



A Proud Member
of the FPS Family



TOTE HANDLING SYSTEMS

Forging the Future of Food Processing
Through Innovative and Hygienic Design

WHO WE ARE

About CMP

CMP is a proud member of the Food Process Solutions Corp. family (FPS). We design and manufacture hygienic solutions for food processing customers around the world and have been for over 60 years. The CMP head office is based just outside Charlottetown, PEI, Canada. We have over 25 engineers, 100,000 square feet (9300 m²) of manufacturing space, and a dedicated installation team to provide our global customers with food processing solutions.

OUR VISION

Forging the Future of Food Processing Through Innovative and Hygienic Design

Our focus on the food processing industry fosters expertise throughout our entire organization and across all of our teams. We listen to our customer's needs and work collaboratively to bring innovation and creative solutions to every project. We are truly forging the future of food processing through innovative and hygienic design.

OUR MISSION

We Engineer Food Safety

From our hygienic designs, to our material and component selections, from our engineers, to our welders and fabricators, from our project managers, to our installation teams; our food processing equipment is designed with one focus – to deliver innovative food processing solutions for safe food production. We Engineer Food Safety.





60+ YEARS TOTE HANDLING SOLUTIONS

OVERVIEW

Our tote handling systems have been developed specifically for the food industry including fruit, vegetable, seafood, meat, poultry, and other food processing facilities. Throughout the raw material handling area, process floor, and packaging area, our tote handling systems are hygienically designed to deliver the product into the production line safely and efficiently.

Some of our solutions include dumpers, flippers, elevators, de-stackers, washers, and storage systems.

We customize the size, capacity, and automation of each tote handling solution based on our client's specific needs and container design. Only food grade materials are selected to allow for ease of sanitation and safe food handling.

TOTE DUMPING + LIFTING SOLUTIONS



**SINGLE STAGE
TOTE DUMPER**



**BARREL DUMPER -
TOWER STYLE LIFT + DUMP**

WE DESIGN SOLUTIONS FOR ANY SIZE OR STYLE OF BIN, TOTE, PAN, TRAY, BARREL OR BUCKET THAT REQUIRES DUMPING OR LIFTING.

HYGIENIC DESIGN

Stainless steel components are selected for full washdown service and ease of sanitation. Fully welded construction and precision TIG welds eliminate harbourage areas.

CUSTOMIZABLE SOLUTIONS

Customized equipment to fit any size barrel, bin or tote. Tower height requirements can be accommodated for any height. An easy to use control panel is designed to start and stop your tote dumping equipment at the push of a button.

HYDRAULIC OR ELECTRIC POWER

Our dumpers utilize either hydraulic cylinders and power units or electric motors to effect the lifting and dumping depending on the application. Stainless steel components are used for the process area.



**CAPTIVE STYLE
TOTE DUMPER**



**FLOOR LOAD
BARREL DUMPER**

FM ELIMINATION

We offer two types of tote dumpers to eliminate FM carry over from the pallet - two stage and captive style dumpers. For captive style dumpers a separate set of cylinders is used to raise the floor of the dumper capturing the top of the tote under a lip ensuring that only the product inside the tote flows to the production line.

MULTIPLE TOTE HEIGHTS

Our retaining bar adjusts every 2 inches to accommodate a variety of different container heights. An automatic adjusting system is available as an option.

ROBUST FRAMES

Our robust stainless steel support frame is designed to handle loads up to 3000 pounds. Precision continuous TIG welding ensures the frame is free from cracks or crevasses eliminating harborage areas.

