

DOUGLAS[®]

WASHING AND SANITIZING SYSTEMS



BUYERS GUIDE

Quality Solutions

CONTENT

| | |
|--------------------------------|-------|
| Who We Are? | 4 |
| What Makes Us Unique | 5 |
| Vision & Mission | 6-7 |
| Standing By Our Machines | 8-9 |
| Industries Served | 10 |
| Global Reach..... | 11 |
| Product Lines | 12-13 |
| The 5e Standard | 14 |
| Smart Sense | 15 |
| Pan & Bucket Washers | 16-17 |
| Bin & Tote Washers | 18-19 |
| COP Washers | 20-21 |
| Tunnel Washers | 22-23 |
| Belt Washers | 24-25 |
| Rack Washers | 26-27 |
| Custom Wash Racks | 28-29 |
| Installation & Warranty | 30 |



Who We Are?

A brief overview

DOUGMAC is a performance-driven team of experienced manufacturing professionals. A cooperative company with a single purpose - a unified, strong commitment to serving our customers. Most importantly, we are a dynamic company committed to delivering on our core values in all that we do!

DOUGMAC utilizes a team-driven approach that resembles a fully automated factory. Our professional manufacturing experts work together to bring every project to the finish line with consistent winning results, on-time and on budget.

The keys to DOUGMAC are a culture of excellence in project execution, innovative design, operational excellence, and quality; emphasizing customer and employee satisfaction.

At DOUGMAC, we understand training, communication, teamwork, and world-class performance standards are essential to helping our clients successfully meet and exceed their goals.





What Makes Us Unique?

Every machine is quality tested and certified before going out to the field.



Amp / Current
Testing



Operational
Testing



Cycle Time
Testing



Pressure
Testing

“ We strive to make our products better, satisfy our customers, keep our employees happier and build our company to be the best it can be ”





Our Vision

To provide the highest value to our customers, suppliers, employees, and shareholders as we deliver quality Automated Washing and Sanitizing Solutions to targeted industries across the globe.

We deliver operational customer service excellence in every corner of our company, while bringing the right solutions in addressing customers specific needs.

Our long-term strategies and short-term actions are grounded by our collective set of core values, strong commitment to a safe workplace; and shared by each, and every employee.

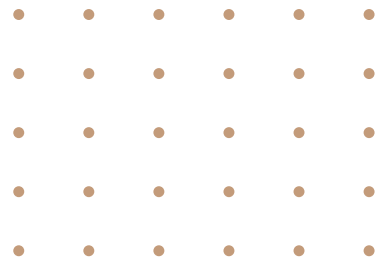
In the end, our Vision is to be the leading global manufacturing company most admired for its people, products, partnerships, and performance while being recognized as the easiest manufacturer for customers to do business with.



Our Mission

To be the Leading Global Innovator & Manufacturer of Automated Washing and Sanitizing Solutions! Fortified with a commitment to provide superior products at a fair price, delivering them on schedule while offering the best customer service in our industry.





Standing By Our Machines



INDUSTRY LEADERS

40 years of manufacturing innovative and quality solutions for multiple industries.



CUSTOMER SERVICE

Our service department provides expert support that is the best in the industry.



SERVICE & PARTS

We stock an extensive line of parts and maintenance kits to keep your machine performing it's best.

Industries Served



BAKERY



CANNABIS



DISTRIBUTION-LOGISTICS



CONTAINER MFG



FOOD SERVICE



INGREDIENTS



MATERIALS HANDLING



MEATS



SUPERMARKET



PERSONAL CARE



CONVECTIONARY



PET FOOD



NUTRACEUTICALS



POULTRY



PREPARED FOODS



PRODUCE



SNACK FOODS



MISCELLANEOUS

Global Reach





Built For You

The ideal system for your company depends on the type and quantity of the items to be washed, the type of soil to be removed, the desired wash time, available utilities, level of flexibility, space limitations and budget considerations.





The 5E Standard:



EFFICIENT

Maximum productivity with minimum wasted effort.



EFFECTIVE

Consistent results that can be tracked



EASY TO USE

Straight forward and simple to set up, operate & maintain



ECONOMICAL

Increase value by operating resources to save on time, money & effort spent



ECO-FRIENDLY

Conserves resources to not harm the environment

YOUR PARTNER FOR SAFE, EFFECTIVE & EFFICIENT CLEANING.

