

# Budgetary Equipment Proposal

Monoblock Model: Synergy Patriot FPCL

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Presented to:



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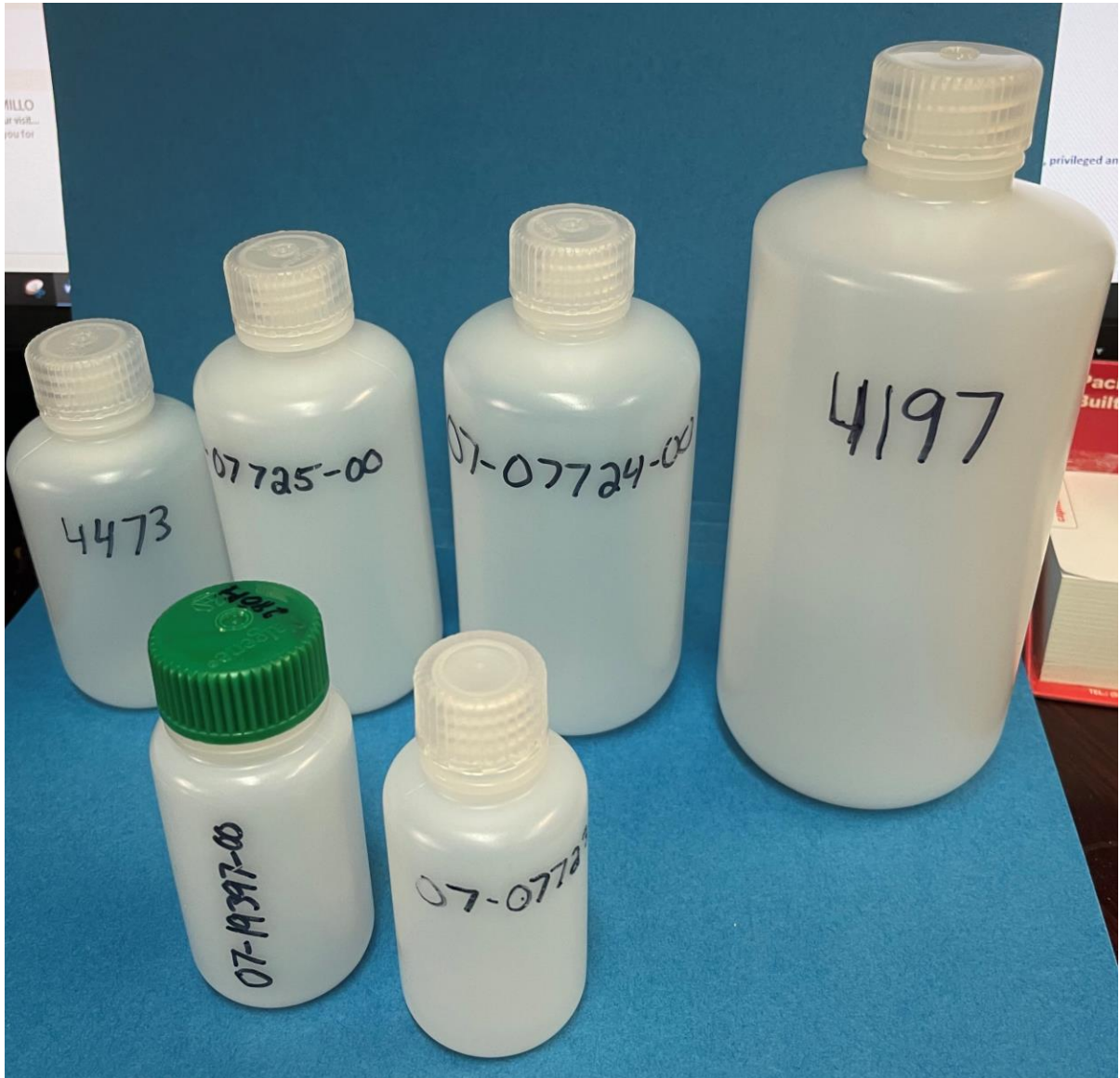
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**Project Technical Specifications**

**Components Reference Pictures &/or Drawings**







## Components Detail Chart

Ref #	Product to be Filled	Viscosity	Product Temperature	Special Particularity
1	N/A	Liquid	N/A	N/A

Ref #	Bottle Size (mm)	Bottle Capacity	Bottle Material	Neck Opening (mm)	Projected Speed
1	Ø 0.984" X h 1.679" Ø 25 X h 42.6mm Natural	10 ml	HDPE	Ø 9.07mm	Up to 45 BPM
2	Ø 38 X h 81 Natural and Amber	60 ml	HDPE	Ø 13.8	Up to 40 BPM
2a	Ø 39 X h 83 Natural	60 ml	HDPE	Ø 21	Up to 40 BPM
3	Ø 51 X h 99 Amber and Natural	125 ml	HDPE	Ø 17.7	Up to 35 BPM
4	Ø 53 X h 122 Natural	175 ml	HDPE	Ø 17.7	Up to 30 BPM
5	Ø 61 X h 130 Natural	250 ml	HDPE	Ø 17.7	Up to 25 BPM
6	Ø 74 X h 168 Amber and Natural	500 ml	HDPE	Ø 21.2	Up to 15 BPM

Ref #	Plug Size (mm)	Cap Size (mm)	Cap Finish & Color	Closure Type	Removable Torque in/lb.
1	Ø 0.424" X h 0.651"	Ø 0.680" X h 0.656" Ø 17 X h 16 mm	N/A	Screw On	3 - 6
2		Ø 24 X H 14.5	20-415 Blue, Green, Amber, Clear, and Natural	Screw On	7 to 12
2a		Ø 32 X H 16	28-415 Natural	Screw On	4 to 7
3/4/5		Ø 28 X H 15	24-415 Red, Amber, Clear, and Natural	Screw On	11 to 20
6		Ø 31.8 X H 16.4	28-415 Green, Amber, and Natural	Screw On	13 to 22



Ref #	Label Size (mm)	Label Position
1	L 4.25" X W 1.5" L 3" X W 1.25" L 3" X W 1.125" L 1.125" X W 0.75"	Wrap Around
2	L 4.25" X W 1.5" L 3" X W 1.25" L 3" X W 1.125"	Wrap Around
3	L 3" X W 1.125"	Wrap Around
4	L 4.25" X W 1.5" L 3" X W 1.125" L 4" X W 2	Wrap Around
5	L 4.25" X W 1.5" L 3" X W 1.125" L 5.125 X W 4" L 0.7 X W 1.125 L 4" X W 2	Wrap Around





## Equipment General Specification

Line Direction	Conveyor Height / Width (mm)	Power	Compress Air Requirement	21 CFR, Part 11	Noise Level
From Left to Right	H 915 ± 38 H 36" ± 1.5" Width 114 (4.5")	220 Volts, 3 Phases, 60 Hz + Neutral	(90 PSI) 6.9 Bar	Yes	≤ 85db

This offer is made in accord with the Drawing # S-7876 R-1 and following our Team Meeting on October 18<sup>th</sup> 2023

**P.S.** The final number of change part will be confirmed once all samples are received and analyzed by our engineering department, the selected number of change part in this offer is based on received information.

**WARNING:**

- Production speed mention in this offer is based on received information and calculated to give a projected output speed of the proposed equipment
- More accurate speeds can be given upon testing with actual component and product samples. Speeds may also vary depending on the quality of the components and the treatment time.

This quotation may be subject to modification and/or changes upon:

- Further examination of Products, fill level, bottles, caps, and labels samples or relevant drawings and tolerances of project components
- Further examination of the actual conditions for the integration of Capmatic equipment with the existing upstream and downstream installations at customer's premises (i.e.: wedge conveyor)



## Equipment Configuration and Price

Qty.	Description	Unit Cost	Selected Item
1	<b>Automatic Bottle Unscrambler Model: SortStar</b> <u>Includes:</u> <ul style="list-style-type: none"> <li>Integrated container hopper (680 Liter) with elevator feeder</li> <li>Low level hopper sensor</li> <li>Automatic fallen/Inverted bottle detection system with recirculation of the rejected bottles</li> <li>Machine controlled with B &amp; R Industrial P.L.C.</li> <li>Multi-color touch screen interface</li> <li>Status beacon light</li> <li>Safety guarding with interlocking Lexan doors</li> </ul>		149,950
1	<b>Automatic Adjustment System</b> <ul style="list-style-type: none"> <li>Designed to automatically adjust mechanical settings according to pre-set recipes from the HMI</li> </ul> <b>Note: The lifting arm may still need to be manually adjusted depending on the bottle shape and height</b>		28,500
1	<b>Audible Alarm Mounted on a Status Beacon Light</b>		0,425
2	<b>Each Additional "E-Stop"</b>	1,270	2,540
1	<b>Top Lexan Cover Plate</b> Covering the machine safety guard provided with the machine		1,645
1	<b>Monoblock Model: Synergy Patriot FPCL</b> <u>Including:</u> <ul style="list-style-type: none"> <li>1220 mm (4ft) section of straight-line conveyor</li> <li>One 90° Curve</li> <li>1828 mm (6ft) section of infeed motorized conveyor</li> <li>Servo driven Inline motion indexing (single index)</li> <li>Filling station with four (X 4) Capmatic SteelHeart Peristaltic dosage pumps to fill liquid product</li> <li>Accepting tube size form 0.5 mm ID to 4.7 mm ID hoses</li> <li>With capacity to fill up to 2 liter per minute</li> <li>One automatic plug feeding device</li> <li>One automatic plugging station</li> <li>One automatic cap feeding device</li> <li>One automatic screw capping station</li> <li>One final tightening station with servo drive motor with feedback sensor</li> <li>One pressure sensitive labeling station for round bottle</li> <li>One reject station</li> <li>2134 mm (7ft) section of outfeed motorized conveyor</li> <li>380mm (15") touch screen controls upgrade</li> <li>Windows based Industrial P.C. upgrade</li> <li>Complete data report generation with audit trail</li> <li>System meeting 21 CFR, Part 11</li> <li>Twin axis swivel panel control</li> <li>Three (X 3) colors status beacon light</li> <li>Euroguarding system with interlock tempered glass doors</li> <li>One set of bottle change parts</li> <li>One set of plug change parts</li> <li>One set of cap change parts</li> </ul>		570,890
5	<b>Each Set of Change Parts for Each Different Size Bottle</b>	9,905	49,525
3	<b>Each Set of Change Parts for Each Different Size Cap</b>	20,500	61,500
	<b>Each Set of Change Parts for Each Different Size Plug</b>	19,705	





Qty.	Description	Unit Cost	Selected Item
2	<b>Each Change Parts Storage Cart</b> <ul style="list-style-type: none"> <li>Stainless steel 316 structure</li> <li>Castor wheel with brake</li> </ul>	9,250	18,500
	<b>Each SteelHeart Cover for Different Tubes Size</b> <ul style="list-style-type: none"> <li>Size Tube from 6mm I.D. to 8mm I.D.</li> <li>SteelHeart capacity of up to 4 liters/m depending on the set up and tube size</li> </ul>	8,125	
	<b>Each Dosing/Transfer Molded Silicone Tubing Kit</b> Tubing size (I.D. ø 1.6, 3.2, 6 or 8 mm)	0,295	
	<b>Each Standard Nozzle</b>	0,760	
1	<b>Single Tare-in / Tare-out Check Weighing System.</b> <ul style="list-style-type: none"> <li>Two Load cell</li> <li>Re-enforce base</li> <li>Static elimination system</li> <li>Top Lexan cover</li> </ul>		115,010
1	<b>Each Acoustic Silencer Cover (Single Bowl)</b>		10,200
2	<b>Each Automatic Pedestal Feeder 4 ft³ (110L) SS 316</b>	11,345	22,690
1	<b>Servo Drive Feedback Sensor and Mechanical Upgrade</b> Designed to send back torque information from each cap to the data report generation option		15,370
1	<b>Feedback Sensor Calibration Kit</b>		14,840
	<b>QC-ATS – 34</b> Application Torque System Tool <ul style="list-style-type: none"> <li>Unit size Ø 34 X h 90 mm</li> <li>Qualitorq software + curve</li> <li>USB- RS 232 C cable</li> </ul>	15,850	
	<b>Each Additional Format (Copy of Bottle)</b>	2,500	
	<b>Each Additional Format (Copy of Neck)</b>	1,250	
	<b>Each Eagle Eyes Plus Sensor</b> <ul style="list-style-type: none"> <li>In exchange of normal photo stop sensor</li> <li>Detects paper, low-contrast transparent plastic labels and metallic labels</li> </ul>	1,610	
1	<b>Low Label Sensor Detection</b>	2,015	
1	<b>“L” Shape Arm for Vision /Coding System Installation</b>	2,120	
1	<b>Markem-Image Thermal Transfer Overprinter Model SmartDate X65-128</b>		23,410
1	<b>Cognex Vision System for Cap Inspection</b> <ul style="list-style-type: none"> <li>One (X 1) camera to inspect the placement of the cap (skewed cap)</li> <li>System fully integrated the machine HMI</li> </ul>		19,685
1	<b>Extra Camera for Label Presence and Position onto the Bottle</b>		14,200
1	<b>Extra Camera for Web Inspection</b> <ul style="list-style-type: none"> <li>OCV/OCR and Barcode Verification</li> </ul>		14,200
1	<b>Automatic Sampling Station</b>		9,935
1	<b>Audible Alarm Mounted on a Status Beacon Light</b>		0,425



Qty.	Description	Unit Cost	Selected Item
2	<b>Each Additional "E-Stop"</b>	1,270	2,540
1	<b>Hand held Barcode Reader</b> <ul style="list-style-type: none"> <li>To load up information into the HMI program</li> <li>With frame support</li> </ul>		0,210
1	<b>Top Lexan Cover Plate</b> Covering the machine safety guard provided with the machine		2,430
1	<b>Pilz R.F.I.D. Magnetic Safety Switch on All Doors</b>		7,350
	<b>Each Additional Non-Motorized 304 mm (12") Conveyor</b>	0,735	
1	<b>Ø 990 mm (39") Outfeed Turntable</b>		9,430
1	<b>Remote Technical Services</b> <ul style="list-style-type: none"> <li>Remote Technical Service starter pack (Secomea)</li> <li>+ 25 hours remote technical assistance</li> </ul>		6,250
1	<b>One (X 1) Year or 2000 Working Hours' Spare Parts</b> (For the selected items only) <ul style="list-style-type: none"> <li>P.S. a detail list will be available following equipment FAT acceptance</li> </ul>		18,450
1	<b>One (X 1) Year (12 months) Warranty Period</b> For all parts, except for pieces with normal wear or that receive any excessive manipulation or were used out of specification (shipment and labor extra) <ul style="list-style-type: none"> <li><u>Mechanical parts</u>: A period of one (X 1) year, 30 days following equipment leaving Capmatic premises, or up to a maximum of 2,000 hours of operations. whichever occurs first</li> <li><u>Electronic parts</u>: A period of six (X 6) months, 30 days following equipment leaving Capmatic premises, or up to a maximum of 1,000 hours of operations</li> </ul>		Included
1	<b>Manual Instruction Supply with all Selected Equipment (English)</b> Complete electronic file (USB, Hyperlink or CD) of: <ul style="list-style-type: none"> <li>Service manual with mechanical, electric, pneumatic, and electronic drawings</li> <li>General maintenance schedule and description</li> <li>Capmatic ordering part numbers</li> <li>One operator manual with troubleshooting, step by step change over procedure and set up sheet</li> </ul>		Included
	<b>Each Hard Copy of Manual Instruction for all Selected Equipment (English)</b> <ul style="list-style-type: none"> <li>Service manual with mechanical, electric, pneumatic, and electronic drawings</li> <li>General maintenance schedule and description</li> <li>Capmatic ordering part numbers</li> <li>One operator manual with troubleshooting, step by step change over procedure and set up sheet</li> </ul>	0,750	
1	<b>DQ, Design Qualification</b> (For the selected items only) <ul style="list-style-type: none"> <li>Design Qualification protocol documentation</li> </ul>		8,500
1	<b>FS, DS Functional / Design Specification</b> (For the selected items only) <ul style="list-style-type: none"> <li>Functional Design Specification</li> <li>Design Specification</li> </ul>		10,890
1	<b>HDS, SDS, Hardware/Software Design Specification</b> (For the selected items only) <ul style="list-style-type: none"> <li>Hardware Design Specification</li> <li>Software Design Specification</li> </ul>		8,400
1	<b>FAT / SAT Protocol Package</b> (For the selected items only) <ul style="list-style-type: none"> <li>Factory Acceptance Test protocol documentation and support</li> </ul>		7,800



Qty.	Description	Unit Cost	Selected Item
	<ul style="list-style-type: none"> <li>Site Acceptance Test protocol documentation</li> <li>Support will be supply during Start-up and commissioning selected period</li> </ul>		
1	<b>Risk Assessment</b> (For the selected Items only)		3,780
TBD	<b>Each Additional Format FAT Test Run</b> (For the selected Items only) All equipment orders come with One (X 1) complete format FAT test run, all extra FAT test runs will be charged extra, each extra run includes: <ul style="list-style-type: none"> <li>Equipment set up and test run for Factory Acceptance Test, meeting Pre-established protocol with support for a complete format</li> </ul>	1,850	
1	<b>Pre-Delivery Inspection (PDI)</b> (For the selected Items only) <ul style="list-style-type: none"> <li>General Quality Control of the equipment</li> <li>Production test</li> <li>Cleaning of the equipment</li> <li>Preparation for shipping</li> </ul>		Included
TBD	<b>Professional ECO Friendly &amp; Secured Materials Disposal</b> We at Capmatic take your business to heart as well as the environment. In order to protect your product on the market, Capmatic offers & assures proper ecological destruction of material. This provides proper removal & safe guards your product on the market from counterfeiting losses. <ul style="list-style-type: none"> <li><b>Estimation only</b> a more precise price will be presented after FAT and analysis of the type and quantity of product to recycle</li> </ul> <b>Should you choose not to selected this option, all materials will be shipped back to you at cost</b>	2,800	
1	<b>Crate &amp; Packing</b> (For the selected Items only) <ul style="list-style-type: none"> <li><b>Estimation only</b> a more precise price will be presented at the time of shipment</li> <li>Does not include shipping</li> </ul>		8,800
1	<b>Start Up and Commissioning at Site Plant</b> (For the selected Items only) By One qualified Capmatic technician, for a period of Five (X 5) working days based on an 8-hour shift, overtime excluded <ul style="list-style-type: none"> <li><b>Excludes:</b> hotel and food, car expenses and traveling time</li> </ul> Note: Any extra day required to finalize the start-up, commissioning, training validation support, etc. will be charged at current list price showing in this offer		10,500
TBD	<b>Each Additional Working Days of Technical Support,</b> By One qualified Capmatic technician, for a period of an 8-hour shift (overtime and layover time excluded) <ul style="list-style-type: none"> <li>Installation and setup supervision</li> <li>Start-up &amp; commissioning</li> <li>Training</li> <li>Validation support, etc.</li> <li><b>Excludes:</b> Air fare, hotel, food, and local transport</li> </ul>	1,200	
	<b>Preventive Maintenance Program</b> <b>To optimize the efficiency and to reduce the downtime of the Capmatic equipment</b> <ul style="list-style-type: none"> <li>By one qualified Capmatic technician, for a period of Two (X 2) working days based on an 8-hour shift. Overtime is charged at a double rate.</li> <li><b>Includes:</b> Air fare, hotel, food, and local transport</li> </ul> <b>Note:</b> Any extra day specially requested by the client will be charged at standard cost	6,000	
<b>Total Price for Selected Items (USD)</b>			<b>\$1,248,770.00</b>

**TBD:** To Be Determined



## Machine Technical Specifications

### Automatic Bottle Unscrambler Model: SortStar

For arranging and conveying plastic containers at a speed of up to 300 BPM (depending on the bottle size and shape).

- Bottle diameter from: (1") 25mm to (5") 125 mm
- Bottle height from: (2") 50mm to (8") 210 mm
- Bottle neck opening (minimum) Ø (1/2 ") 12 mm

#### Machine Base:

- Machine frame in anodized aluminum and stainless steel
- Totally enclosed with stainless steel 304 sheeting
- Lockable movable doors which give access to the internal parts
- Adjustable levelers for inline positioning
- Adjustable in height  $\pm 38$  mm (1 1/2 ") for ease in levelling of the equipment.
- Interlocking Lexan guarding automatically stops the machine if one of the doors is opened
- Machine base integrated with loading hopper in stainless steel 304
- Detection of component level in the integrated elevator hopper by photocell
- 150 mm (6") clearance from the base to the ground
- Machine overall dimensions 2620 X 1244 mm (103 X 50")
- Weight 2,200 lb. (1000kg) (approximately)



#### Bottle Handling System:

- Loading hopper capacity of approximately 680 liters (24 ft<sup>3</sup>)
- Fixed speed motorization of horizontal and vertical elevator belt
- Lifting conveyor belts in white polyurethane
- Lexan covering of the front vertical side of the elevator
- Centrifugal sorting system with variable speed control
- Motorized rotary blades to remove excess bottles at the outfeed and return them to the sorting bowl
- Stainless steel sorting wall support
- First set of motorized lateral belts for outfeed bottle spacing before pneumatic lifting arm
- Pneumatic lifting arm with adjustable pressure (used to orient containers in upright position before discharge)
- Adjustable mechanical cam to bring bottles back into upright position
- Easy, toolless, no change parts, size changeover done with only 3 handwheel adjustment system
- Handwheel adjustment with numerical counters for fast, repeatable set-ups
- Independently adjustable speeds for pacing and transporting conveyor belts
- Bottles exit machine in an upright position, moving onto an existing conveyor





### Automatic Fallen or Inverted Bottle Detection System

#### Includes:

- Two (X 2) reading sensor for bottle positioning
- Micrometric adjustment system for each sensor
- Pneumatic air blast
- Recycling stainless steel chute into the main hopper



### Machine Status Beacon Light (3 colors)

Equipment status easily identified from a distance

- Solid Red = machine stop
- Flashing Red = emergency Stop
- Solid Yellow = stopped for alarm
- Flashing Yellow = low component warning
- Solid Green = machine running
- Flashing Green = machine in Stand-By Mode (automatic restart)

### Control System:

- Stainless steel panel control
- Stainless steel, tubular holding post with twin axis swivel control panel
- Emergency Stop on the control panel
- Machine controlled with industrial PLC
- 10" (255mm) multi-color touchscreen control interface
- HMI resolution of 1024 X 600
- Ethernet connection (required IP address)
- Programmable conveyor, feeder speed, etc.
- Capable of memorizing multiple recipes
- Alarm display
- Possibility to have different language interfaces
- Multi-level password protected screens for different access control



### Equipment Specifications, Utility and Installation Requirements:

- 220 volts, 3 phases, 60 Hz, 15 amp
- Power consumption 4 kw
- Air requirement 90 psi (6.9 bar),
- Air consumption 1 CFM (28Lt./m)
- 21 CFR part 11 Ready
- Built in accordance with of North American standards (UL) and CSA (Canadian Standard Association)

Note: Specifications may vary depending on final equipment configuration and the options selected

### Quick Changeover Features:

- Dial indicators and or reference counters/scales are used to obtain quick, repeatable changeovers.
- Exit door with reverse horizontal conveyor to eliminate any bottles left in the system
- All mechanical adjustments are done using numerical counters for reference to create easy changeovers
- No change parts required



## Available Options for the SortStar

### Motorized Automatic Adjustment System

Designed to automatically adjust mechanical setting according to pre-set recipes from the HMI.

Includes:

- Additional motors to automatically adjust belts and other alignments device to properly handle bottles.
- Sensors to link all adjustment point ensuring all changes were made according to set-up.

Note: the lifting arm may need to be manually adjusted depending on the bottle shape and height







## Monoblock Model Synergy Patriot FPCL

Compact automatic servo drives inline sequential (Single Index) multi stations Monoblock system, capable of handling round bottle at speed of up to 50 Bottles per minute depending on the final components and full application

This equipment is manufacture to meet or exceed cGMP guide line and is perfectly adapted to work with in the pharmaceutical industries

### Equipment Composed of:

- Four (X 4) “SteelHeart” Peristaltic dosage pumps to fill liquid products
- One automatic plug feeder/placement system
- One automatic cap feeder/placement with Pre-tightening system
- One final tightening station
- One pressure sensitive labeling station

### Machine Complete with:

- One set of bottle change parts
- One set of plug change parts
- One set of plastic screw cap change parts

### Machine Specifications:

- Bottles:
  - Ø: from 25mm to 100mm
  - Height: from 40mm to 300mm
- Caps:
  - Style: Screw, tamper evident/Child resistant/snap fit/flip top/dome; etc.
  - Height: minimum and maximum 10 x 65 mm
  - Diameter: minimum and maximum 10 x 30 mm
  - Application Torque: min and max 2 to 25 in/lb. (0.22 to 2.82 Nm)

### Machine Base and Mechanical Features:

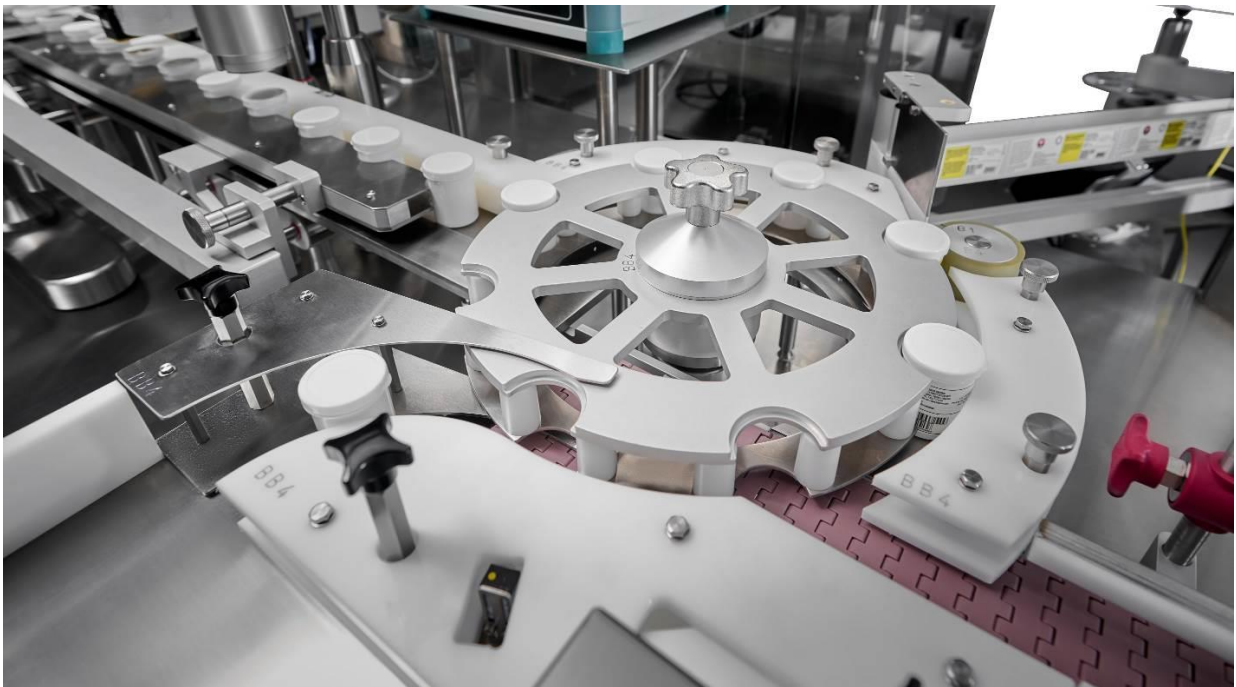
- Frame in anodized aluminum completely covered in stainless steel 304
- Adjustable support legs for in-line positioning and levelling. with  $\pm 38$  mm (1 ½ ") adjustment capability
- Raised working surface for easy cleaning
- Machine as multiple brushless motors for a smooth and flexible machine operation
- Electrical and mechanical part located inside the machine frame for a complete protection
- Top plate of the base completely sealed against liquid infiltration protecting all internal mechanical parts
- Wide lockable inspection doors for routine maintenance
- 150 mm (6") clearance from the base to the ground





**Bottle Handling System:**

- 1220 mm (4ft)) section of straight-line conveyor in stainless steel
- One 90° curve
- 1828 mm (6ft)) section of infeed raised bed (Sanitary) motorized stainless steel conveyor
- Transporting Delrin chain of 114.3 mm (4 ½") wide
- Adjustable side rail without the use of any tools
- Automatic indexing of the bottles onto the different station by servo driven finger indexing system
- Finger indexing and Guide made of stainless steel and plastic Ertalyte® PET-P
- One special aluminum anodized transporting star wheel with roller bearing to aligned the container at the labeling station
- One bottle presence sensor that stop the machine in case of missing bottle
- Transporting system with safety sensor that stop the machine in case of any jamming
- Raised working surface for ease of cleaning
- 2134 mm (7ft)) section of outfeed motorized raised bed (sanitary) conveyor in stainless steel
- Transporting Delrin chain of 114.3 mm (4 ½") wide
- Adjustable side rail without the use of any tools
- Back up sensor at the out-feed conveyor that stop the machine in case of accumulations







### “SteelHeart-2” Peristaltic Dosing Station:

For liquid products:

- No bottle = no fill sensing/control
- Mechanical bottom-up filling system (prevents product splashing and/or foaming)
- Four (X 4) stainless steel 316L filling nozzles
- Complete molded sterilized kit for transfer/dosing tubing
- Four (X 4) complete independent dosage Four (X 4) stainless steel 316L filling nozzles
- Complete molded sterilized kit for transfer/dosing tubing
- Stainless steel construction
- Independent servo motor drive programable directly from the machine HMI
- Self-adjusting tube clamping system
- Drip prevention feature, a.k.a. “Suck back”
- Accepts broad range of tubing materials and sizes from 0.5 to 4.7 mm ID
- Flow rate of over 2 liters/m depending on the set up and tube size
- Special quick disconnects pump cover with large grip pattern adapted for clean rooms
- Easy to clean exterior
- Dual offset stainless-steel rollers to alleviate pulsation
- Auto compensation feature
- Accuracy of  $\pm 0.5\%$ , depending on the fill volume, product and/or set up
- Safety device prevents pump from operating when cover is open



### Plug Vibrator Bowl Sorting / Feeding Device:

- Operator level unscrambling system sitting on an anodize aluminum frame completely cover stainless steel base with stabilizer foot system to help positioning the orientation system with the rest of the machine
- Vibratory bowl height-adjustment system with hand wheel mounted with numerical reference counter
- Stainless-steel covered vibrating system with controllable variable speed
- Stainless steel 316L vibratory bowl with an outfeed chute
- Transfer of the Components from the orientation system to the pickup star wheel through a single stainless steel distributing chute



### Plugging Station:

- One transfer star wheel to introduce the components from the inline chute to the picking station
- 180° rotary motion “Pick & Place” system with 2 heads
- Programmable servo driven rotary motion and up and down motion for the “Pick & Place” system
- Plugging head equipped with anodized aluminium chuck designed for one size plug.
- All part in contact with the plugs are easily removable without the usage of any tools for quick change over time





### Cap Vibrator Bowl Sorting / Feeding Device:

- Operator level unscrambling system sitting on an anodize aluminum frame completely cover stainless steel base with stabilizer foot system to help positioning the orientation system with the rest of the machine
- Vibratory bowl height-adjustment system with hand wheel mounted with numerical reference counter
- Stainless-steel covered vibrating system with controllable variable speed
- Stainless steel 316L vibratory bowl with an outfeed chute
- Transfer of the Components from the orientation system to the pickup star wheel through a single stainless steel distributing chute



### Capping Station:

- One transfer star wheel to introduce the components from the inline chute to the picking station
- 180° rotary motion "Pick & Place" system with 2 heads
- Programmable servo driven rotary motion and up and down motion for the "Pick & Place" system
- Cap placement with pneumatically regulated pre-tightening system to ensure that caps are well placed onto the bottles
- One (X 1) final independent servo-drive torque control
- Torque accuracy 0.2 Nm ( $\pm 2$  in.-lb.) across a range of 0.56 to 22.4 Nm (5 – 100 in.-lb.)
- Torque adjustable in percentage directly from the HMI
- Tightening chuck with mechanical jaws using adequate material to prevent any damage to the caps
- Bottle stopper preventing the bottle from spinning while final torque is being applied



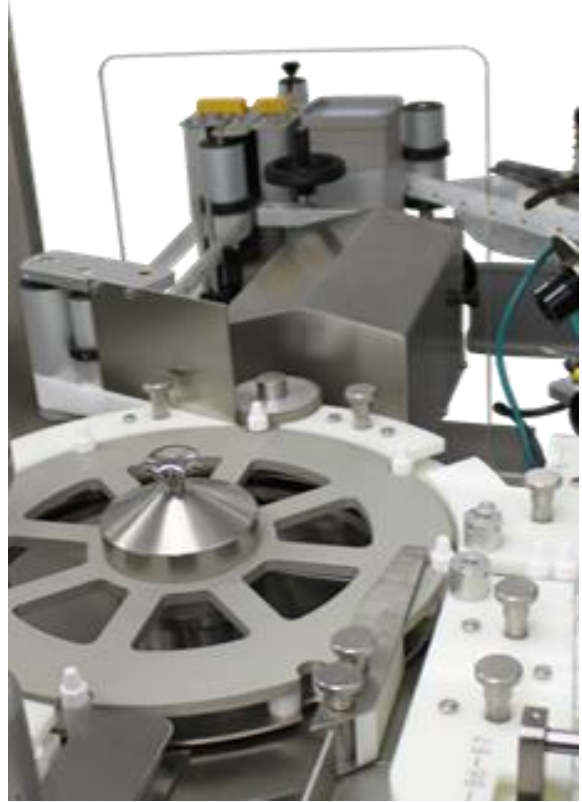


### Label Application System:

- One special wrap around system (roller style) that spin the container directly onto the star wheel while labeling
- Variable speed electronically synchronized by encoder with the labeling head for label speed distribution

### Labeling Head Features:

- One electronic labeling head model LS 200
- Height: minimum and maximum backing paper 20 x 200 mm (Labels 8 x 198 mm)
- Minimum gap between labels 2 mm
- Maximum roll size 380 mm (15")
- Core size: from 40 to 75 mm
- Maximum dispensing speed of 50 meters (165 ft) per minute
- System to adjust the head mounted on biaxial system with double shaft and a very precise scale
- High precision Stepper motor
- System pull push for label stability
- Bottle detection with photo start programmable directly from the touch screen control
- Label detection with standard photo stop detection mounted on a sliding arm
- Height adjustment system of the labeling head with hand wheel for easy change over
- Change over label with automatic self-learning device
- Stainless steel peel plate for label distribution



### Fail Safe Reject Station

- Mechanical tracking of the container on all time, no need for electronic tracking
- Automatically removes faulty components
- They are rejected by a positive ejection diverter directly from the transporting start wheel standing in upright position
- Stainless steel reject shelf
- Reject tray sensor full
- Reject confirmation sensor
- Fail-safe design, all bottles are assumed defective until compliance is confirmed



## Machine Status Beacon Light (three X 3 colors)

Equipment status easily identified from a distance

- Solid Red = machine stop
- Flashing Red = emergency Stop
- Solid Yellow = stopped for alarm
- Flashing Yellow = low component warning
- Solid Green = machine running
- Flashing Green = machine in Stand-By Mode

### Control System:

- Stainless steel panel control with tubular holding post
- Twin axis swivel panel control with locking mechanism
- Emergency switch on the panel control
- Software with Capacity of 300 tags
- Downtime Tracking & analysis Module
- Advance reporting module capability
- Web Script Modules
- 380mm (15") color touch screen interface
- Window base Industrial P.C.
- HMI Resolution of 1366 x 768
- Comply with USFDA CFR 21-part 11 regulation
- Capable of memorizing multiple recipes
- Capable of normal machine operation with alarm display
- Possibility to have different language interface
- Multi-level password protected screens for different access control



## Complete Data & Audit Trail Report

- Batch starting time
- Batch finishing time
- Number of bottles entering the machine
- Number of bottles out-feeding the machine
- Number of reject and their reason why
- Downtime of the equipment and reasons
- Upstream & downstream downtime
- Up time
- Waiting time
- Statistical, percentage, graphic, etc.
- Audit trail of all user password



### Installation Requirements:

- 220 volts, 3 phases, 60 Hz, 15 amp
- Power consumption: 3.5 kw
- Air regulator with filter with ¼" quick connect male with ½" NPT
- Air at 100 PSI (6.9 bar)
- Air consumption 20 CFM (566 L/m)
- 21 CFR part 11 Ready
- Built in accord with of North American standards (UL) and CSA (Canadian Standard Association)

Note: Specifications may vary depending on final equipment configuration and the options selected)





### Quick Changeover Features:

- Dial indicators and or reference counter/scales are used to obtain repeatable quick changeovers.
- Dedicated change part with location pin
- Usage of any tool is restricted to a minimum
- Change over size bottle and cap is done in approximately 20 minutes (excluding cleaning time)

### Safety Feature:

- Emergency stop pushbutton switch install directly onto the panel control
- