



COP system

Pantech technology designs and builds clean-out-of-place (COP) tanks around your working volume and process requirements. Recirculation jets provide turbulent cleaning action for removable components and parts.

FEATURES & CONFIGURATIONS

- Custom working volumes from 400 L to 1,000 L
- 316L stainless steel inner vessel with 304 exterior cladding
- 2-inch insulation for temperature retention during the wash cycle
- Steam injection or hot-water heating options
- Sanitary recirculation pump with VFD speed control
- Pneumatic butterfly valves and IFM instrumentation
- Allen-Bradley CompactLogix PLC and PanelView HMI
- Optional casters for repositioning on the floor



Configurations and options are tailored to the project.

Designed and fabricated to meet applicable CFIA requirements.

Share your application, required configuration and project drawings with our team.

Discuss your COP requirements >

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Mississauga, Ontario



Stainless steel tanks

Pantech technology designs and fabricates stainless steel tanks for food and industrial process applications. Storage tanks, mixing tanks and custom process vessels are configured around your specifications and production requirements.

FEATURES & CONFIGURATIONS

- 304 or 316 stainless steel construction
- Smooth, polished internal finishes
- TIG-welded construction
- Vertical, horizontal and skid-mounted configurations
- Single-wall, jacketed or insulated options
- Scraper and agitator integration
- Level sensors and process instrumentation
- Designed for integration with clean-in-place (CIP) systems



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Discuss your tank requirements >

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Valve clusters

Pantech technology valve clusters bring automated valve control together in a sanitary process assembly. CIP-ready construction and automation integration support the routing requirements of your processing system.

FEATURES & CONFIGURATIONS

- Fully automated valve control
- CIP-ready configuration
- Hygienic stainless steel construction
- Integration with your automation system



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Discuss your valve cluster >

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Distribution headers and jacketed piping

Pantech technology designs and fabricates custom distribution headers and jacketed process piping for food, dairy, pharmaceutical and industrial applications. Assemblies can be engineered to your P&ID or developed from your process parameters.

FEATURES & CONFIGURATIONS

- Multi-outlet headers for CIP, product and utility service
- Steam-jacketed and hot-water-jacketed pipe assemblies
- 316L sanitary tubing
- Orbital and manual TIG welding with borescope inspection
- Tri-clamp, butt-weld and flanged end configurations
- Pipe rack and skid assembly fabrication
- Engineering to client P&IDs or process parameters
- Material certificates, weld maps and pressure-test documentation



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Share your application, required configuration and project drawings with our team.

Discuss your piping assembly >

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CIP systems

Pantech technology designs and builds clean-in-place (CIP) skid systems with integrated process controls. Each skid is fabricated in-house and configured around the cleaning circuits, equipment and operating requirements of your facility.

FEATURES & CONFIGURATIONS

- Single-circuit and multi-circuit configurations
- Raw, pasteurized and CIP-return circuit configurations
- Optimized wash sequences
- Pneumatic valve assemblies: Bardiani, Definox and Alfa Laval
- Allen-Bradley PLC and PanelView HMI
- 316L stainless steel construction
- P&ID documentation, weld maps and material certificates



Configurations and options are tailored to the project.

Designed and fabricated to meet applicable CFIA requirements.

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Discuss your CIP requirements >

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HTST pasteurizers

Pantech Technology's HTST pasteurizer brings preheating, process control, product routing and sanitation functions into an integrated processing system. Recipes and preset configurations support product selection and changeovers.

FEATURES & CONFIGURATIONS

- Preheating through final sanitation functions
- Product selection and changeover controls
- Fat standardization through skimming
- Fat or liquid adjustment to the required balance of solids
- Product routing with recipes and preset configurations
- Touchscreen control and monitoring interface
- Control functions for fouling compensation
- Installation and commissioning support



Configurations and options are tailored to the project.

Designed and fabricated to meet applicable CFIA requirements.

Share your application, required configuration and project drawings with our team.

Discuss your pasteurization process >

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Batching kettles

Pantech technology batching kettles are tailored to your process, combining stainless steel construction with mixing and temperature-control options. Each assembly can be configured for your product, heating or cooling duty and automation requirements.

FEATURES & CONFIGURATIONS

- Agitation and scraping systems
- High-shear mixer integration
- Jacketed or non-jacketed configurations
- Heating and cooling options
- 316 stainless steel product-contact surfaces
- 304 stainless steel cladding with rock-wool insulation
- Polished finish and hygienic fittings
- CIP features and automation-ready configuration



Configurations and options are tailored to the project.

Designed and fabricated to meet applicable CFIA requirements.

Share your application, required configuration and project drawings with our team.

Discuss your batching requirements >

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Stainless steel silos

Stainless steel silos configured for process storage, including heated and insulated outdoor applications. Pantech technology combines engineering, in-house fabrication and field installation around your product, location and operating requirements.

FEATURES & CAPABILITIES

- Custom stainless steel silo manufacture
- Heated storage configurations
- Insulated storage configurations
- Outdoor storage applications
- Engineering and in-house fabrication
- Field installation and project integration



Heated, insulated outdoor storage silo.

Designed and fabricated to meet applicable CFIA requirements.

Share your stored product, operating requirements, available utilities, connection details and installation space with our team.

Discuss your silo requirements >

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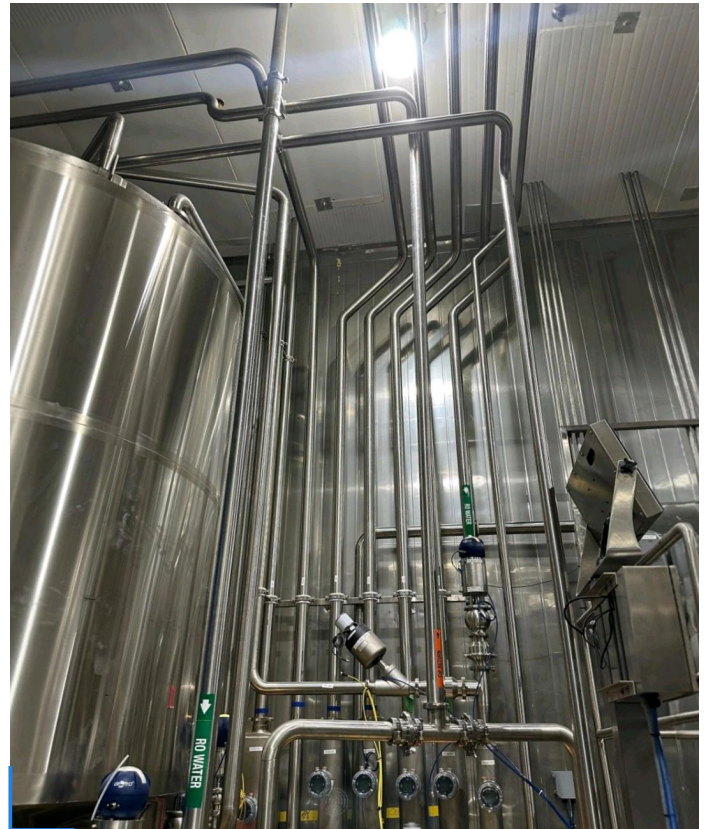


Process & power piping

Pantech technology provides design, fabrication and installation for process and power piping. Shop and field capabilities support sanitary process lines, plant utilities and industrial piping projects, with CAD, inspection and millwright services available within the agreed scope.

FEATURES & CAPABILITIES

- Process and power piping design
- Shop fabrication, assembly and repair
- Field fabrication, assembly, erection and repair
- Sanitary process and utility piping installation
- Piping CAD and connection-layout support
- Visual, dye-penetrant, borescope and ultrasonic inspection services
- Rigging, equipment installation and maintenance support



Dairy utility and production piping installation.

TSSA-authorized shop and field piping work

TSSA authorizations: QA-11398 for ASME B31.1 power piping and QA-11399 for ASME B31.3 process piping, covering the listed shop and controlled field-work scopes.

Share your piping duty, applicable design basis, drawings, connections, site conditions and requested schedule.

Discuss your piping project >

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