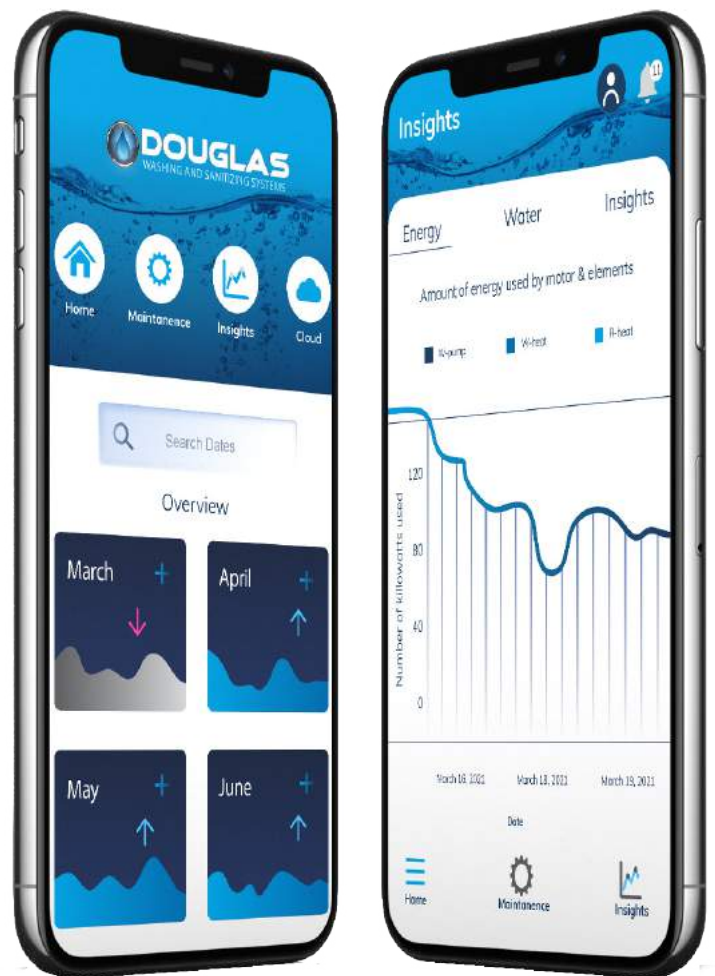


Knowledge you have in your hands

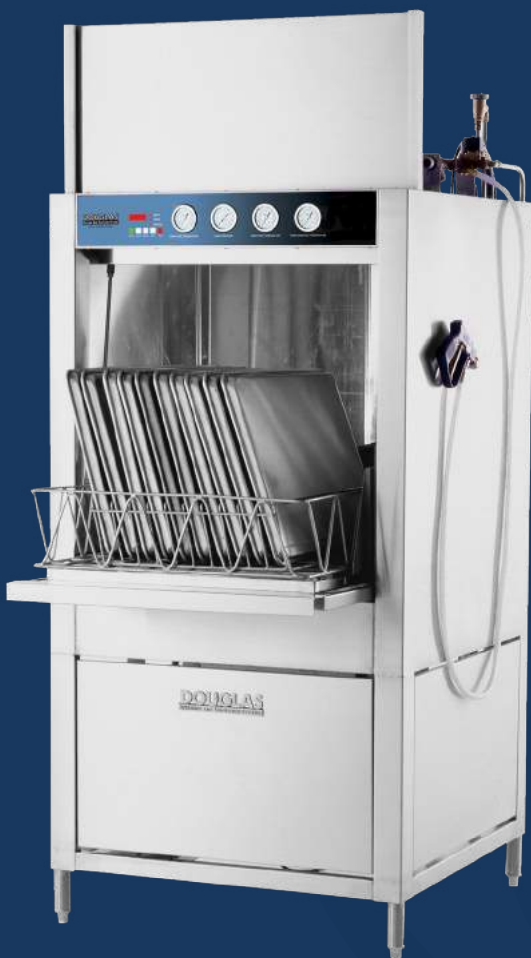
Smart Sense is our newest featured app, that connects you to your washing and sanitizing solution. It lets you track real time wash cycles and relays diagnostics, maintenance, and analytical data.

Allowing you to have the complete system performance information in minutes.

