

GOODWAY®



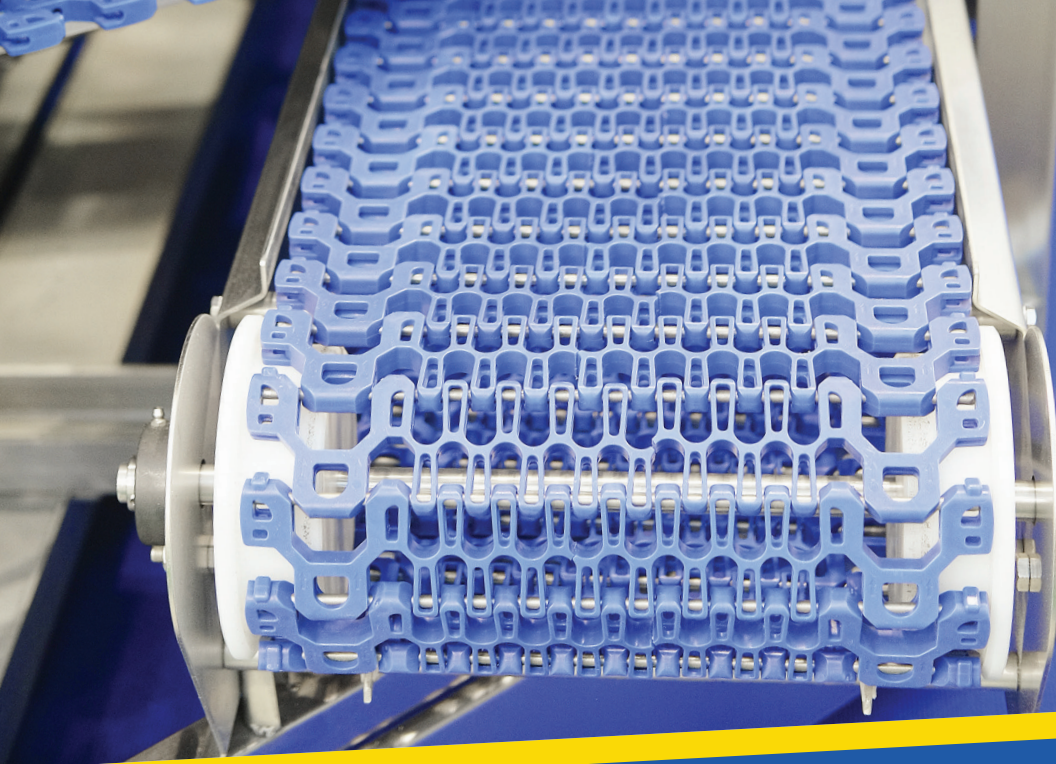
DRY STEAM PUREBELT® CLEANING SYSTEMS

Modular System for Mesh Conveyor Belts

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The PureBelt® Modular System is a portable steam cleaning device for conveyors designed for dry environments where wet cleaning has to be avoided, such as post bake bread production. The system concentrates the power of steam jets deep into the structure of mesh type conveyor belts, cleaning and sanitizing as it works.

The success of the PureBelt® Modular System lies within its technology, to deliver the steam in a precise and powerful way, and its portability adjusting to the huge array of conveyors within food factories.

The speed and ease in which the PureBelt® Modular System fits to each belt makes this a very cost-effective and useful belt cleaning solution for multiple belts.

The PureBelt® Modular System harnesses the power of steam from portable steam generator technology without resorting to chemicals, using a mere 7 - 14 gal of tap water per hour (dry steam setting). This is a powerful and environmentally attractive tool for the food industry.

PRODUCT FEATURES

- Dry steam clean
- Portable and fully adjustable for use on different belts
- Good for dry environments
- Minimal water usage - from only 7 gallons per hour
- Non contact cleaning
- Quick and easy set up
- Robust and hygienic design

BENEFITS

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

SYSTEM COMPONENTS

**Dry Steam Cleaner
GVC-18000**



**Portable PureBelt® Modular
Conveyor Cleaning System**





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 generator has been this well thought out for functionality and long life, and no other generator is uncompromisingly engineered for both specialized applications and general cleaning.

CONVEYOR CLEANING HEAD

Steam from the generator is fed to the conveyor cleaning head for applying to the moving conveyor. The Goodway PureBelt® Modular System cleaning head is a patented device with many design features that make this the most useful belt cleaner available for cleaning mesh belts in dry environments, such as the bread industry.

As standard the PureBelt® Modular System is fully portable between different belts, fully and quickly adjustable for belt width, fully adjustable for height and level, 24VDC power from the steam generator, slip under load for safety, fully adjustable speed, quick release interchangeable manifolds, simple operation, quick release steam connections, quick release 24VDC cord, robust hygienic construction, unique scrub and sweep program modes, low weight.

Portable PureBelt® Modular
Conveyor Cleaning System



TECHNICAL SPECIFICATIONS

PORTABLE PUREBELT® MODULAR SYSTEM

Power supply (cleaning head)	24V DC Available via 24V DC Transformer.
Conveyor widths (structure)	Virtually any size. Standard model 0 - 45". Other models can be produced.
Recessed belt	Standard up to 3". Other recess depths available.
User definable program	Simple interface with presets.
Weight	~60lb Standard model
Washdown	Better than IP56 (cleaning head unit uses 24 VDC power).
Rotary Head	Quick release for rapid interchangeability. Rotary Head variants available at a future time.
Steam hose	Silicone insulated stainless steel reinforced PTFE. High temperature Hansen quick release collars.
Compatible steam boilers (minimum specification)	GVC-18000 model or larger
Boiler power supply	480V three phase 23 amp for GVC-18000 480V three phase 51 amp for GVC-36000 Alternate three phase voltages are available on request.
Water usage	GVC-18000 - 7 gallons/hour (dry steam setting) GVC-36000 - 14 gallons/hour (dry steam setting)
Steam characteristics	130-145 PSI operating pressure

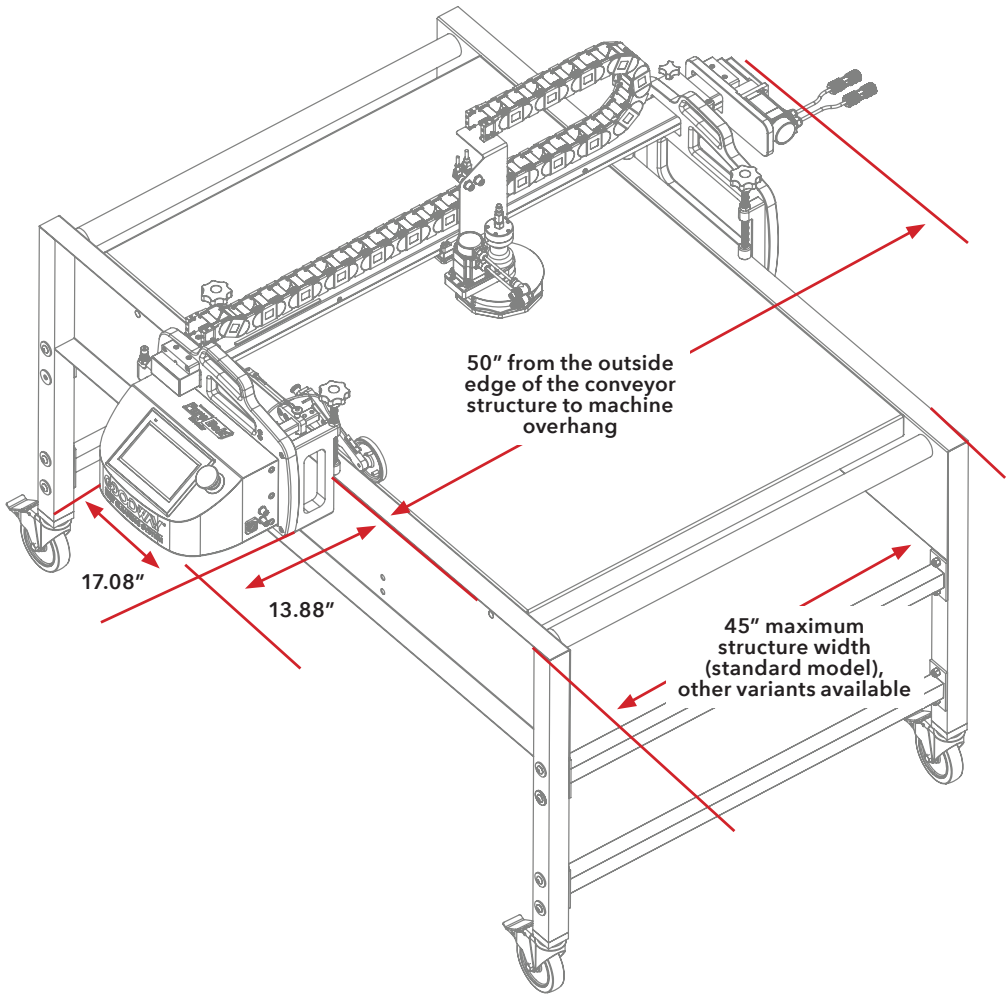
	APPLICATIONS	SUITABILITY	COMMENTS
BELT TYPE	Plastic Mesh - Fine	✓ Excellent	The PureBelt® Modular System was specifically designed to clean in this difficult environment. The more open the structure the less opportunity there is for steam to impact on and bounce around the belt structure to dislodge debris, so steam appears to be wasted. Note that metal belts will see condensate.
	Plastic Mesh - Open	✓ Good-Excellent	
	Metal Mesh	✓ Good-Excellent	
	Wire (ladder style)	✓ Good	
	Modular Closed Flat-Top	✗ Use other models	Consider Goodway® Brush and Brushless belt cleaners.
	Continuous Flat	✗ Use other models	
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 clean-ability. Lightly adhered debris and dust type debris can be removed at higher belt speeds. As a rule the transverse speed of the PureBelt® Modular System does not need to be faster than the speed of the belt.
	Medium	✓ Good-Excellent	
	Fast	~ Fair	
ENVIRONMENT	Dry	✓ Excellent	The PureBelt® Modular System was specifically designed to clean in this difficult environment. As a general rule, if the cleaning procedures 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.
	Damp	~ Fair - Good	
	Wet	~ Fair	

