PREMIER TECH - PT SYSTEMS AND AUTOMATION
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PRELIMINARY QUOTATION

AIREX ENERGY
2500 RUE BERNARD-LEFEBVRE
LAVAL, QC, H7C0A5

DATE: 5/25/2021
NO.: QT-IEGA-BELB3-210503-0
REVISION: 0

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Premier Tech is pleased to present a proposal for the supply of packaging equipment.

This preliminary proposal includes the following items:

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A PRICE SUMMARY AND DESIGN CRITERIA

A.1 DESIGN CRITERIA AND LAYOUT

This proposal has been prepared based on Premier Tech's understanding of AIREX Énergie's general requirements and layout. Those requirements can be found as attached files “FAF_ Prélim_Airex_Energy R1”and layouts “AIREX ENERGIE - LAVAL QC - 2004AZ08-G002” dated “2021-05-21. AIREX Énergie is responsible to bring to Premier Tech's attention any correction or modification that could be required regarding these figures.

A.2 INCLUDED ITEMS IN THIS PRELIMINARY PROPOSAL

This preliminary proposal gives a price estimation only. A formal proposal shall be performed to define the project and to establish the final price.

QTY	ITEM	PRICE (CAD)
1	FEEDING AND WEIGHING SYSTEM	104,615
1	O-5531G-C Feed Hopper with High and Low Level Sensors - SS304	Included
1	O-5534G-C Standard Support Structure for Feed Hopper	Included
1	55GHS-C High-Speed Gravity Feeder for E55	Included
1	E55-iQ Chronos Richardson Electronic Net Weigher	Included
1	SE-5507-C Recommended Safety Device - Standard External Support Structure with Mezzanine and Ladder	Included
1	OE-5513-C Anti-Vibration Set	Included
1	OE-5532-C Transition Hopper in SS304 for FFS Bagger	Included
1	OE-5540-C Flexible Flange for FFS Bagger	Included
1	BAGGING SYSTEM	223,090
1	FFS-210 Horizontal Form, Fill & Seal	Included
1	SFS-2000 Recommended Safety Device - Complete External Guards to Prevent Access Inside the FFS	Included
1	OFS-2001 Electrical Transformer	Included
1	OFS-2006 Dust Collecting Ports	Included
1	OFS-2070 Horizontal Fixed Roll Support	Included
1	OFS-2099 FFS Outfeed Belt Conveyor with Adjustment System and Pivot 10'	Included
1	ROBOT PALLETIZING SYSTEM	352,130
1	CF-5030 Square Tubes Conveyor 6'	Included
1	RPL-2111-N Robotic Palletizer	Included
1	RPLO-0101 FANUC Robotics Arm M-410iB/140H	Included
1	RPLO-0201 Finger Gripper	Included
1	RPLO-0301 – Flexible Unit Infeed	Included
1	RPLO-0601 Slip Sheet Handling by Robot Including Sheet Stand	Included
1	RPLO-0716 Upgrade for 575 Volts Applications – Transformer 575 V/460 V NEMA 12	Included
2	CP-2101 Chain Driven Live Roller Conveyor 5'	Included
1	CP-6002 Gravity Rollers Conveyor 5'	Included
1	OCP-0007 Fork Lift Guarding	Included

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1	STRETCH WRAPPER STAND ALONE	28,385
1	SMH-200 HIGH-PROFILE TURNTABLE STRETCH WRAPPER	Included
1	REMOTE ACCESS	10,080
1	COM-1010 Remote Support through VPN connection	Included
1	OCM-1010 Ethernet Network between Equipment	Included
1	CAM-1001 - IP Poe Amcrest Camera + POE Switch	Included
1	OCAM-1001A – Additional IP Poe Amcrest Camera	Included
1	MISCELLANEOUS	2,910
1	ENG-1010 Engineering, Control Integration and Software	Included
1	ENG-1015 Project Management and Layout	Included
1	FSU-1010 Factory Start-Up	Included
1	FREIGHT	3,555
1	CRA-1010 Crating and Loading	Included
1	FRE-1010 Allocation for Freight	Included
1	INSTALLATION	42,790
1	Allocation for Supervision of Installation, Commissioning and Training [190 hours on site]	Included
	Total	**CAD767,555**

A.3 AVAILABLE OPTIONS

QTY	ITEM	PRICE (CAD)
1	OPTIONS - FEEDING AND WEIGHING SYSTEM	
1	O-5541B-C Access Doors into Feed Hopper for 1 Weigher (1 Access Door)	2,945
1	O-5542B-D Cover on Top of the Feed Hopper (Plain Cover) (for 1 or 2 Weighers) – SS304	2,320
1	OE-5514-C Calibration Validation	3,690
1	OPTIONS - BAGGING SYSTEM	
1	OFS-2004 Exit Conveyor Powered Up and Down	1,825
1	OFS-2010 Gusset Former	18,270
1	OFS-2017 Remote Control	1,515
1	OFS-2022 Vertical Settling Device	8,145
1	OFS-2026 Electric Panel Heaters	2,245
1	OFS-2027 Electric Panel Air Conditioning	5,505
1	OFS-2069 Horizontal Film-Roll Support with Lifting System	12,600
1	OPTIONS - BAG CONVEYING SYSTEM	
1	SCF-1001 Additional Emergency Stop Pull Cords on Both Sides of Conveyors or one Central Pull Cord Above the Conveyors	6,270
1	SCF-1002 Recommended Safety Device – Safety Fences on Both Sides of Conveyors with One Interlocked Access Door (4'7" – 1400 mm) 17'	6,110
1	LEAK DETECTOR	
1	OCF-5008 Leak Detector for Bag Flattener (automatic reject) – Major Leak	2,820
1	OPTIONS - ROBOT PALLETIZING SYSTEM	
1	RPLO-0220 Upgrade to Automatic Bag Width Adjustment for Finger Gripper – Servomotor System	17,250
1	RPLO-0701 Electrical Panel Heaters	2,230

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1	RPLO-0702 Electrical Panel Air Conditioning	5,505
1	RPLO-0703 Tower Light	1,935
1	OPTIONS - PALLET ACCUMULATION CONVEYORS	
1	SCF-1002 Recommended Safety Device – Safety Fences on Both Sides of Conveyors with One Interlocked Access Door (4'7" – 1400 mm) 10'	4,990
1	SCF-1001 Additional Emergency Stop Pull Cords on Both Sides of Conveyors or one Central Pull Cord Above the Conveyors	6,300
1	SPARE PARTS	
1	ZSP-2000 Basic Spare Parts Kit	14,280
1	MISCELLANEOUS	
1	ZYO-2000 - Year One Program – CAD (3 Visits of 2 Days)	18,175

Important Notes:

- Bag sizes and construction, I-mark size, position and color, and palletizing patterns may have to be revised to suit automatic bagging and palletizing.
- U-film, product and filled bag samples may have to be supplied and shipped, pre-paid by the customer to Premier Tech for evaluation.
- For mixing lines, confirmation of customer recipes is necessary prior to start engineering.
- Confirmation of design criteria is necessary prior to the final design of the equipment package. Changes in the design criteria may influence delivery, production rate and/or option selection, leading to possible revision of this proposal and prices.
- The estimated production rates illustrated in this proposal are based on Premier Tech's cycle time analysis tools and on performances in *similar* projects with *similar* products. The estimation is intended to inform the Purchaser only and is not intended to anticipate all uncertainties associated with the Purchaser's specific applications which can have as an overall effect to decrease the final production rate.
- The final production rate obtained is dependent upon many factors such as the actual product characteristics and behavior at customer site, existing customer feeding methods and the environment at customer's site. Higher production rates may be achieved on site when Premier Tech optimizes the system during commissioning.

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B TERMS OF PAYMENT

- 30% on order
- 20% six (6) weeks from order
- 20% twelve (12) weeks from order
- 20% before shipment
- 10% net 30 days from beginning of commissioning, no later than 60 days from shipment (whichever comes first)

All equipment is quoted in Canadian dollars. Applicable taxes, customs, duties, brokerage fees and clearance are not included.

Payment upon receipt of invoice.

Please note that the above-stated prices are net unit prices and are valid for 30 days. For standard terms and conditions of sale, see reverse or appendix.

C SHIPPING TERMS

- CIP Bécancour, QC, Incoterms® 2010
  - Clause to use in contracts: “The Material is shipped CIP (“Carriage and Insurance Paid To”) Bécancour, QC, Incoterms® 2010. Seller shall bear the costs for the packaging, the pre-carriage, the export customs, the loading of the Material on the main carriage, the main transportation and the transport insurance. Buyer shall bear all other costs related to the delivery and transportation including, without limitation, the unloading of the Material from the main carriage, the import customs and the post-carriage. Risks are transferred to the Buyer when the Material is taken over by the first carrier, after the Material is loaded on the main carriage.”

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D DELIVERY

To be confirmed at time of order.

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E MAIN ITEMS TECHNICAL DESCRIPTION

E.1.1 O-5531G-C Feed Hopper with High and Low Level Sensors - SS304

20 cubic feet standard feed hopper designed to distribute product from the infeed system to the weigher feeder with proper pressure. The outlet flange is designed to support the weigher feeder. The hopper is constructed of SS304 with steep valley angles to ensure smooth product flow. High and low level capacitive-sensors (model IFM KIE-3015-FPKG) are included. Premier Tech supplies an interlock relay which is activated when the high level sensor is uncovered. The customer must connect his feeding system onto that interlock relay to start/stop the feeding device located over the hopper at the appropriate moment. Unless otherwise specified, the feed hopper support structure and product feed control device are to be supplied by the customer.