TOTE WASHING SYSTEMS

MANUAL WASH BOX

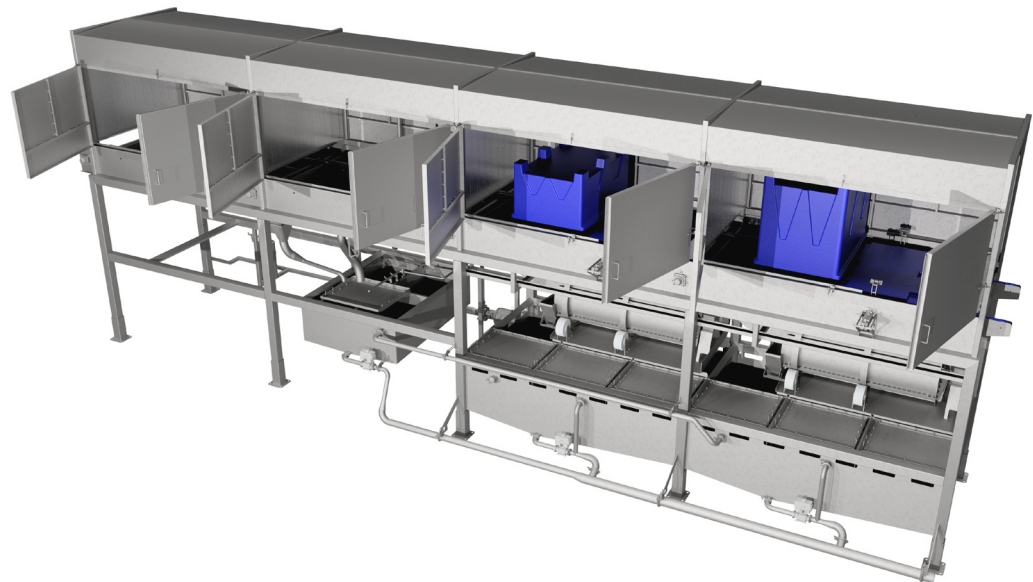
A roller conveyor is coupled with an enclosed spray wash cabinet. Curtains on the infeed and outfeed prevent water leakage. A single pump supplies pressurized water to a series of spray nozzles arranged in a staggered pattern, thoroughly washing the inside and outside of the totes.

SEMI AND FULLY AUTOMATIC CONVEYOR DRIVEN TUNNEL WASHERS

Featuring 3 or 4 stage washing including initial high-pressure spraywash, sanitizing chemical wash, high-pressure rinse, and a final application of sanitizer if required. Separate pumps and collection tank zones allow for re-use of water and chemicals.

WATER CONSERVATION

For heavily soiled totes with large particulate, a screening reel or tri-rod angle screen can be added at the first stage high pressure wash to recover and re-use wash water in a recirculation loop reducing water consumption.



CUSTOMIZABLE SOLUTIONS

CMP makes a full range of tote washers from manual, semi-automatic, and automatic tunnel style for washing and sanitizing of pans, lugs, bins, trays, totes, Xactics, and barrels.

TOTE HANDLING SYSTEMS



CUSTOMIZABLE SOLUTIONS

Regardless of how you need to move, dump, flip, wash or store your totes, our experienced team can build a solution that meets your needs. We often combine several pieces of equipment to form an overall tote handling system. Our robust stainless-steel products are hygienically designed, and fully welded to eliminate harbourage areas.

TOTE STACKER AND DE-STACKER

Our tote handling system can be customized to accept totes of various sizes. Totes can be loaded into the system 4 or 5 totes high. The system de-stacks the full totes into individual totes, flips the tote, washes the tote and re-stacks the empty totes ready to be loaded back onto the truck. The system comes complete with a control system that allows the operator to adjust dump speed depending on production requirements. Weigh scales can also be added to the system to assist with automatic adjustment of plant feed.

PAN FLIPPERS

CMP has developed a high-speed dumping system for various lugs or pans used in the berry process industry. The control system allows for automatically setting of dump speed as fast as a tote every 3.5 seconds (17 totes per minute). Totes are ejected upside down and typically travel to an automatic tote washer that can also be supplied for a complete pan dump and wash system.

TOTE STORAGE

Totes are received by the infeed tote shuttle, the tote travels to the appropriate storage row on a linear rail system and is released into the gravity feed laneway. Built in speed controllers are installed within the lanes to minimize flow speed and eliminate tote damage. FIFO flow philosophy is used. A pneumatic gate will control tote delivery to the discharge shuttle. Elevators are incorporated for large scale, multi level tote storage systems.

ADD BACK SYSTEM

Add back systems are routinely used in packaging lines to allow for an effective off load and re load of product should production line rates and equipment downtime require a storage buffer. Our hygienically designed turnkey system includes a tote dumper, hopper with live load bottom belt conveyor and a delivery conveyor or incline conveyor to packaging.

TOTE HANDLING SYSTEMS TO MEET EVERY NEED



INNOVATIVE CONVEYOR SOLUTIONS FOR

- PLASTIC MODULAR BELTING
- HOMOGENEOUS, SOLID URETHANE BELTING
- RUBBER AND FABRIC BELTING
- WIRE MESH BELTING
- INCLINE AND DECLINE APPLICATIONS
- RADIUS CONVEYORS, CUSTOM CURVES
- SPIRAL APPLICATIONS
- TROUGH CONVEYORS
- FLUID REMOVAL SYSTEMS (FRS)
- DEWATERING CONVEYORS
- VIBRATORY CONVEYORS
- TOTE HANDLING CONVEYORS
- OZONE WASH CONVEYORS
- MERGE, DIVERT, AND SORTING APPLICATIONS
- HEAVY DUTY CUT CONVEYORS
- CASE HANDLING CONVEYORS
- STACKED TRIM TABLE AND PACK-OFF CONVEYORS



CUSTOMIZED SOLUTIONS

We work with each food processor to determine exactly what kind of solution is required to solve their problem. Through a detailed scope development process and active listening, we determine the best application for your processing needs. Leveraging our hygienic design engineering experience we challenge our team to innovate and solve problems others cannot.



