



EQUIPMENT PROPOSAL

DATE	July 13, 2018
PROPOSAL NUMBER	SM-180409E-CG

SYSTEM INFORMATION



Automatic Filling System

PREPARED FOR

Canopy Growth
1 Hershey Drive
Smith Falls, ON K7A 0A8

PREPARED BY

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SCOPE OF PROJECT

This information defines the project and what the equipment will be built and tested for. Please confirm that this information meets your expectations for the performance of the machinery to be provided by Inline Filling Systems. Changes to this information after an order is placed will have an effect on your cost, delivery schedule and potentially, performance of the equipment.

PRODUCTS: CANABIS OIL

CONTAINERS: 45 ML

CAPS: PLUG

LABELS: WRAP

ESTIMATED RATE OF PRODUCTION: 50 - 60 BPM

CURRENT LEADTIME (After receipt of order, approved layout, evaluation samples and deposit): 12 WEEKS

NOTES:

*Samples of all products and packaging components are required to confirm machine specifications.

**Cleaning solutions and product temperatures must be specified to confirm design and fluid path compatibility.

***Any critical product, container, cap or label specifications must be provided and noted prior to order placement.

QTY	DESCRIPTION	PRICE
1	36 IN DIAMETER VALUELINE S/S UNSCRAMBLER TURNTABLE	
	<p>Unscrambling turntable feeds bottles single file onto a conveyor for packaging operations after being placed upright on the table by the operator.</p>	
	<p>Standard features:</p>	
	<ul style="list-style-type: none"> -All Stainless Steel Tubular open frame construction. -Standard speed setting is 0 to 7 rpm or 82.5 feet/min. -Variable speed, sealed, fused/surge protected DC motor w/ 550 inch/lbs torque. -Turntable glides on rubber, self lubricating bearings for quiet operation. -Turntable height is 35 inches adjustable to 40 inches. -Foot pads are fully articulating and vibration resistant. -Unique floating bearing removes downward thrust on drive armature to ensure long life. 	
	<p>Utilities:</p>	
	<p>Electric: 110 VAC 6 Amps</p>	
	<p>Dimensions: 24" x 24"W base footprint adjustable to 40"H (custom heights available)</p>	
1	INLINE VOLUMATIC 8 HEAD ROTARY VALVE PISTON FILLER	
	<p>Automatic volumetric filler provides accurate, consistent fills for a wide range of viscous and chunky products. Piston and cylinder units are individually calibrated for high accuracy. Filler is capable of sanitary hot-filling and chemical applications. Note: Piston and cylinder materials vary according to application.</p>	
	<p>Standard features:</p>	
	<ul style="list-style-type: none"> -Constructed of stainless steel and stainless shrouded aluminum components where required for complete washdown capability, -Open frame construction with casters and leveling pads, -Overhead s/s hopper or alternate supply method listed separately, -Tri-clamp fittings throughout for ease of cleaning and disassembly without hand tools! -Pneumatically powered Bottom-up fill, -Automatic nozzle drip tray, -Automatic bottle indexing gates, -No tools required nozzle and gating mounts, -Batch bottle counter, -Bottle height adjustment via precision hand wheel, -Control panel uses a color touchscreen with up to 50 product profiles available for instant recall. 	
	<p>Intelligent Container Control features:</p>	
	<ul style="list-style-type: none"> -No Product/No Fill (suspend operation) -No Bottle/No Fill (suspend operation) -Nozzle Misalignment/No Fill (suspend operation) -Downstream Back-up/No Fill (suspend operation) 	
	<p>Options:</p>	
	<p>Agitated and/or heated hopper, Sanitary construction,</p>	
	<p>Dimensions:</p>	
	<p>Utility requirements:</p>	

QTY	DESCRIPTION	PRICE
1	PISTON FILLER ALLEN BRADLEY CONTROL SYSTEM Filler control system hardware includes all pneumatic, electrical, and operator interface components. System features: -All enclosures including the touch-screen control panel are NEMA 4X (wash down) construction. -All electronic systems are Industrial class surge protected. -All electrical and electronic wiring uses Quicklink harness systems for ease of maintenance.	<u>INCLUDED</u>
1	8 PORT SANITARY STAINLESS STEEL SUPPLY HOPPER Frame mounted product supply hopper for piston filler automatically supplies and maintains in-feed head pressure. Tank working capacity is 55 gallons to top of float switch. Features: -Manufactured of passivated 316L stainless steel with #3/4 finish. -2" infeed ports and 1 1/2" outfeed ports are Tri-clamp equipped for ease of cleaning. -Integrated float switch automatically signals bulk product source for re-supply. -Self draining U-shaped tank bottom with 1 1/2" manual discharge valve for ease of cleaning. -Hopper lid uses two 3" Tri-clamp equipped ports for interior inspection and installation of re-supply float switch.	<u>INCLUDED</u>
8	2 OZ./65ML CYLINDER AND PISTON SET	<u>INCLUDED</u>
8	SANITARY HOT FILL 1 IN HOSEING WITH TRICLAMPS High temperature (200 degrees F) silicone product hosing meets most sanitary applications and includes all needed connection hardware. Features: -Hose ends use 316L stainless steel ferrules with tri-clamp fittings at product hopper, pump, and nozzle infeed port for quick, tool-less tubing connections. -Hosing is autoclaveable for cleaning.	<u>INCLUDED</u>
8	INTERNAL POSITIVE SHUT OFF NOZZLES 3/8 IN SWAGED TIPS Product filling nozzle for servo positive displacement fillers and piston fillers. Features: -Nozzle is manufactured of 316L stainless steel and built to FDA 3A sanitary specifications. -Nozzle uses pneumatically operated, positive shutoff o-ring sealed tip. -Nozzles product inlet port uses a tri-clamp fluid connection for ease of cleaning and quick disconnection by hand. Note: Pricing includes standard nozzle tips only. Special tips require different pricing.	<u>INCLUDED</u>