Note: The plain cover on top of the feed hopper is not included.

E.1.2 O-5534G-C Standard Support Structure for Feed Hopper

Heavy-duty mild-steel structure that supports the feed hopper from the ground (feed hopper not included). This structure is independent from the scale external support structure for better weighing accuracy. The structure is specifically designed for the bagger so that all accesses remain available.

E.1.3 55GHS-C High-Speed Gravity Feeder for E55

Gravity weigher feeder consisting of a radial feed gate controlled by a servo-motor. This feeder allows very high speed and an excellent control of the feeding. Combined with highly efficient control unit, the servo-motor enables increased production speed while keeping high accuracy. All manufactured parts in contact with the product are in SS304.

E.1.4 E55-iQ Chronos Richardson Electronic Net Weigher

- Electrical enclosure assemblies are cUL listed

E55 Technical Data:

Weighing range:	5 to 110 lb (2.5 to 50 kg)
Air consumption:	Max. 0.5 scf / weighment at 90 psi (14,2 L / weighment at 6 bar) operating pressure Compressed Air Supply Line: Tube 3/4" NPT stops at 12" to the scale (last 1 foot is flexible hose) Port Connection to Scale: 1/2" NPT
Power consumption:	Max. 1.8 kW

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Dedusting:	500 CFM (14,000 L/min) => 2x3" port (2x 250 CFM) (12" of flexible tube before to connect the Port) (Velocity 4500 FPM)

Important notes:

1. Frequency at the weigher support point with weigher under full load must not be smaller than 12 Hz in any plan.
2. Deflection at the weigher support point with weigher under full load must not be higher than 1/16 inch (1.5 mm) in any plan.
3. The scale support structure must be isolated from any kind of external vibrations in order to protect the scale from any perturbations that could affect the accuracy of the weighing and also the reliability of the system.
4. The E55 series scale must be isolated from any kind of external vibrations in order to protect the scale from any perturbations that could affect the accuracy of the weighing and also the reliability of the system.
5. The E55 series scale frame (or the scale support structure) should always be grounded to the customer's main ground. This is very important to protect the scale from any kind of electrical noise or electrostatic noise that could affect the accuracy of the weighing and the reliability of the system. Make sure that proper grounding is connected to the equipment and verify that the grounding path is correct from the scale to the ground.
6. The stability of the power that supplies the scale is very important in order to keep the accuracy of the weighing and also the reliability of the system. Unstable power could damage the scale and even cause loss of the SpeedAC programs. The installation of a "UPS" (uninterruptible power supply) battery could be necessary if the stability of the power is not appropriate. In that case the "UPS" is installed just before the E55 series scale electrical cabinet.

E.1.5 SE-5507-C Recommended Safety Device - Standard External Support Structure with Mezzanine and Ladder

Heavy-duty mild-steel structure mounted on the ground that supports the scale and the platform (if any). The structure is specifically designed for the FFS-200 so that all accesses to the bagger are available. For better weighing accuracy, it is strongly recommended that no other pieces of equipment are linked to that structure, including the feed hopper structure, cable trays, dust collecting pipes, etc.

This recommended safety device also allows a safe access to elevated part of machine.

The customer shall refer to the Safety Standards and Regulations Compliance and Safety sections.

E.1.6 OE-5513-C Anti-Vibration Set

This option comprises 4 anti-vibration sets to offset plant vibration. NOTE: It does not include flexible connection (skirting or tarp) with clamping plates. The skirting is supplied with the scale.

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E.1.7 OE-5532-C Transition Hopper in SS304 for FFS Bagger

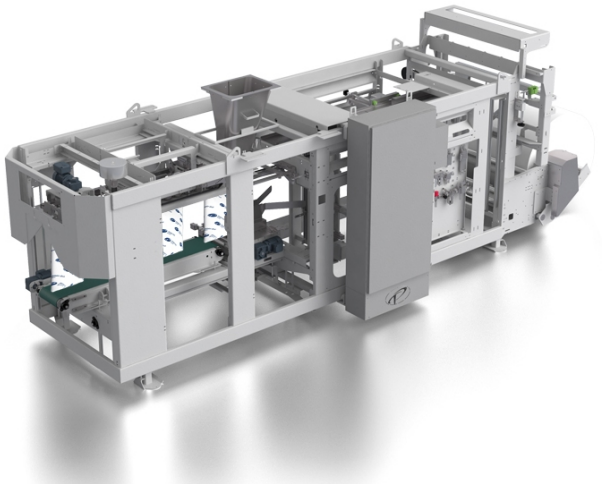
SS304 chute between the scale and the bagger. This option also includes internal surfaces smooth for food application.

E.1.8 OE-5540-C Flexible Flange for FFS Bagger

Flexible rubber flange used to connect the transition hopper to a FFS-type bagger.

E.2 FFS-210 HORIZONTAL FORM, FILL & SEAL

The FFS-210 is an automatic bagging system intended to package free-flowing granular bulk-material such as **wood pellets, rice, cat litter, seeds, animal food, plastic pellets, sugar and other free-flowing granular products.** It is designed to form its own bags from rolls of polyethylene pre-printed center-folded film (U film). The bags are then filled and finally hot air sealed with a triple seal.



Note: Some safety guards may have been removed from this picture.

The FFS-210 combines the three main operations in the same machine. The first operation is to form a bag with the plastic U-film by cutting and sealing the sides. It may also include an optional bottom gusset or an optional bottom handle and seal. The next station consists of a hopper and an opening device used to fill the bag with product. The final operation seals and ejects the filled bag, ready for palletizing or further handling.

The FFS-210 can be integrated with either a weight or volumetric feeder to provide the appropriate amount of material in each bag and optimize the machine production rate.

This system comes with the following features:

- Fully automated, simple and effective design.
- Reduces labor costs and provides a fast investment payback.
- Bag material cost saving with pre-printed center-fold film.
- Reliable, consistent and high-quality production ensured.
- Wide range of bag sizes.
- Compact vertical unwinder support for optimized layout footprint. An horizontal unwinding configuration is also available to offer an oversized film roll capacity for many hours of continuous operation.
- Simple and accessible adjustment for fast and easy bag changeover.

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- Reliable hot air top sealer allowing a resistant triple seal.
- Great accessibility and visibility into the machine.
- Vent holes perforator with varying sizes and numbers available.
- Standard pneumatic top-seal closing mechanism providing overfilled bag detection. When a bag is overfilled, the mechanism's belts move apart and automatically release the bag. This mechanism allows reducing equipment downtime by keeping the appropriate adjustments, thus requiring less maintenance. This top sealer includes a height adjustment for optimum overlap of the top and side seals.
- Interchangeable hopper and opening to optimize filling time (1 stainless steel set provided, additional sets optional).
- Allen-Bradley control system (PLC CompactLogix) installed in a NEMA 12 cabinet, software designed with a self-diagnostic feature and user-friendly interface Allen-Bradley color touch screen PV +600. This controller has the Ethernet communication capabilities for networking and a compact flash program backup capabilities.
- Standard and high quality components used throughout.
- Heavy-duty design for harsh environments.
- TEFC electrical motors.
- Easy integration in many plant layouts with minimal floor space requirement.

- Electrical enclosure assemblies are cUL listed.

FFS-210 TECHNICAL DATA

Electrical requirements:	460 V / 3 Ph / 60 Hz and 220 V / 1 Ph / 60 Hz

Pneumatic requirements:		
Standard FFS:	33 SCFM, 100 psi (930 l/min, 6.7 bar)	
Standard FFS with handle option:	41 SCFM, 100 psi (1,160 l/min, 6.7 bar)	
Minimal dia. of piping:	1" (25 mm)	
Operating temperature:	40°F to 95°F (5°C to 35°C)	
Approx. shipping weight:	8,000 lb (3,650 kg)	
Bag dimensions	Minimum	Maximum
Width:***	10.5" (270 mm)	27" (685 mm)
Length:	14" (355 mm)	44" (1,120 mm)
Film thickness:	2.25 mil (56 µm)	7 mil (175 µm)
Bottom gusset (if used):	3" (75 mm)	6" (150 mm)
Bag material:	Heat sealable linear low density polyethylene (LLDPE U-film).	
Roll core internal dia.:	3" (75 mm)	6" (150 mm)
Maximal film roll dia.:		24" (610 mm)

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Important notes:

- Mandatory and/or recommended safety devices are available for this equipment. The customer shall refer to the Safety Standards and Regulations Compliance and Safety sections.
- Obtained production rate is dependent upon product characteristics, method of feeding, bag size, film thickness, etc.
- Maximum film-roll diameter can reach up to 48” with horizontal unwinding options.
- Film must be validated and approved by Premier Tech.

*** Additional options may be required to reach bag width minimal and maximal dimensions.

E.2.1 SFS-2000 Recommended Safety Device - Complete External Guards to Prevent Access Inside the FFS

E.2.2 OFS-2001 Electrical Transformer

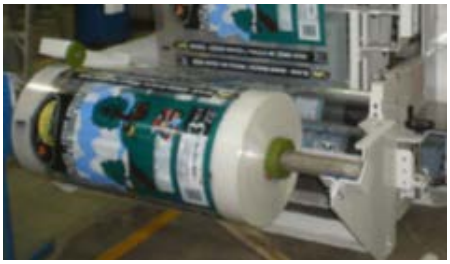
- 575 V / 460 V transformer for 575 Volts applications.
- NEMA 12 (dusty environment)

E.2.3 OFS-2006 Dust Collecting Ports

The collar outlet area of the filling chute is fitted with two (2) dust collection ports. They are intended to be connected to a dust collection system supplied by the Purchaser. A capacity between 800 and 1000 cfm (between 22 645 to 28 316 l/min.) is required.

E.2.4 OFS-2070 Horizontal Fixed Roll Support

High-performance unwinding support offering oversized-film roll capacity (48” max dia.) for many hours of continuous operation.



E.2.5 OFS-2099 FFS Outfeed Belt Conveyor with Adjustment System and Pivot

Outfeed belt conveyor for FFS series:

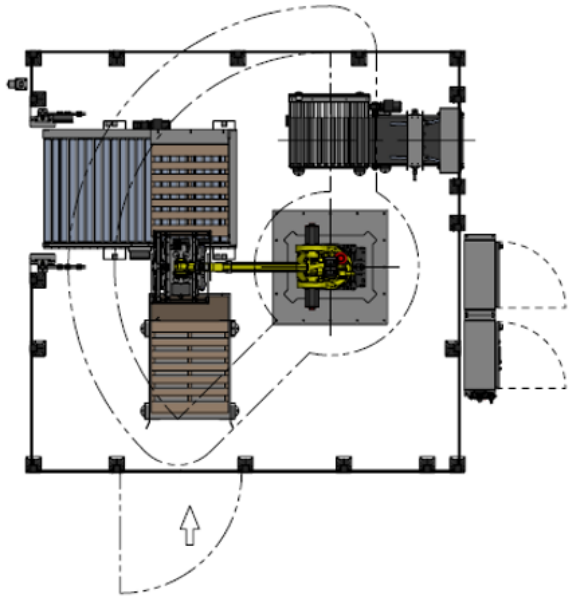
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Conveyor type:	Belt on steel bed
Belt type:	Synthetic belting, smooth PVC conveying side
Overall length:	Min. 8' (2.40 m), max. 20' (6 m)
Belt width:	30" (760 mm) or 42" (1065 mm)
Drive:	1 hp (0.75 kW) - 2 hp (1.5 kW), depending on application
Safety guards, end tilting panel, alignment guide and bag drop softener are included	
Height adjustment with an integrated hydraulic lifting system included	

E.3 CF-5030 SQUARE TUBES CONVEYOR

E.4 RPL-2111-N ROBOTIC PALLETIZER

The RPL-2111-N Robotic Palletizer is a palletizing system designed to handle one infeed unit to one stacking position. This system is engineered to reach the most accurate repeatability and the maximum palletizing rate according to the unit weight and dimensions.



*For reference only. Optional equipment shown.

The system includes:

- Robot sub-base.
- Empty Pallet Handling by Robot Including Empty Pallet Stand.
- Palletizing roller conveyor (3.5'' roller diameter 4.375'' C/C).
- Pallet Positioning Device for Palletizing Conveyor.
- Fanuc (DCS) Dual Check Safety.
- Complete safety fences with one interlocked door.
- Safety light curtain for the exit.
- Electrical panels (Power and control separated) control up to 6 extra motors that are not listed in the equipment list above.
- Premier Tech Palletizing System including a HMI Allen Bradley PV700.
- Allen Bradley PLC.
- Pattern Expert.

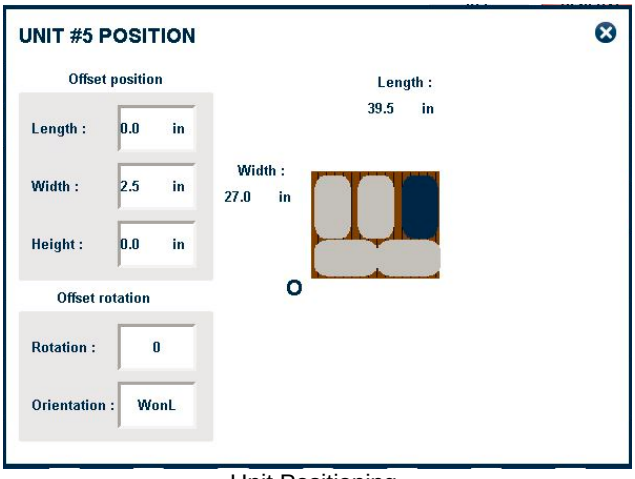
Pattern Expert:

Interface for palletizing pattern, which makes operator's life easier. It also brings the pallet pattern modifications or creations to another level of efficiency.

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Main Benefits:

- User-friendly.
- Everything done though only one point at the HMI.
- Intuitive and visual (patterns tuning and creation).
- All Premier Tech's design for an easy support (locally & remotely).
- Easy to do mixed loads.
- Very fast learning curve.
- Available in English, French and Spanish by pressing a key.



Unit Positioning



Program Edit



Pattern Edit

Important notes:

- Mandatory and/or recommended safety devices are available for this equipment. The customer shall refer to the Safety Standards and Regulations Compliance and Safety sections.
- The robot base is designed to be fixed with chemical anchoring on concrete floor. This is the customer's responsibility to provide the chemical anchoring and to ensure that the concrete floor quality is suitable for the forces and moments generated by the robot (forces and moments data will be provided to the customer by Premier Tech).

Electrical enclosure assemblies are cUL listed.

TECHNICAL DATA

Bags dimensions (filled):	Min. 10.375" x 13" x 1.5" (260 x 330 x 40 mm) – Max. 21.375" x 34" x 7.5" (540 x 860 x 190 mm)
Box dimensions:	

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Bags weight:	Up to 80 lb (36 kg) (Up to 110 lb (50 kg) available)
Box weight:	

Pallet dimensions:	40" x 48" (1016 x 1219 mm) - other pallet sizes available
Empty pallet capacity:	8 pallets
Layer dimensions:	Up to 44" x 52" (1117 x 1320 mm)
Full pallet load:	Height up to 72" (1828 mm) with 40" x 48" (1016 x 1219 mm) layer, weight up to 4400 lb (1995 kg)

Electrical requirements:	575 V / 460 V / 3 Ph / 60 Hz

Operating temperature:	41°F to 104°F (5°C to 40°C)

Pneumatic requirements:	8 scfm @ 90 psi (0.22 m^3/min @ 6 bar)

Bag infeed height:	50" (1270 mm)
Pallet transport height:	20" (508 mm)

E.4.1 RPLO-0101 FANUC Robotics Arm M-410iB/140H

FANUC Robotics M-410iB/140H robot with 140 kg/308 lbs payload, floor mounted, 2.85 m reach with remote R-30iB Plus controller and handling tool software.



M-410iB/140H five-axis mechanical unit 140 kg maximum payload, floor mounted, 2,850 mm reach) with:

- ISO wrist flange.
- Forklift pockets.
- J1 axis range selection (adjustable hard stop).

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- J1 motor fan with internal J1 fan cable.
- Mechanical unit cable with:
  - EE connector at J4 with 8 inputs, HBK, +24 VDC, 0 VDC.
  - AS cable with a connector at the base and at J4 with 24 pins for user signals (24 VDC rated).
  - Servo hand cable with a connector at J4 with J6 pulse and J6 motor.
  - 1 user air line with 1 inlet port at base and 1 outlet port at J4.
- 7 m robot connection cable.

NRTL Approved FANUC SYSTEM R-30iB plus A-cabinet controller with:

- Backplane 2 slots.
- Main board A (I/O Link i slave) with:
  - CPU standard (DRAM 1GB, I/O Link I slave).
  - Memory card (FROM128MB/SRAM2MB).
  - Axis control card 6 axes.
  - 2 ethernet ports (10 baseT/100 baseTX).
  - 1 iRVision GigE camera port.
  - 1 iRVision CXV camera port.
  - 2 mini slots (supports Devicenet, PROFIBUS, EtherCat Slave, CC Link, Aux Axis, ARC Link, FL-net plug-in cards).
  - 1 wide mini slot (supports PC104, Line Tracking or Profinet plug-in card).
  - 1 PCMCIA memory card slot.
  - 1 USB Port 2.0 (accessible from the controller door).
  - 1 RS-232 port.
- Power supply unit (for controller).
- 6-Axis servo amplifier.
- Power transformer type E 10.5KVA (380-415VAC, 440-500VAC, 500-575VAC.
- UL breaker.
- E-STOP unit.
- 2 safety inputs & 2 safety outputs.
- Operator panel (auto-T1 mode switch, FAULT RESET & CYCLE START push buttons, E-STOP button, FAULT and POWER indicator lights).
- *i* Pendant (hi resolution, Haptic, touch panel, USB port 3.0).
- 10M teach pendant cable.
- 1 Spare fuse kit.
- Tool for Wago terminal block (for fence/Ex. emergency stop wiring).
- 1 EE male connector (18-pin Hirose connector for user supplied EE cable).

Product Documentation CD

Includes HandlingTool software (V9.xx), M-410iB/140H mechanical unit, and R-30iB plus controller documentation:

- System software reference, Karel reference.
- HandlingTool software installation, setup and operations.
- Controller maintenance.
- Mechanical unit operator manual.
- Error codes.
- Options documentation (software/hardware).

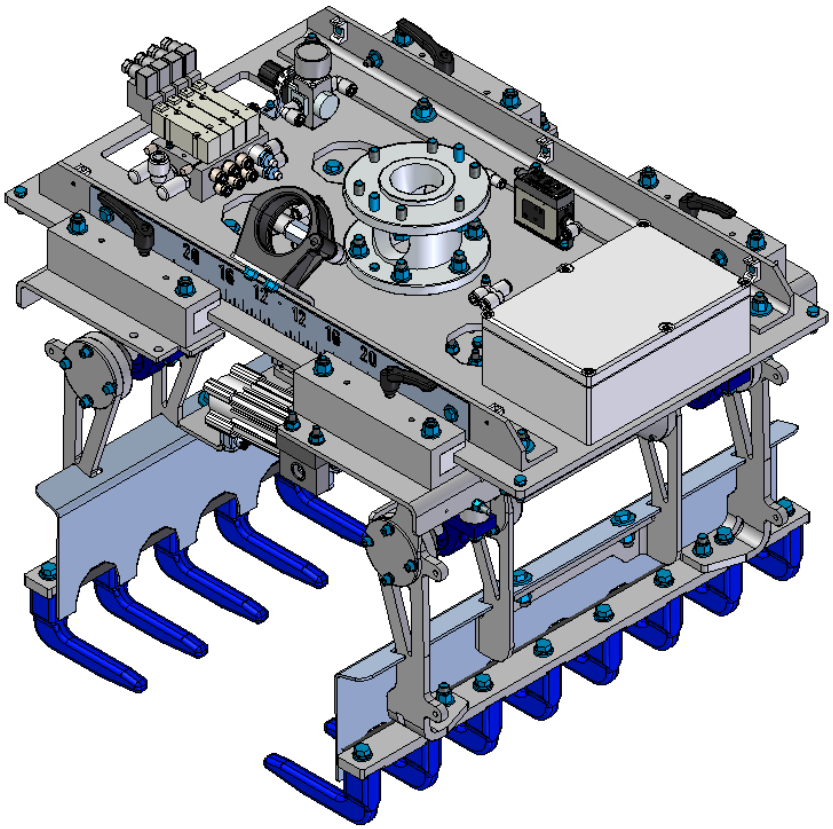
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Important note:

- The robot base is designed to be fixed with chemical anchoring through 8” of concrete floor. This is the customer responsibility to ensure that the concrete floor quality is suitable for the forces and movements generated by the robot (forces and movements data will be provided to the customer by Premier Tech).

E.4.2 RPLO-0201 Finger Gripper

Finger type gripper allowing automatic bag handling from the pick-up point to the pallet. Specially designed to handle a broad range of bag types, with positive support under the bag and quick, symmetrical release at the drop point on the pallet.



TECHNICAL DATA:

Width		Length		Thickness		Weight	Air Consumption	Operating Pressure
Min	Max	Min	Max	Min	Max	Max		

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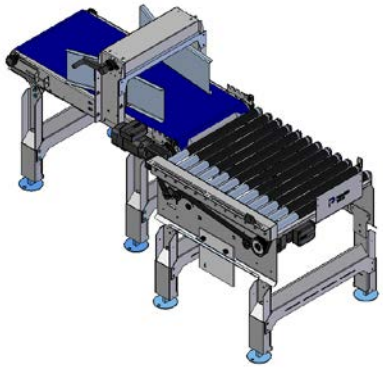
Bag	10.375”	21.375”	13”	34”	1.5”	7.5”	80 lbs	4 SCFM	90 psi

E.4.3 RPLO-0301 – Flexible Unit Infeed

This option allows to equip the RPL-1000-N or RPL-2000-N with the following conveyors for flexible unit.

It includes:

- Pick up conveyor for bags with legs:
  - 24” effective width.
  - 42” long.
  - 3 ½” c/c spaced rollers.
  - Sensor set.
- Belt on steel bed alignment conveyor for bags with legs:
  - 24” belt wide.
  - 48” long.
  - Sensor set.
- Centering guides for bags with crank handle accessible from inside the cell.



E.4.4 RPLO-0601 Slip Sheet Handling by Robot Including Sheet Stand

Allows the robot to place a slip sheet on an empty pallet. Slip sheet is presumed to be of flat cardboard material.

This option equips the gripper with vacuum generator and suction cups to handle the slip sheet. It also includes a table with corners and adjustable guides designed to center the pile of slip sheets properly for precise positioning of the slip sheet on the empty pallet.

The operator needs to enter the robot cell to load the sheets.

Capacity: Up to 12”.

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E.4.5 RPLO-0716 Upgrade for 575 Volts Applications – Transformer 575 V/460 V NEMA 12

This option includes an additional transformer (30 to 40 kVA – 575 V/460/265 V) for 575 volts applications. This transformer is rated NEMA 12 (indoor use with protection against dust) and is designed to accept multiple variable frequency drives.

E.4.6 CP-2101 Chain Driven Live Roller Conveyor

Conveyor to transport and/or accumulate finished pallets.

Set of sensors included.

Conveyor type:	Chain Driven Live Roller

Roller material:	Zinc plated steel
Roller diameter:	3.5" (90 mm)
Roller pitch:	4.375" (110 mm)
Chain:	#50 roller chain

Effective width:	54" (1,372 mm)
Conveying height:	18.5" - 24" (470 mm – 610 mm), depending on application.
Conveyor length:	43.75" - 118.125" (1,111 mm – 3,000 mm)

Power:	0.75 hp (0.55 kW), TEFC, with brake when required.
Conveying speed:	50 ft/min. (0,25 m/sec.)
Capacity:	4,400 lb (2,000 kg)

Safety guards included when outside of fences
Sensors included

Important note:

- Mandatory and/or recommended safety devices are available for this equipment. The customer shall refer to the Safety Standards and Regulations Compliance and Safety sections.

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E.4.7 CP-6002 Gravity Rollers Conveyor

Conveyor to accumulate finished pallets.

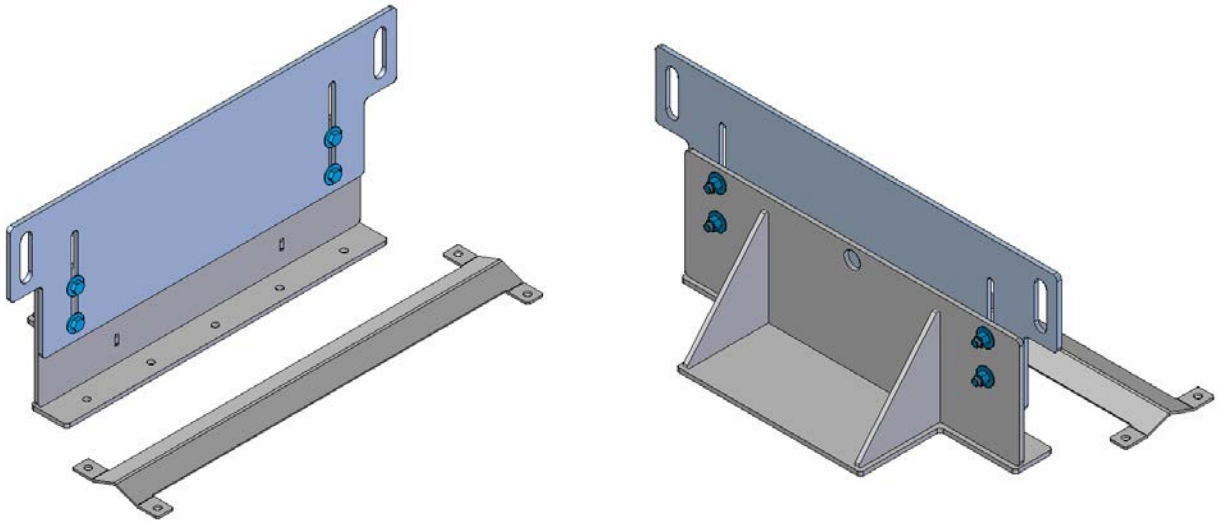
Conveyor type:	Free 2.5" dia. (65 mm) roller design
Roller material:	Zinc plated
Roller pitch:	3" (75 mm)
Nominal width:	52" BFR (1,320 mm)
Overall length:	5' (1.5 m) or 10' (3 m)
Conveying level:	18" - 22" (460 - 560 mm), depending on application
Load capacity:	4,400 lb. (2,000 kg)
Safety guards included	
Sensors included	

Important note:

- Mandatory and/or recommended safety devices are available for this equipment. The customer shall refer to the Safety Standards and Regulations Compliance and Safety sections.

E.4.8 OCP-0007 Fork Lift Guarding

This device can be installed in front of an equipment to avoid collision between a fork lift truck and the equipment. It is made with ½" thick steel plate and the height is adjustable from 18" to 23 ½".