- 💧 Real time Performance.
- 💧 Energy, Water, and Flow Rate
- 💧 Maintenance Diagnostics
- 💧 GSM, WIFI, or LAN Connections
- 💧 Number of Cycles per day/shift
- 💧 Monitor and Track Energy
- 💧 Monitor and Track Water Usage
- 💧 Track Energy & Water Savings



PAN / BUCKET WASHERS



General Overview

A complete range of general-purpose washers for smaller batch quantities, provides maximum cleaning in the smallest footprint. Ideally suited for most industries, with flexibility in styles for washing a wide variety of sizes and types of containers and trays. Models designed to satisfy space, placement, workload, and budget. Adaptable for higher throughput applications and emergency rack washer backup. Pre-programmed wash cycles of just 4, 6 or 8 minutes for varying soil conditions, clean-up is quick and economical.

Features & Highlights

High Quality Stainless Steel Construction
Recirculating Detergent Wash Tank
Fresh Water Sanitizing Rinse Tank
Automatic Water Level Controls
Rotating Wash Arms
V Jets to Remove Stubborn Soils
Processes Up to 10 Batches an Hour

Self-Contained Water Heating
Standard and Custom Wash Racks
External Rinse Hose and Spray Gun
Easy to Clean Filtration System
Pre-Programmed Digital Control or PLC
with HMI Color Touch Screen



BIN / TOTE WASHERS



General Overview

Experience a reduction in cleaning time and resources with small batch configuration for large volume containers. Clean many different vat, bin, vemag carts and buggy types with models specific to general food processing, meat, and dairy applications. Models clean up to 2 containers simultaneously and are suitable for wet or dry areas. Each can be equipped with standard or custom designed wash racks to process several types of containers. With programmed, pre-wash and wash cycles which are adjustable depending on the model for varying soil conditions, clean-up is quick and economical.



Features & Highlights

High Quality Stainless Steel Construction
Thermostatically Controlled Temperatures
External Filter System
Removable Catch Basket
25 H.P. Wash Down Duty, Motor

Separate Pre-Wash and Wash Tanks
Door Operated by Hydraulic Cylinders
Automatic Rinse Diverter to Preserve
Steam or Electric Booster Heating



C.O.P. WASHERS





General Overview

Clean Out of Place Washers are designed to aid in the cleaning of machine parts, valves and tubes in a recirculating wash tank that provides continuous, turbulent, jet action. This controlled action is ideal for cleaning irregular shaped parts that tend to have surfaces that are difficult to reach with conventional spray patterns. Parts are placed directly in the wash tank or immersed in stainless steel baskets for ease of handling. Tri-clover clamps in supply lines are provided for quick break down and cleaning. Water temperature is maintained with your choice of live steam injection or electric maintenance heating. The unit is supplied with two fixed and two locking swivel castors for convenient portability.