QTY	DESCRIPTION	PRICE
1	<p>52 IN LONG NECKGRABBER</p> <p>System is connected to and operates with the filler's drip tray system to ensure proper fill alignment of irregularly shaped or narrow necked containers. System includes individual neck gripper assemblies for each container.</p> <p>Features:</p> <ul style="list-style-type: none"> -304 tubular stainless steel mounting bar with all drip tray connection hardware, -Neck gripper assemblies include non scuffing HDPE plastic gripper fingers. 	<u>INCLUDED</u>
1	<p>DC VARISPEED 4.5 IN WIDE DELRIN CHAIN CONVEYOR</p> <p>10' long variable speed conveyor with 4 ½" wide chain is designed for indexing containers (stop and go operation) or continuous run operations. Can be used as a stand alone unit or as a drive section for additional unpowered conveyor.</p> <p>Features:</p> <ul style="list-style-type: none"> Chain is powered by a washdown capable 1/2 hp 90vdc drive/gear box combination, Variable speed controller and emergency stop mounted in sealed, NEMA 4X enclosure, Heavy duty 12 gauge 8" high 304 stainless steel frame, Close tolerance UHMW wear strips, 3/8 thick (50% thicker than industry norm), Sealed, lubrication-free, composite driver bearings, Stainless steel legs with self-articulating feet, Complete with all supporting rails and transition pieces. <p>Dimensions: 120" L x 5" W x 38" H (+/- 2")</p> <p>Utility requirements: Electric: 110 VAC / 6 Amps</p>	
1	<p>CONVEYOR SIDE TRANSFER PLATES</p>	
1	<p>TEDELTA TA - 103 AUTOMATIC ROTARY PLUGGER</p> <p>TEDELTA TA -103 AUTOMATIC 3 HEAD ROTARY PLUGGER. PICK AND PLACE PLUG ON CONTAINER AND SNAP INTO POSITION. CAP FEEDING AND SORTING SYSTEM. ALLEN BRADLEY CONTROL SYSTEM. 4000 - 4500 BPM. 220 V. 3-PH.</p>	

QTY	DESCRIPTION	PRICE
1	<p>5' LONG DC VARISPEED 4 1/2 IN WIDE DELRIN CHAIN CONVEYOR</p> <p>5' long variable speed conveyor with 4 1/2" wide chain is designed for indexing containers (stop and go operation) or continuous run operations. Can be used as a stand alone unit or as a drive section for additional unpowered conveyor.</p> <p>Features: Chain is powered by a washdown capable 1/2 hp 90vdc drive/gear box combination, Variable speed controller and emergency stop mounted in sealed, NEMA 4X enclosure, Heavy duty 12 gauge 8" high 304 stainless steel frame, Close tolerance UHMW wear strips, 3/8 thick (50% thicker than industry norm), Sealed, lubrication-free, composite driver bearings, Stainless steel legs with self-articulating feet, Complete with all supporting rails and transition pieces.</p> <p>Dimensions: 60" L x 5" W x 38" H (+/- 2")</p> <p>Utility requirements: Electric: 110 VAC / 6 Amps</p>	
1	<p>UNDRIVEN 4 1/2 IN WIDE 5' LONG DELRIN CHAIN CONVEYOR</p>	
1	<p>CONVEYOR SIDE TRANSFER PLATES</p>	
1	<p>UNIVERSAL R322 HIGH SPEED AUTOMATIC WRAP LABELER</p> <p>Automatic unit labels round containers.</p> <p>Features: -SL2000 stepper drive label applicator (3000" per minute max. dispense speed) -Heavy duty system framework, -6" wide x 8' long Delrin chain conveyor, -product metering wheel, -photoelectric product sensor, -High speed wrapping station (for labels up to 10" long) -NEMA 12 control enclosure.</p> <p>Label roll specification: Die cut labels with 1/8" spacing on a 16" outer diameter roll (max) with a 3" inner core.</p> <p>Dimensions: 97" L x 52" W x 56" H</p> <p>Utility requirements: Electric: 110 VAC 20 Amps</p>	

QTY	DESCRIPTION	PRICE
1	<p>36 IN DIAMETER VALUELINE S/S ACCUMULATION TURNTABLE</p> <p>Accumulation turntable collects bottles from the end of a packaging line to allow for operator removal and placement into cases.</p> <p>Standard features:</p> <ul style="list-style-type: none"> -All Stainless Steel Tubular open frame construction. -Standard speed setting is 0 to 7 rpm or 82.5 feet/min. -Variable speed, sealed, fused/surge protected DC motor w/ 550 inch/lbs torque. -Turntable glides on rubber, self lubricating bearings for quiet operation. -Turntable height is 35 inches adjustable to 40 inches. -Foot pads are fully articulating and vibration resistant. -Unique floating bearing removes downward thrust on drive armature to ensure long life. <p>Utilities: Electric: 110 VAC 6 Amps</p> <p>Dimensions: 24" x 24"W base footprint adjustable to 40"H (custom heights available)</p>	
3	FULLY ENCLOSED CRATING	
TOTAL COST :		