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E.5 SMH-200 HIGH-PROFILE TURNTABLE STRETCH WRAPPER

The system includes :

- 5,000 lbs load weight capacity
- 51” x 51” turntable
- 80” Wrap height
- Wulftec’s exclusive 20” NO-THREAD® Powered Pre-Stretch Carriage w/200% pre-stretch ratio with Maintenance Free spring loaded carriage gate (30” optional)
- Allen Bradley Powerflex 523 AC frequency Drives and Baldor Motors
- Basic control panel including Allen Bradley MicroLogix 1000 PLC

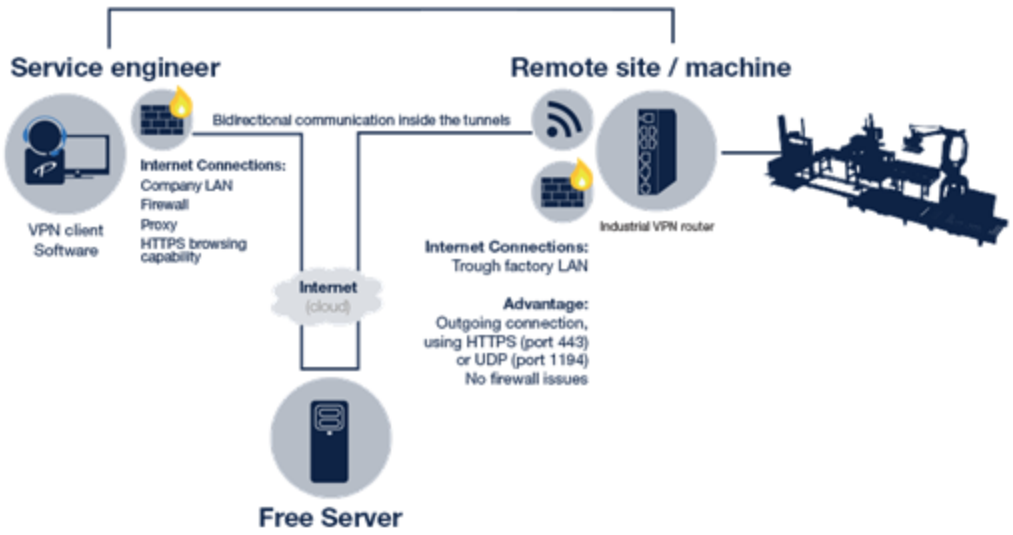


E.6 COM-1010 REMOTE SUPPORT THROUGH VPN CONNECTION

Suitable for equipment with Ethernet-compatible PLC, this option enables our support teams to remotely access the equipment on customer’s request and provide off-site support services such as equipment status monitoring, diagnostics and program changes avoiding in many cases costly and time consuming travel to field locations, therefore reducing downtime impact on production.

Generally, a stand-alone industrial VPN router is supplied. It only requires an access to the Internet with the same type of settings as a PC connected to the same network (IP address, subnet mask and default gateway). The VPN connection is managed independently through cloud-based servers, so there is usually no need for configuration change to the customer network making the deployment of a secure connection fast and easy. Because the SSL tunnels are initiated by the router itself, no ports need to be enabled in the customer firewall for incoming connections. Only standard ports (HTTPS 443 and/or UDP 1194) are used by the router for outbound connection to the VPN servers, keeping the customer network integrity secure.

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Alternatively, a traditional remote access VPN (client-server type) implemented and managed by the customer IT group is also possible. The choice of the VPN client software is left at the customer discretion. The ports that need to be enabled in the customer firewall for this type of connectivity are TCP port 44818 / UDP port 2222 for Allen-Bradley EtherNet/IP protocol and HTTP port 80 / FTP port 21 for Fanuc Robotics.

In both cases, an Ethernet cable is required from the customer to connect either the router or an Ethernet switch located in one of the electrical cabinets supplied by Premier Tech.

E.6.1 OCM-1010 Ethernet Network between Equipment

When at least two main equipment (bagger, palletizer, stretch hooder, etc.) are supplied by Premier Tech, the network option allows a single point of access to all equipment with Ethernet-compatible PLC instead of having individual Ethernet connections to every equipment.

Industrial Ethernet switches local to the equipment, Ethernet cat 5E cable (w/ aluminum armor) between machines and connectors are included.

Note: Premier Tech is responsible for communication between the equipment it supplies and shall not be expected to integrate the customer or other suppliers' equipment to the network.

E.7 CAM-1001 - IP POE AMCREST CAMERA + POE SWITCH

Installed on the equipment, this option will allow continuous monitoring of the equipment and each sequence will be recorded in a video format directly on the camera

This camera is connected to a POE switch in electrical control cabinet, no power is needed on the camera.

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POE Switch is included with this option.

The camera can record for about a week continuously. Recordings can be accessed if the equipment has VPN access or the eWON option

This camera model is not for a classified environment

E.7.1 OCAM-1001A - IP POE Amcrest Camera

Installed on the equipment, this option will allow continuous monitoring of the equipment and each sequence will be recorded in a video format directly on the camera

This camera is connected to a POE switch in electrical control cabinet, no power is needed on the camera.

The camera can record for about a week continuously. Recordings can be accessed if the equipment has VPN access or the eWON option

This camera model is not for a classified environment

E.8 ENG-1010 ENGINEERING, CONTROL INTEGRATION AND SOFTWARE

Included in this proposal are the engineering, control integration and software required to integrate all quoted equipment in order to create a stand-alone system. This work includes conceptual work, mechanical and electrical drawings, mechanical and hardware engineering as well as control software and programming. Also provided are a set of general arrangement drawings, installation schematics and one (1) set of English Operating and Maintenance manual (in electronic version) for all standard quoted equipment.

The stand-alone system will perform as one coordinated unit with hardware and software to make basic upstream and downstream handshake functions. Unless otherwise specified, the stand-alone system always begins and ends with standard Premier Tech equipment complete with at least one (1) dry contact interlock.

Technical Clarifications

Upon receipt of signed sales agreement, Premier Tech will double check customer plant dimensions, preliminary layout and technical data relative to the project and may elect to send technical personnel on site to do so. Any remaining question or need for clarification or approval to ensure proper execution of the project will be forwarded to the customer shortly after. Answers and approval from customer will be required promptly so the exact scope of supply and all necessary data are fully clarified within a period not exceeding 10 % of the project duration. Delay or changes requiring additional options or new configuration which are not according to the sales agreement, may result in additional charges to the Purchaser and possible revision in the delivery.

Engineering during Installation

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During supervision of installation, additional engineering, control integration and software may be necessary to complete the project. Realization of all technical advantages and equipment performances are dependent on actual product characteristics and behavior, customer site, customer feeding methods and condition of customer equipment. All necessary modifications to standard Premier Tech equipment and/or additional mechanisms required, due to the reasons mentioned above, are the customer's responsibility and may result in additional charges. A systems engineer will ensure that all additional engineering is accomplished professionally and efficiently.

E.9 ENG-1015 PROJECT MANAGEMENT AND LAYOUT

E.10 FSU-1010 FACTORY START-UP

All Premier Tech series equipment is completely assembled by sub-system and tested with bags prior to shipment. All other pieces of equipment are fully assembled, powered, aligned and tested. For transportation, equipment is partially disassembled in a way to allow quick erection and commissioning on site. The Purchaser shall provide and ship, upon request, product and empty and/or filled bags in sufficient quantity to perform tests. If desired, the Purchaser may attend these tests and have a first look at his equipment before actual installation.

E.11 CRA-1010 CRATING AND LOADING

Work and material to properly load and secure all the different pieces of equipment in containers for overseas travel. This is an allocation for the estimated number of containers (12 m) indicated, that may vary with the final configuration of the system. To be confirmed at time of order.

E.12 FRE-1010 ALLOCATION FOR FREIGHT

The price indicated is an estimate at the time of issuing this proposal. This estimate may vary following many parameters, such as the number of trailers or containers required according to the exact final system configuration, the exact costs at the date of shipping, etc.

Once the project is shipped, Premier Tech reserves the right to revise the price if needed to cover all actual costs, administration fees and brokerage fees, if applicable, that are directly related to the freight, if paid by Premier Tech. Customs duties and taxes, if applicable, are not included.

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E.13 ALLOCATION FOR SUPERVISION OF INSTALLATION, COMMISSIONING AND TRAINING [190 HOURS ON SITE]

Premier Tech offers to provide technician(s) to perform the supervision of installation, commissioning and training for quoted equipment. The price indicated is an allocation at the time of issuing this proposal. Once the commissioning and training is completed, price is revised to reflect actual time and expenses.

This service includes:

- Technician(s) time (on-site and travel).
- Travel and living expenses (flight, rental car, hotel, meals).
- Entire work completed during one (1) visit.
- Supervision of installation work.
- Commissioning of a maximum of 3 bag/product sizes and/or 3 palletizing patterns.
- Training of up to 4 operators/maintenance personnel to provide clients with training on the essential notions required to maintain and operate the equipment safely.
  - Training on equipment is given using the Operating and Maintenance manual(s).
  - Training session lasts approximately 120 minutes per group, per equipment.
  - Topics covered during training sessions are as follow:
    - Modules overview.
    - Equipment safety.
    - HMI navigation.
    - Alarms and jam management.
    - Cleaning best practices & maintenance tips.
    - Q&A.

This service does not include:

- Unloading and storage of equipment in an appropriate place until installation.
- Installation personnel (riggers, millwrights, pipe fitters, electricians, etc.) estimated at 3 to 4 persons.
- Lifting equipment, welding equipment (if necessary), scaffolding, ladders, power tools and all other tools required for the installation.
- Additional on-site visit (for reasons beyond Premier Tech's control).
- Equipment anchors.
- Labor and material required to install anchors.
- Labor and material required for electrical connections (power and signals) between the quoted items.
- Motor local disconnects/soft starts.
- Labor and material to connect the appropriate power (electrical power from MCC) to electrical panels and compressed air of appropriate quality to pneumatic inlets (locations to be provided by Premier Tech).
- Hydraulic oil (some equipment only - specifications to be provided by Premier Tech).
- Any on-site sustained performance testing, equipment inspection or approvals potentially required by local, regional or national regulatory bodies.
- Additional costs for delays occurred relatively to the Purchaser’s site preparation, availability or involvement of qualified Purchaser's personnel, availability of installation tools, of plastic film, of bags or of product, power connections to the equipment, access hours to the site,

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Purchaser's scheduling of third party equipment, or to other similar issues outside of Premier Tech's control.

- All special requests regarding insurance certificates, training, or additional forms required by the customer must be signified when order is placed. Additional charges may apply, and an agreement must be made between the two parties for the order to be accepted.

Important notes:

- Price/estimates may vary if changes are brought to the system configuration.
- Due to safety concerns, it is our policy that no Premier Tech technician or employee will work in any facility alone. For that reason, another person must be in the immediate vicinity while work is being performed on the equipment.
- Service in excess of those included above, for example tuning of additional bag sizes or palletizing patterns or additional training, shall be determined as per the schedule presented in appendix.
- Supervision of installation, commissioning and training must be started within 60 days of on-site equipment arrival to guarantee the hourly rates in Appendix. If for any reasons, the customer delays, the rates may be subject to change.

F OPTIONAL ITEMS TECHNICAL DESCRIPTION

F.1.1 O-5541B-C Access Doors into Feed Hopper for 1 Weigher (1 Access Door)

This option includes one access door into the feed hopper (for 1 weigher). It is located at the most convenient place. It is supplied with hinge, if needed. It is supplied with interlock, if required.

F.1.2 O-5542B-D Cover on Top of the Feed Hopper (Plain Cover) (for 1 or 2 Weighers) – SS304

This option consists of a stainless steel 304 plain cover on top of the feed hopper. The cover comes plain (no holes) and the customer (or integrator) has to cut the product entrance according to the feeding system. The cover comes with a neoprene seal. The cover may come with an inspection trap and a deaeration port, if required by the application.

F.1.3 OE-5514-C Calibration Validation

The calibration validation (or calibration check) allows verifying the calibration of the scale very easily. That verification is made with two weights (not W&M approved) that are raised and lowered by two air cylinders, one on each side of the weigh pan. The action of resting the weights on the weigh pan is made "manually" using a hard-wired switch located above the scale control screen (or into the HMI

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screen for the PLC scale). The scale must be stopped to perform this action. Please note that this option does not calibrate the scale automatically.

F.1.4 OFS-2004 Exit Conveyor Powered Up and Down

Power unit allowing height adjustment motorization of the outfeed conveyor. This system is controlled through the operator interface. This option will reduce downtimes related to bag size changeovers.

F.1.5 OFS-2010 Gusset Former

Device that allows the formation of a 3" to 6" (7 to 15cm) deployed bottom gusset in the bag. It consists of a flat wheel that pushes the folded side of the U-film between two parallel arms to the desired depth. In addition, this option comes with a variable frequency drive allowing the constant unrolling of the film and a brake system for the regulation of the film's tension.

MUST be sold with the option OFS-2069 or OFS-2070.

F.1.6 OFS-2017 Remote Control

One hand-held light control unit provided with 35 feet of wire allowing basic operation from anywhere near the bagger. This unit is especially useful while troubleshooting or in plants where one operator is responsible for more than one bagger or line.

F.1.7 OFS-2022 Vertical Settling Device

Automatic settling device integrated into the indexing conveyor, which supports the bag bottom during filling. Situated between the rolls of the conveyor, the settling device uses vertical, high-amplitude, low frequency harmonic movements to achieve efficient settling of products such as mulch, soil mixes, or other materials where voids may be reduced.

F.1.8 OFS-2026 Electric Panel Heaters

Two electric panel heaters designed to protect sensitive electrical and electronic components, inside electrical panel, from harmful effects of condensation, corrosion, and low temperature. Thermostatically controlled fan-driven heater unit maintains a stable temperature within the enclosure so that critical components can perform more reliably over a longer period of time. Designed for bagger operating temperature as low as 40°F (5°C)

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F.1.9 OFS-2027 Electric Panel Air Conditioning

Designed to protect sensitive electrical and electronic components, inside electrical panel, from the harmful effects of high temperature. An air conditioning system maintains a stable temperature within the enclosure so that critical components can perform more reliably over a longer period of time. Designed for equipment operated under higher than normal temperature (over 95ºF or 35ºC)

F.1.10 OFS-2069 Horizontal Film-Roll Support with Lifting System

This option includes a complete pneumatic lifting device and an automatic locking system. By the activation of a simple manual valve, the device will lift the film roll directly from the floor or a pallet. This system can lift and operate with film rolls up to 48" diameter without being affected by the film winding orientation and its tension.



F.1.11 SCF-1001 Additional Emergency Stop Pull Cords on Both Sides of Conveyors or one Central Pull Cord Above the Conveyors

Premier Tech recommends these additional emergency stop pull cords especially if the customer does not purchase the recommended additional safety device SCF-1002.

This device allows activating the emergency stop system by simply pulling on one of the accessible steel wire ropes located at both sides of the conveyors or above the conveyors.

This system includes:

- Up to 75 ft steel wire ropes on both sides of conveyors or above the conveyors.
- Latching pull switch(es).
- Supporting eyebolts and welded posts if required.

The customer shall refer to the Safety Standards and Regulations Compliance and Safety sections.

F.1.12 SCF-1002 Recommended Safety Device – Safety Fences on Both Sides of Conveyors with One Interlocked Access Door (4'7" – 1400 mm)

This recommended additional safety device prevents the access to the pallet conveyors when they are in operation.

This system includes:

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- 4'7" (1400 mm) high safety fence standard sections
- 1 interlocked access door

The customer shall refer to the Safety Standards and Regulations Compliance and Safety sections.

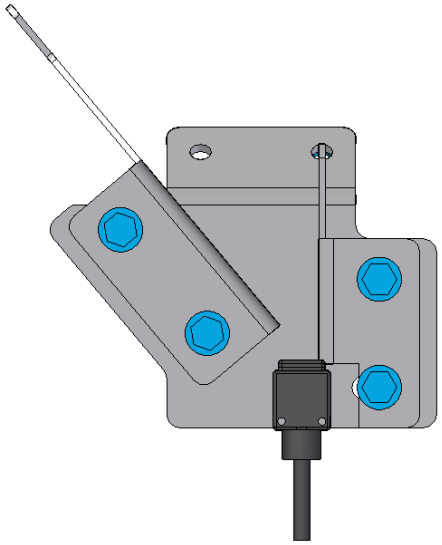
F.1.13 OCF-5008 Leak Detector for Bag Flattener (automatic reject) – Major Leak

Located under an inclined belt conveyor transition, this option consists of a steel funnel concentrating the leaking product in a narrow area and forcing it to cut a photocell beam. It will detect leaking product but will not detect an open bag.

This system will automatically reject bags through the reject device

Operation range: Products over 1 mm (1/32") (Rice, Soils, Mulch, Granular products).

****Never install a leak detector between two horizontal conveyors. Consult Engineering team if needed. ****



F.1.14 RPLO-0220 Automatic Bag Width Adjustment for Finger Gripper – Servomotor System

This device allows an automatic adjustment of the finger gripper according to the bag size, for easy changeover and fine-tuning. This mechanism uses a servomotor to adjust the gripper. The adjustment is linked to the recipe and adjust automatically when changing the recipe on the HMI.

Does not affect the production rates.

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F.1.15 RPLO-0701 Electrical Panel Heaters

Designed to protect sensitive electrical and electronic components from harmful effects of condensation, corrosion, and low temperature. Thermostatically controlled fan-driven heater unit maintains a stable temperature within the enclosure so that critical components can perform more reliably over a longer period of time. Designed for equipment operating temperature between 14°F and 40°F (-10°C and 5°C).

Includes heaters for power and control panel.

F.1.16 RPLO-0702 Electrical Panel Air Conditioning

Designed to protect sensitive electrical and electronic components from the harmful effects of high temperature.

Power panel: An air conditioning system maintains a stable temperature within the enclosure so that critical components can perform more reliably over a longer period of time. Designed for equipment operated at higher than normal temperature (over 95ºF or 35ºC).

Control panel: Ventilation fan system maintains a stable temperature within the enclosure so that critical components can perform more reliably over a longer period of time. Designed for equipment operated at higher than normal temperature (over 95ºF or 35ºC). Air conditioning if required.

F.1.17 RPLO-0703 Tower Light

Installed on top of the control panel, the three (3) colors tower light turn on or flash to indicate the equipment status (general, blocking, stopping, safety and warning fault, equipment running as well).

F.1.18 SCF-1002 Recommended Safety Device – Safety Fences on Both Sides of Conveyors with One Interlocked Access Door (4'7" – 1400 mm)

This recommended additional safety device prevents the access to the pallet conveyors when they are in operation.

This system includes:
- 4'7" (1400 mm) high safety fence standard sections
- 1 interlocked access door

The customer shall refer to the Safety Standards and Regulations Compliance and Safety sections.

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F.1.19 SCF-1001 Additional Emergency Stop Pull Cords on Both Sides of Conveyors or one Central Pull Cord Above the Conveyors

Premier Tech recommends these additional emergency stop pull cords especially if the customer does not purchase the recommended additional safety device SCF-1002.

This device allows activating the emergency stop system by simply pulling on one of the accessible steel wire ropes located at both sides of the conveyors or above the conveyors.

This system includes:
- Up to 75 ft steel wire ropes on both sides of conveyors or above the conveyors.
- Latching pull switch(es).
- Supporting eyebolts and welded posts if required.