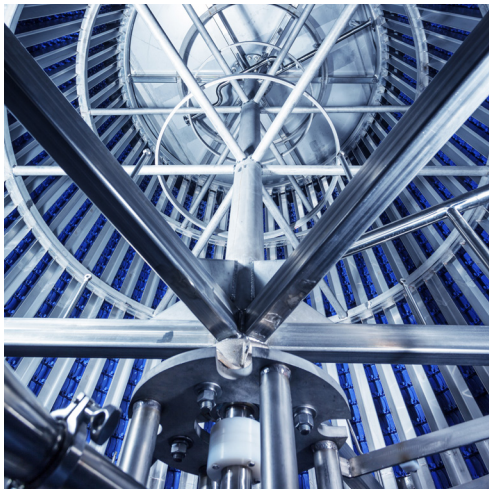
IN-HOUSE MANUFACTURING CAPACITY

Our state-of-the-art facility offers 100,000 square feet (9300 m²) of manufacturing excellence. All fabrication is completed in-house using the latest technology and efficiencies in water jet cutting, laser cutting, and CNC brake forming. All equipment is completed by highly trained machinists, fitters, welders, and assemblers, all with experience in the food industry and sanitary design.



HYGIENIC FABRICATION

Our welders and fabricators are required to complete an in depth hygienic fabrication certification process, a proprietary program to CMP, specific to the food processing equipment industry. Our skilled welders are trained in the latest hygienic design principles and apply them to each weld, fit, and assembly they complete.



GLOBAL PARTNERSHIPS

As a subsidiary of FPS Food Process Solutions Corp. we are part of a global enterprise dedicated to manufacturing the safest food processing equipment in the world. We source our materials from only the highest quality producers and hold our staff accountable for being part of the food safety movement.



ENGINEERING CAPABILITIES

With over 25 engineers focused on innovation and hygienic design, we customize solutions for every food processing industry. With over 60 years experience manufacturing equipment for the food processing industry, we have the knowledge and expertise required to produce extraordinary results.



WORLDWIDE INSTALLATIONS

Our large installation team travels across the globe to ensure the installation of your equipment is completed with quality precision and accuracy. We work alongside you during commissioning and do not leave your facility until you are satisfied with your equipment installation and the service you've received.



CMP TOTAL SOLUTIONS

- **SPIRAL SYSTEMS**

Direct Drive and Side Drive Technology Solutions

- **TOTE HANDLING SYSTEMS**

Dumpers, elevators, washers, storage systems

- **BATCH AND CONTINUOUS COOKERS**

Atmospheric steam, high pressure steam, hot water

- **BATCH AND CONTINUOUS CHILLERS**

Fresh water, brine

- **FLUID REMOVAL SYSTEMS**

Belt conveyor, vibratory conveyor, suction plenum systems

- **SEAFOOD PROCESSING SYSTEMS**

Complete process lines for lobster, crab, mussels, and other shellfish.

- **FRUIT PROCESSING SYSTEMS**

Complete line cranberries, blueberries

- **ADD BACK SYSTEMS**

Tote dumping and even flow of frozen product back into the packaging line

- **PROCESS TANKS AND STORAGE TANKS**

Wide range of single wall and jacketed tanks to 20,000 gallons capacity

- **SANITARY CATWALKS, MEZZANINES**

Sanitary catwalks, platforms, support structures and mezzanines

OUR PEOPLE



INNOVATION + ENGINEERING EXCELLENCE



THE CMP WAY IS TO CONSTANTLY IMPROVE

Consistent customer service excellence is planned – it does not happen by chance. We developed “The CMP Way” set of processes to exceed customer expectations with the design, manufacture, and installation of our innovative and hygienic food processing equipment. The CMP Way starts with the first engagement with our customer as we work to understand their needs. It finishes with professional installation and successful commissioning of our solution with follow up once the line is running to ensure we exceeded expectations. We are with you from start to finish - that is the CMP Way.

The CMP logo features the letters 'CMP' in a bold, white, sans-serif font, enclosed within a white, stylized circular outline that resembles a metal flange or a similar industrial component.

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FPS FOOD
PROCESS
SOLUTIONS

**STRONGER
TOGETHER**

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