BELT CLEANING TECHNOLOGY

Portable PureBelt® Modular Conveyor Cleaning System Approximate clearance dimensions

GVC-MODULAR-45 standard model.
Other models available

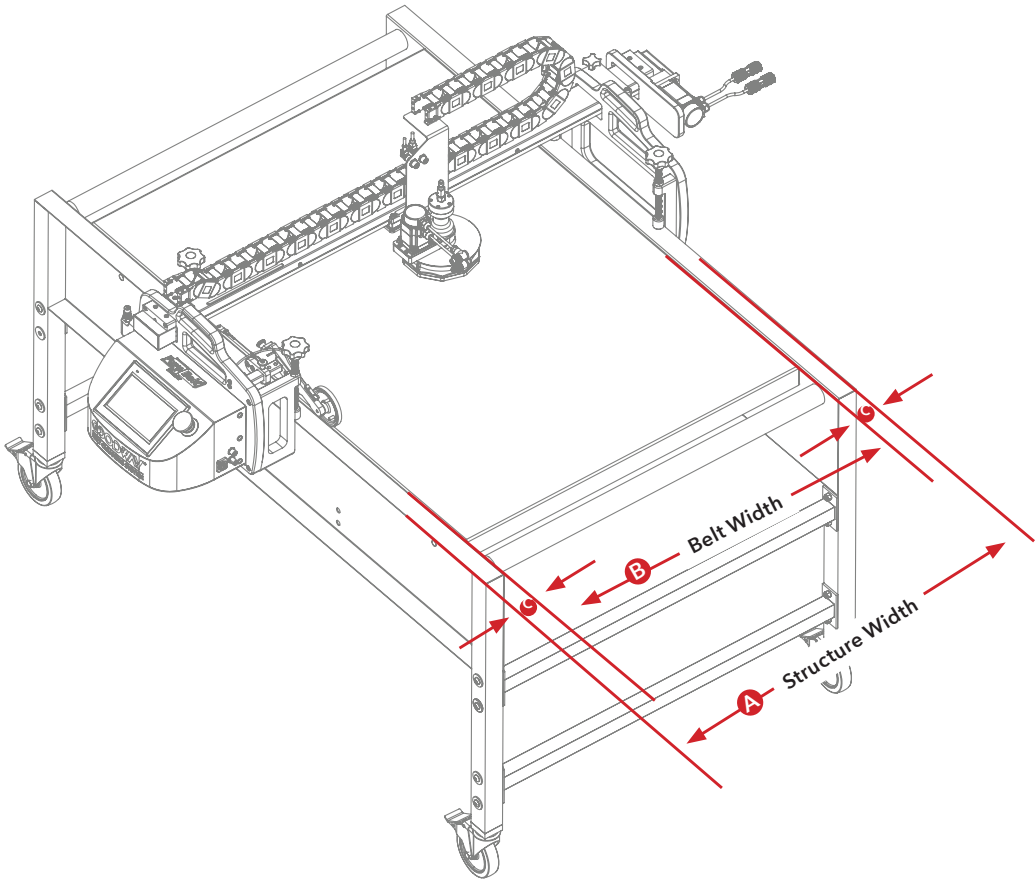
Various features removed for clarity



BELT CLEANING TECHNOLOGY

Portable PureBelt® Modular Conveyor Cleaning System

Various features removed for clarity



MODEL	A. STRUCTURE IN (MAX)	B. BELT IN (MAX)
GVC-MODULAR-34	34"	34"- (2 x C)
GVC-MODULAR-45	45"	45"- (2 x C)
GVC-MODULAR-53	53"	53"- (2 x C)

BENEFITS



IMPROVES LINE PRODUCTIVITY (AVAILABILITY)

- Improved belt condition with fewer breakdowns
- Quicker more frequent cleaning cycles
- Opportunity for 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 solution
- 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
- Powerful, easy-to-use software for optimal cleaning control

FREES-UP MAINTENANCE STAFF

- Belt removal by qualified technicians less frequent
- Time-slots for belt removal are at a premium and lower priority compared to production demands

FREES-UP SANITATION STAFF

- Staff deployable to other sanitation duties
- Manual belt cleaning normally requires multiple staff at the same time, not required for automated cleaning

IMPROVES STERILITY - KILLS MICROORGANISMS AND REMOVES DEBRIS

- Proven in mold reduction programs
- Steam kills microorganisms
- Does not require chemicals
- Environmentally attractive technology
- Meets IP65 washdown specifications
- Removes soils, pathogens, and allergens from belt surfaces
- Sanitary design maintains cleanliness

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 transfer of mold spores to product

EXTENDS LIFE OF CONVEYOR BELTS

- Less stress on the belt
- Reduces energy for running belts
- Cleaner belts last longer; clean and trouble-free belts not on the radar for expensive replacement
- Belts benefit from regular cleaning for proper traction, especially spirals

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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