The customer shall refer to the Safety Standards and Regulations Compliance and Safety sections.

F.2 ZSP-2000 Basic Spare Parts Kit

Basic spare parts kit recommended ensuring availability in case of parts' wear. This kit includes pneumatic, electrical and mechanical parts, which are subject to routine wear and tear. These parts can be installed by the Purchaser's personnel and do not require attendance by the manufacturer. We recommend this kit as a minimum set of parts the Purchaser should have on hand at his facility. Please note that this kit is intended to assist the Purchaser with routine maintenance and is not intended to anticipate all unscheduled repairs.

F.3 ZYO-2000 - Year One Program – CAD (3 Visits of 2 Days)

The YEAR ONE Support Program was designed to help address and resolve the most common issues experienced during the first year of operation of a new installation. The program consists of three visits set at critical milestone-months during this one-year time-period, each with a set task list including field service, training and parts solutions.

This program comes with the following benefits:

Peace of mind
The YEAR ONE program was specifically designed to provide new PT equipment owners and those transitioning from manual processes to automation with assistance and guidance throughout the first year of operation of the new equipment – and to consequently remove all the guess work, fear and stress from the process.

Performance
The program focuses on providing you with help and training during the transition period so that you can focus on maximizing performance from the moment your equipment is installed. We ensure your equipment reaches and maintains maximum productivity, and that your staff has the necessary training to operate it and perform the required maintenance.

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Cost-efficiency
The program not only ensures that best practices and maximum productivity are attained early on during the transition period, but also helps you avoid simple mistakes and common issues, which can lead to costly breakdowns and subsequent production down time.

This program includes the following:
- Labour and basic level training during scheduled service visits of predetermined duration
- Travel and living expenses

Program visit schedule:

1st visit – One-month post installation
Your equipment is up and running, and your team members are becoming familiar with its operation and components. It is likely that your operators and maintenance personnel will experience a dip or plateau in their learning curve as they begin to know and work with the equipment. This will in turn result in a fluctuation in your production rates. The equipment will also need regular upkeep and begin to require preventive maintenance.

Visit task list
- Equipment training and education about best practices
- Equipment tuning and optimization
- Maintenance follow-up and training
- Spare parts inventory review and recommendations
- Technical support contact information review

2nd visit – Six months post installation
Your equipment has now been running for a little while longer, and operations are running more smoothly. Your staff members have accustomed themselves with the new automated processes and are ready to further their skills and knowledge of the equipment. You may also experience staff turnover and have to hire new operators. You are also likely to notice that some parts are beginning to wear and need replacing, and that operational issues arise.

Visit task list
- New operator and/or additional operator training
- Complete equipment inspection and tuning
- Review of maintenance work done to date and preventive maintenance schedule
- Spare parts inventory review and recommendations
- Collection of operator feedback on operational issues, followed by development and education on resolution methods
- Identify and address any warranty-related issues

3rd visit – Eleven months post installation
Your equipment has now been running for nearly a year, and operations are becoming routine. Your staff members have accustomed themselves to the automated processes and have expanded their skills and knowledge of the equipment. You may still experience staff turnover and have to hire new operators. You may also notice some persisting operational issues that should be addressed prior to the end of your warranty period.

Visit task list

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- New operator and/or additional operator training
- Development and implementation of solutions for persisting issues
- Complete equipment service and inspection with operational status report prior to warranty ending
- Preventive maintenance schedule follow-up and review, with additional training as needed
- Spare parts inventory review and recommendations
- Review LIFECYCLE Support Program options moving forward after warranty period ends

G SAFETY STANDARDS AND REGULATIONS COMPLIANCE

When all safety devices offered by Premier tech have been purchased by the customer, the equipment designed and manufactured by Premier Tech complies with the requirements of all the following standards and regulations that directly apply to packaging machines:

- Occupational Health and Safety Regulations – Canadian Provinces
- C22.2-14-10 – Industrial Control Equipment
- C22.1-18 – Canadian Electrical Code, Part I (24th edition), Safety Standard for Electrical Installations
- CSA Z432-16 – Safeguarding of Machinery
- CSA Z434-14 Part 2 – Industrial Robots and Robot Systems – General Safety Requirements – Robot Systems and Integration
- ISO 12100 :2010 – Safety of Machinery – General Principles for Design – Risk Assessment and Risk Reduction
- ISO 10218-2 :2011 – Robots and Robotic Devices – Safety Requirements for Industrial Robots – Part 2: Robot Systems and Integration
- ISO 13849 :2015 – Safety of machinery – Safety-related parts of control systems
- ISO 13857 :2008 – Safety of Machinery – Safety Distances to Prevent Hazard Zones Being Reached by Upper and Lower Limbs
- 2006/42/EC Machinery Directive (design requirements applicable to North America)
- OSHA 29 CFR Part 1910 Occupational Safety & Health Standards
- ANSI/PMMI B155.1-2016 – American National Standard – Safety Requirements for Packaging and Processing Machinery
- ANSI/RIA R15.06-2012 Part 2 – American National Standard for Industrial Robots and Robot Systems – Safety Requirements – Industrial Robot Systems and Integration

H ITEMS NOT INCLUDED IN THIS PRELIMINARY PROPOSAL

H.1 INSTALLATION

This proposal does not include any form of:

H.1.1 Equipment installation

- Unloading and storage of equipment in an appropriate place until installation.

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- Installation personnel (riggers, millwrights, pipe fitters, electricians, etc.) estimated at 3 to 4 persons.
- Lifting equipment, welding equipment (if necessary), scaffolding, ladders, power tools and all other tools required for the installation.
- Equipment anchors.
- Labor and material required to install anchors.
- Labor and material required for electrical connections (power and signals) between the quoted items. This mean; all the cables/trays between main electrical enclosure of each equipment and motors/junction boxes of bag/pallet conveyors, pallet dispenser, third party equipment or other similar quoted items are NOT INCLUDED.
- Motor local disconnects / Soft starts.
- Equipment anchors.
- Labor and material required to install anchors.
- Labor and material to connect the appropriate power (electrical power from MCC) to electrical panels and compressed air of appropriate quality to pneumatic inlets (locations to be provided by Premier Tech).

H.1.2 Certificate of insurance

- All special requests regarding insurance certificates, training, or additional forms required by the customer must be signified when order is placed. Additional charges may apply and an agreement must be made between the two parties for the order to be accepted.

H.2 SITE MODIFICATION

This proposal does not include any engineering, design, software or hardware to interface the Premier Tech system to existing or customer supplied computer system or network, to modify existing building, or to modify or move existing conveyors, equipment, etc. Premier Tech would be pleased to quote on specific and limited aspects when the scope of this project is detailed and fixed.

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I APPENDIX

I.1 SAFETY

The customer shall at all times comply with all safety instructions associated to the equipment. Only qualified personnel with a thorough knowledge of Premier Tech' equipment and its Operating and Maintenance Manual are authorized to handle, install, operate, adjust, troubleshoot and maintain the equipment. For this reason, the customer has the responsibility to ensure that its personnel is properly trained, all Operating and Maintenance Manuals are handed over or made available to its personnel, and its personnel has read, understood and comply with all instructions, especially regarding safety.

Mandatory and recommended safety devices are mainly aimed at impeding access to dangerous zones or automatically stopping equipment in case persons are detected inside dangerous zones and proper safety precautions have not been taken. These safety devices are therefore specially designed to better limit certain equipment misuses by the addition of safeguarding devices. If the customer refuses a safety device, the customer is responsible to implement alternative risk reduction measures that may be required. The customer is responsible to perform a risk assessment associated to the equipment to ensure that reasonably foreseeable hazards are identified and corresponding risks are reduced to an acceptable level. No guarantee of compliance with other standards is expressed or implied except the ones indicated in this quotation. It is the responsibility of the end user to verify compliance with specific national, state, local and other appropriate regulations before starting the equipment. All safety devices and certifications must be purchased to make the equipment eligible for safety standards and regulations compliance when risk reduction shall be performed through safeguarding devices. Any design certification, including Pre-Start health and Safety Review (PSR), remain the responsibility of the customer. As defined by ISO 13849, the Safety-Related Embedded Software (SRESW) includes any software and program related to the safety system and are not accessible for modification by the customer. If the quotation includes modifications applicable to only a portion of the customer's equipment, update of the full equipment to current applicable safety standards is not included and remains under the customer's responsibility.

Particular procedures can be followed by Premier Tech's trained employees during the installation or a special task on a machine manufactured by Premier Tech. Considering that only Premier Tech's trained employees have the required competences to complete the task safely, it is strictly forbidden to imitate or repeat any task done by Premier Tech's trained employees unless this specific task fulfills all Premier Tech's safety instructions. Major injuries or death may occur.

Canadian Electrical Code (C22.1) is applicable to the equipment. Based on the hazardous locations section, the customer has the responsibility to identify any explosion hazards related to its products and to classify the locations applicable to the equipment installation. The customer is also responsible for the equipment approval and for its installation, including the possibility to power up and use the equipment, even without official certification for hazardous (classified) locations. If ever the NFPA 70 National Electrical Code was applicable, the customer would assume the role of the authority having jurisdiction. In case of presence of explosion hazards or hazardous locations, the customer has the obligation to provide to Premier Tech all technical information required by the applicable electrical code prior an order. The customer remains responsible to control explosion hazards and ignition sources related to its process, equipment and facility.

