the conveyor cleaning head for applying to the moving conveyor. A vacuum is attached to remove the debris and moisture. The Goodway® cleaning head has many design features that make this the most usable portable belt cleaners available for cleaning flat belts in the food industry.

As standard the PureBelt® Brush and Brushless Systems are **fully portable** between different belts, fully and **quickly adjustable** for structure width, fully adjustable for **brush contact** (brush version), 24V DC power (brush version) from the transformer, **simple operation**, quick release steam connections, **quick release** 24VDC cord, **low weight** with robust **hygienic construction**.

Brush and Brushless Systems  
are available to suit  
all sizes of conveyor



## EXAMPLE INSTALLATIONS

Confectionery Plant  
PureBelt® Portable Brushless System



# TECHNICAL SPECIFICATIONS

## CONVEYOR CLEANING HEAD

### PORTABLE BRUSHLESS SYSTEM

<b>Power supply (cleaning head)</b>	(No electrics for Brushless model)
<b>Cleaning characteristics</b>	Steam manifold across full width. Vacuum debris removal and drying.
<b>Weight (for lifting)</b>	55.7lb for 36" model (25 pound steam head, 30.7 pound base)
<b>Wash-down</b>	(No electrics for Brushless model)
<b>Belt contact materials</b>	Squeegees - FDA approved PU and silicone
<b>Steam hose</b>	Silicone insulated stainless steel reinforced PTFE. High temp quick release insulated collars.
<b>Conveyor belt widths (not structure)</b>	Virtually any size, and can be used on similar sized belts, to about 10" of the maximum designed width.  Example: A belt cleaner designed to clean a maximum 34" wide belt will be suitable to clean belts around 24" to 34" wide.  Note: You can close up to 6" of steam nozzles based on belt width. Steam will be delivered over the vacant width, resultant moisture normally extracted by the vacuum.
<b>Mounting onto conveyor structure - width</b>	Standard arrangement uses a slim tray inserted under the belt and clamped to the conveyor structure. Unless otherwise specified the tray is supplied to fit a structure 10" wider than the maximum designed belt width. The standard tray overhangs the maximum conveyor structure width by 5" each side.  Example: Standard arrangement uses a slim stiffener plate inserted under the belt and clamped to the conveyor framework. Unless otherwise specified the stiffener plate is supplied to fit a structure 6" wider than the maximum designed belt width. Customization is available for frames that are much wider than the belt.
<b>Compatible steam boilers (minimum specification)</b>	Minimum: Goodway GVC-18000 Up to 72kW available
<b>Boiler power supply</b>	Depends on model
<b>Water usage (driest setting)</b>	GVC-18000 - 7 gallons per hour GVC-36000 - 14 gallons per hour
<b>Water usage (wettest setting)</b>	GVC-18000 - 10 gallons per hour GVC-36000 - 17 gallons per hour
<b>Steam characteristics</b>	130-145 PSI operating pressure