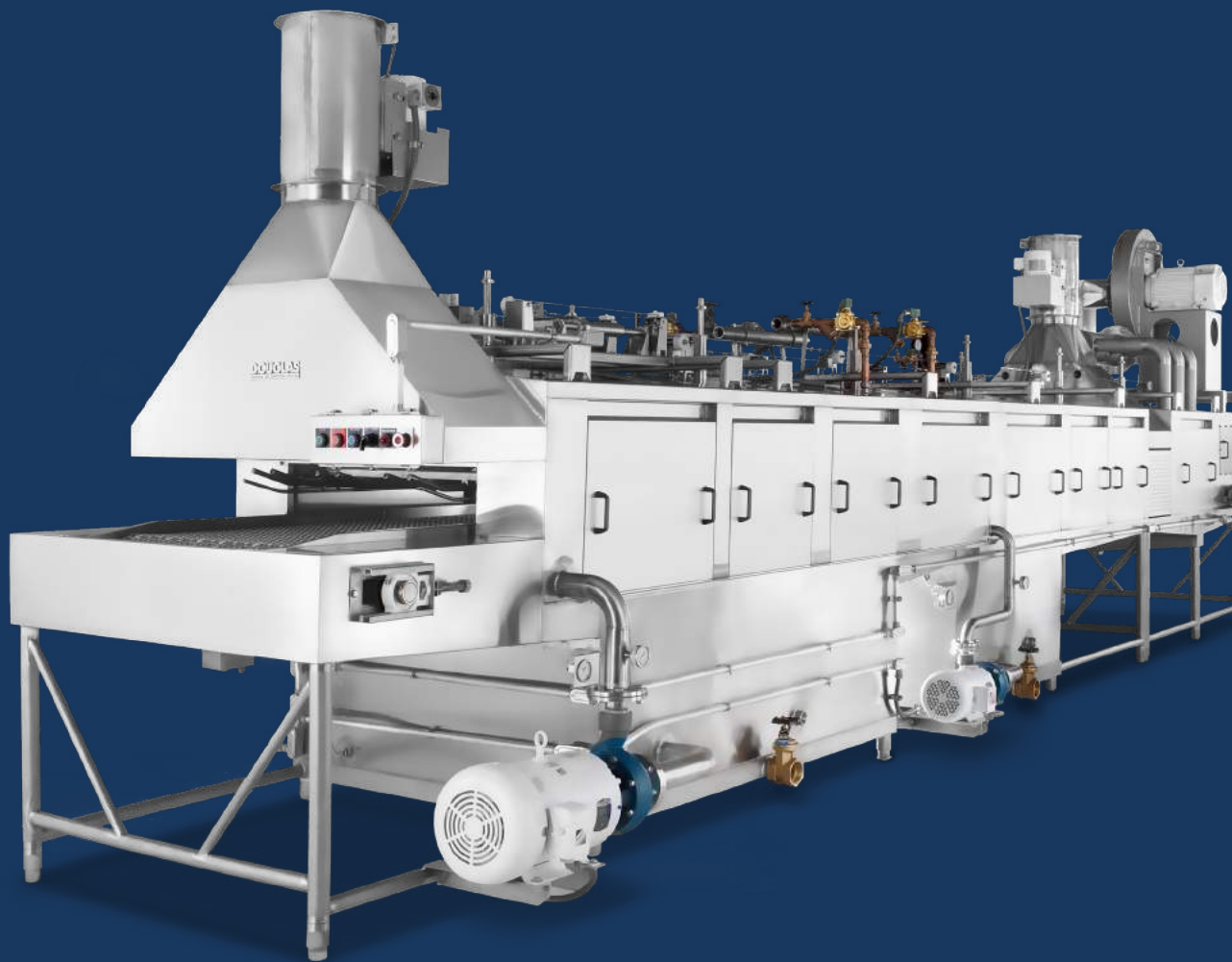
Features & Highlights

Multiple Turbulation Patterns
Adjustable Cycle Time
Side and End Jets
Tri-Clover Clamps for Ease of Cleaning
Optional Parts Baskets
High Quality Stainless Steel Construction

96" Long Wash Tank
High Efficiency Motor
Automatic Temperature Control
NEMA 4X Control Panel
Steam or Electric Booster Heating



TUNNEL WASHERS



General Overview

Douglas tunnel washers are designed for continuous processing of items at high volume capacity, and the ability to process the broadest range of applications. Select from any heating configurations, single or multiple lane designs, and options for manual loading, in-line production or automated material handling. Suitable for wet or dry areas, the modular construction with flexible configurations allows for variable washing capacities of 100 to 1,000's per hour.