Premier Tech shall not be held liable by the customer and its affiliated companies, their directors, officers, employees, and agents, for the prosecution of any claim, demand, action, or cause of action for damages, costs, loss of service, expenses or compensation for any and all known and unknown, foreseen and unforeseen bodily and personal injuries suffered by an employee or a third party, damage to property, and the consequences thereof, resulting from the violation of Premier Tech' safety instructions or from the customer's decision not to purchase safety devices or equipment certification. Moreover, to the fullest extent permitted by law, the customer agrees to indemnify and hold harmless Premier Tech, its affiliated companies and business units, their directors, officers, employees and agents from and against any claim, suit or action which could arise in reason of the violation of Premier Tech' safety instructions or of the customer's decision not to purchase safety devices or equipment certification.

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I.2 INSTALLATION AND COMMISSIONING RATES

REGULAR RATES (CAD)

Weekdays and Saturday:	$150/h
Sunday and holidays:	$245/h
Over 10 hours per day:	Above rate x 1.5

TRAVELLING RATES (CAD)

Weekdays and Saturday:	$120/h
Sunday and holidays:	$165/h

TRAVEL EXPENSES (CAD)

Meals:	$65/day
Lodging:	$135/day
Car rental (including fuel)	$95/day
Plane tickets and other travel expenses*:	Cost + 10%

* Example of other travel expenses: Taxi, train, parking fees, tolls, etc.

Certificate of insurance
All special requests regarding insurance certificates, training, or additional forms required by the customer must be signified when order is placed. Additional charges may apply and an agreement must be made between the two parties for the order to be accepted.

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I.3 TERMS AND CONDITIONS

Article 1 Entire agreement
Only this Sales contract and/or Premier Tech's acceptation of the Client's purchase order shall materialize the Agreement between the parties in relation with the purchase of equipment, machinery, labor costs, parts or other items (hereinafter called "Material") by the Client from Premier Tech. The terms and conditions herein shall hold precedence over any inconsistent document or agreement and shall bind the parties, unless otherwise agreed upon by writing and duly signed by them. Moreover, and subject to their consistency with the terms and conditions herein, the quotation and any other document preceding to the Agreement shall bind the parties and complete the Agreement provided that the parties have accepted and agreed said documents and their content.

Article 2 Payment terms and conditions
The payment price of the Material shall be executed in accordance with the expiry dates appearing on the Contract's front page or Premier Tech's acceptation of the Client's purchase order. Upon expiration of such dates, any amount due or unpaid shall bear interest at twenty-four percent (24%) per annum or two percent (2%) per month. Should the Client fail to execute payment within the fifteen (15) days following the payment date, the Client shall be deemed to be in default and therefore, Premier Tech shall be entitled to claim any amount due, including any amounts to fall due. Premier Tech shall also, at its sole discretion, suspend the execution of any work, duties or obligation related to the Material.

Article 3 Transport and delivery
Premier Tech shall deliver the Material at the contemplated date agreed by the parties. Nevertheless, Premier Tech will not be responsible for any delay in delivery if such delay is attributable to an event out of the control of Premier Tech, force majeure or imputable to the Client. Force majeure shall be construed as any cause beyond the control of the Parties hereto and that said Parties could neither foresee nor protect themselves against, and shall unreservedly include any fortuitous event, partial or total work stoppage, lock out, strike, fire, riot, intervention by civil or service authorities, acquiescence in any by-laws, rules and regulations or in any orders and ordinances issued by government authorities and in any acts of war, declared or not. In such event, and unless otherwise specified, delivery will be postponed accordingly and shall not affect the enforceability nor the terms of the Contract. Shipments shall be F.O.B. Rivière-du-Loup (according to Foreign Trade Definition of 1941), unless otherwise specified, and the Client shall assume all taxes and custom fees payable, transportation, insurance and packaging charges. The Client is responsible for the risks of losses and/or damages during transportation as of the time any expeditor or carrier may take possession of the Material.

Article 4 Retention of title and confidentiality
Until full payment of the purchase price and transfer in favor of the Client of its property title, Material shall remain Premier Tech's property, and the Client undertakes not to sell, transform or alter the Material or allow that any lien or security be created on the Material without the written consent of Premier Tech. The Client shall keep confidential and not disclose to any third party without Premier Tech's written consent, any information provided by Premier Tech as a result of this contract, including but not limited to: contractual documents, quotation, drawings, data, technical, strategic or commercial information.

Article 5 Warranty
Premier Tech warrants that the Material is constructed and assembled in accordance with Premier Tech's recognized standards, methods, as well as Client's specifications as more fully described in the quotation and this contract. Premier Tech warrants that the Material shall be free from defects for a period of one (1) year commencing at the advent of the earliest of: two (2) months following the date of shipping by Premier Tech of the Material or the date of Material's start up. During this period, Premier Tech shall provide, free of charge, a replacement part for any defective part, provided that the Client returns the defective part to Premier Tech. **Premier Tech does not warrant: a) items consumed by the Material (grease, silicon, Teflon, etc.). b) items or parts subject to normal wearing. c) defects due to abuse, improper installation, faulty use or abnormal conditions of temperature, humidity, storage, dirt, corrosion, etc.**

If, during the warranty period, a Client's employee or a third party other than Premier Tech's authorized representative modifies, repairs or transforms the Material, without Premier Tech's written consent, the warranty shall cease to apply upon knowledge by Premier Tech of such prohibited handling on the Material, and therefore Premier Tech shall be authorized not to accept any warranty claim that would otherwise have been covered in virtue of the warranty. In such case, the Client shall assume all costs for the Material repairs. At the end of the warranty period, Premier Tech shall provide after-sales services at the Client's request and in accordance with Premier Tech's current and standard fees and rates. **No additional warranty, express or implied, hence excluding any direct or indirect consequential damages (not limited to but including loss of profit and Client's liability to its customers or to third parties, etc.) concerning the design, sale or use of the Material and/or services provided by Premier Tech is hereby granted. Premier Tech's liability under its warranty obligation shall in no case exceed the cost of the Material.**

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Article 6 Client's responsibility
It is the Client's responsibility to use and operate the Material in a secure and safe manner and in accordance with the safety rules, advices and recommendations contained in the operation and maintenance manual attached with the Material; the Client acknowledges that it has received such advices and recommendations, notably, at the time the Material was put into service. The Client further acknowledges that in accordance with quality and safety standards and regulations that may govern Premier Tech, it has been advised of the potential risks with respect to the operation and use of the Material and provided by Premier Tech with useful information in order to minimize and prevent injuries and accidents. Therefore, the Client agrees to indemnify and hold Premier Tech harmless from and against all claims, actions, demands and damages arising out of the faulty or non-conforming use of the Material by any person to whom the Client may have permitted the access and use of such "Material". Each party undertakes to maintain reasonably sufficient insurance policies to cover for any potential claim, action, demand or damage arising out of any obligation that it may have towards the other party. The Client however acknowledges that Premier Tech's insurance policies shall not designate the Client as an additional insured and shall not include any waiver of subrogation in favor of the Client, expressly or tacitly, by endorsement or otherwise.

Article 7 Reproduction
The Client acknowledges that Premier Tech has invested extensive time and money in the development of the machinery and equipment provided under this Agreement. The Client undertakes to make no drawing of the machinery and equipment or any part thereof and not to allow third parties to do so, and shall neither reproduce, reverse engineer or otherwise duplicate, or engage any other person or entity to reproduce, reverse engineer or duplicate the machinery and equipment nor be accessory, either active or passive, to any such effort to reproduce, reverse engineer or duplicate. Accordingly, the Client acknowledges that in the event of a breach of said obligations, it will be subjected to injunctive relieves and action for damages seeking appropriate remedies to such violations.

Article 8 Cancellation and defaults
If the Client is in default under the contract for any reason whatsoever and if such default is not remedied within ten (10) days following the receipt of a notice to this extent, Premier Tech may at its sole discretion, cancel the contract or refuse to honor its correlative obligations. Consequently, Premier Tech will be entitled to and shall be compensated by the Client with a minimum of thirty percent (30%) up to a maximum of a hundred percent (100%) of the purchase price, according to the level or percentage of completion of the Material at the time of cancellation. Premier Tech shall keep any amounts paid by the Client at the time of such default and shall reimburse the Client, interests and charges free, any sum which Premier Tech is not entitled to under this section.

Article 9 Enforcement of the agreement during pandemic period
The parties are contracting in an uncertain and fast-changing environment with the current Covid-19 pandemic. The client acknowledges that under these conditions, Premier Tech is operating in an unpredictable external environment and that despite best efforts, the integral performance of its obligations may be affected. Accordingly, the client acknowledges that it will not enforce any provisions that would otherwise expose Premier Tech to penalties, risk of termination, cancellation or any other type of sanction as a consequence of any default or delay incurred, as long as the events related to the Covid-19 pandemic have significant effects on the ability of Premier Tech to manufacture the products or perform the services contemplated by this agreement. Premier Tech undertakes to inform the client promptly upon the occurrence of any new event related to the current circumstances that is likely to impact the then agreed dates/milestones of delivery of any products or the performance of any services so that the parties can reschedule such deadlines in good faith.

Article 10 Governing law
This contract shall in all respects be treated and construed in conformity with the laws of the Province of Québec, Canada. The parties hereby agree that all actions, claims or demands shall be brought in the judicial district of Kamouraska, Province of Québec, Canada, where they hereby elect domicile.

Client's initials: _____ Date: _____

Publication date: 2020-05-11

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