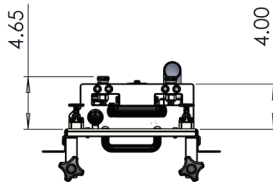
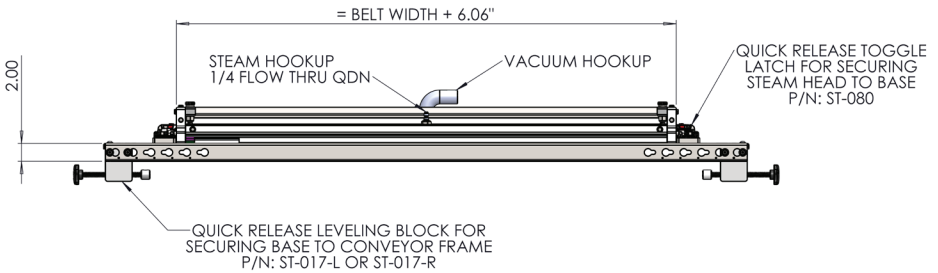
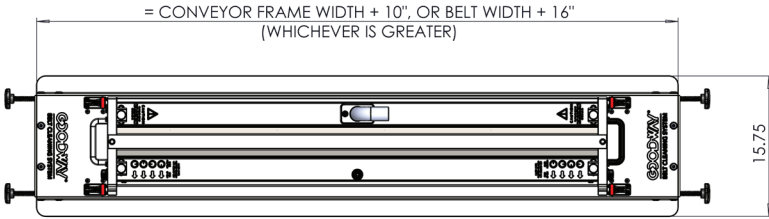
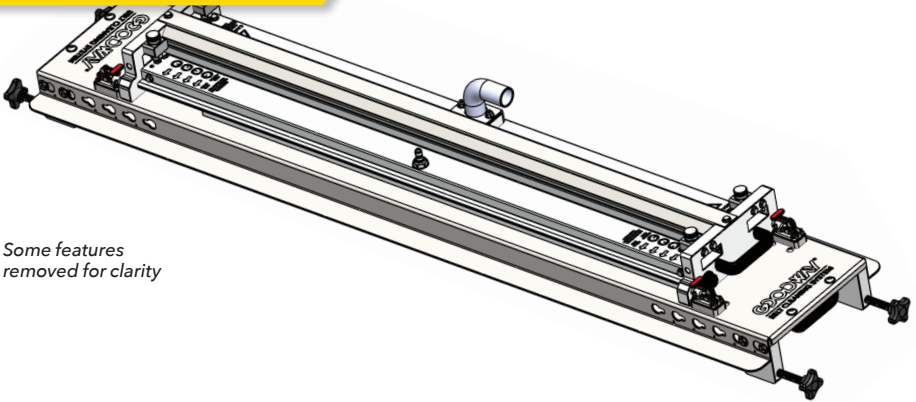
	APPLICATIONS	SUITABILITY	COMMENTS
BELT TYPE	Plastic Mesh - Fine	✘ Use other models	Consider using the PureBelt® Modular System for these types of belts
	Plastic Mesh - Open	✘ Use other models	
	Metal Mesh	✘ Use other models	
	Wire (ladder style)	✘ Use other models	
	Modular Closed Flat-Top	Unknown	Early prototypes successfully cleaned the contact surface of modular flat-top belts. Note, the reverse side cannot be adequately cleaned and may require a special version.
	Continuous Flat	✔ Excellent	The Brush and Brushless belt cleaners were specifically designed to clean these types of belts.
BELT SPEED	Slow	✔ Excellent	The greater the contact time for steam the better and faster the debris removal. The type of debris has a significant impact on cleanability. Lightly adhered debris and dust type debris can be removed at higher belt speeds.
	Medium	✔ Excellent	
	Fast	✔ Excellent	
ENVIRONMENT	Dry	✔ Excellent	The PureBelt® Modular System was specifically designed to clean in this difficult environment.
	Damp	✔ Excellent	As a general rule, if the cleaning procedure is a factory wide foam clean and hose down there is limited potential. Using the system in this environment will not eliminate need for wet cleaning with chemical.
	Wet	✔ Excellent	
MARKETS	Bakeries	✔ Excellent	N/A
	Dry Goods	✔ Excellent	
	Confectionery	✔ Excellent	
	Fruit and Vegetables	Unknown	
	Pharmaceutical	✔ Excellent	
	Raw Meats and Fish	✘ Very Limited	As a general rule, if the cleaning procedure is a factory wide foam clean and hose down there is limited potential. Using the system in this environment will not eliminate need for wet cleaning with chemical.



# BELT CLEANING TECHNOLOGY

**PureBelt® Portable Conveyor  
Cleaning System**  
Model: GVC-Portable-Single-xx

Some features  
removed for clarity



## BENEFITS



### IMPROVES LINE PRODUCTIVITY (AVAILABILITY)

- Quicker cleaning cycles
- Opportunity for rapid top-up cleaning
- Extended production
- Dry cleaning action leaves belts ready for use
- Reduces risk of shutdown due to quality and sanitation issues
- Eliminate cross-contamination, allowing faster product changeover

### SAVES ON MAINTENANCE AND LABOR COSTS

- Clean-in-place (CIP)
- Portable and easy to set-up on multiple belts
- Device works tirelessly without supervision
- Significant reduction in labor to clean belts
- Visually clean belts gives greater confidence in cleaning progress
- Technology designed for unskilled staff

### FREES-UP SANITATION STAFF

- Staff deployable to other sanitation duties
- Reduced staff compared with manual belt cleaning

### IMPROVES STERILITY - KILLS MICROORGANISMS AND REMOVES DEBRIS

- Proven in Independent lab tests by Campden BRI (formerly known as CCFRA - Campden and Chorleywood Food Research Association)
- Steam kills microorganisms
- Does not require chemicals
- Environmentally attractive technology





## BENEFITS

### MAINTAINS OR INCREASES PRODUCT SHELF LIFE

- A powerful tool for maintaining environmental quality especially on high risk side of production
- Targeted cleaning of contact surfaces eliminates cross-contamination

### EXTENDS LIFE OF CONVEYOR BELTS

- Reduces energy for running belts
- Cleaner belts work better; clean and trouble-free belts not on the radar for expensive replacement
- Belts benefit from regular cleaning for proper traction and alignment, especially oil and sugar based contamination

### IMPROVED CUSTOMER CREDIBILITY

- Visually cleaner belts
- Visible use of new technology that directly benefits product quality
- Higher quality with fewer product returns
- Demonstrating commitment to improved quality, especially in difficult to clean dry environments

### DESIGN

- Robust high quality components and construction
- Easy to use, quick to set up
- Portable and adjustable to fit multiple belts
- Designed as a tool for consistent application of HACCP principles
- EHDG approach to design characteristics (European Hygienic Design Group)





## INNOVATIVE SURFACE CLEANING AND SANITATION SOLUTIONS

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Provides innovative maintenance solutions for a wide variety of industries including commercial HVAC, food and beverage processing, power generation and manufacturing.

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