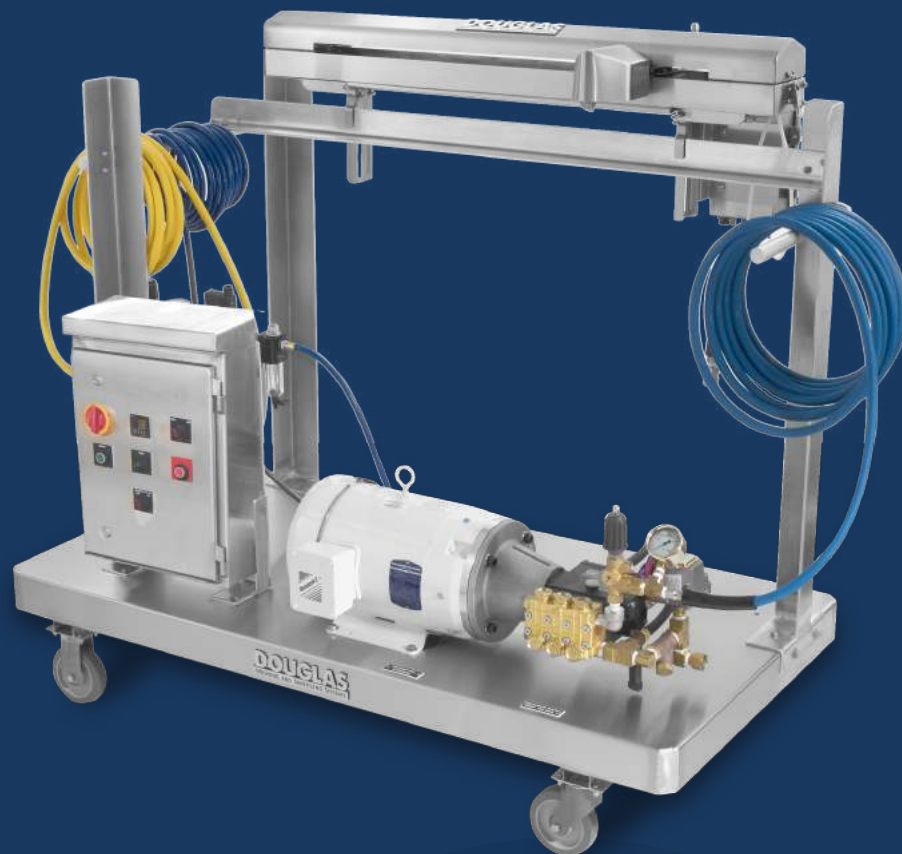
Features & Highlights

Stainless steel roller chain or flat wire belting
Fixed or adjustable product guides
TEFC or Wash Down Duty Motors
Electric, Gas or Steam water heating
Load/Unloading tabling
UL listed NEMA 4 or 4X Control Panel
High pressure ambient or heated blow-off modules

Specialized volume washers
4 standard sections
6 pre-engineered configurations
Sanitary sloped roof design
Process 100's to 1,000's of units per hour
Single to multiple lane designs



BELT WASHERS



General Overview

Reduce down time, remove allergens, increase belt life and save water and labor with a Patented Cyclone Belt Washer. Applications include Spiral Conveyors, Freezing Tunnels, Meat Fryers/Ovens or any other type of belt that allows for drainage. Designed for maximum shearing action and cleaning effectiveness, the rotating spray head cuts and removes stubborn soils from both the top and the bottom in one pass. The complete system comes with a portable cart that allows you to move from one belt to another for quick clean up. Consider an optional "Air Blast" blower with portable air knives to aid in drying, an optional catch pan to collect water for convenient routing to drain and an optional Linear Spray Head for solid belt applications

Features & Highlights

Cleans Metal or Plastic Belts

Speed and Pressure Adjustment

Uses Just 3 to 4 GPM at 1500 to 2000 PSI

Cleans Without Degreasers or Caustics

Removes Fats, Sugars, Oils and Allergens

Works With Or Without Hot Water

Reduces Spiral Belt Tension

UL/CSA/CE Approved Control Panel

Parts and Performance Warrant



RACK WASHERS



General Overview

Designed for higher capacity throughput and volume, the line provides washing versatility, capable of cleaning similar cabinet washer items as well as racks, containers, trucks, dollies, trolleys, and other larger scale items. Models are built for easy installation and seamless transporting, with placement flexibility of pit, ramp, or ramp-less options. It's the perfect blend of functionality and ease of use.

Features & Highlights

High Quality Stainless Steel Construction

High Efficiency Motor

Recirculating Detergent Wash Tank

Separate Fresh Water,

Fresh Water Sanitizing Rinse Tank

Automatic Water Level Controls

Pre-Programmed Digital Control or PLC

with HMI Color Touch Screen

Rotating Wash Arms with V Jets
to Cut and Remove Stubborn Soils

Self-Contained Water Heating

External Rinse Hose and Spray Gun

Easy to Clean Filtration System

Designed for Pit or Ramp Installations

Processes Up to 10 Batches an Hour



WASH RACKS



General Overview

Douglas Custom Racks are constructed of Stainless Steel and are specially design to hold a wide variety of containers. Sizes and Capacities are dependent on the available wash zone which is specific to a particular model. Each custom rack is design to hold containers in the proper position to spray patterns, to maximize cleaning effectiveness and to drain properly.

Features & Highlights

Wash Racks

Storage Racks

Transport custom rack size for any machine

Corrosion resistant hygienic with excellent cleanability

High Quality Stainless Steel Construction







Installation

Washing equipment demos, installations

Not only does Douglas Machines offer customization on leased washing equipment, we provide installation, equipment demonstrations, wash tests and more. Factory Acceptance Tests (FATS) are also extended to those that finance equipment. You can upgrade leased equipment as needed based on buildouts, renovations or new facilities.



Warranty

Due to our many custom options, we quote based on your desired equipment and application. Leased equipment comes with a 1-year warranty or an additional year extended warranty for purchase. This is based upon 10% of the equipment cost.



Service & Parts

Due to our many custom options, we quote based on your desired equipment and application. Leased equipment comes with a 1-year warranty or an additional year extended warranty for purchase. This is based upon 10% of the equipment cost.

Our network of 1200+ Certified Service Partners will keep your machine performing its best.

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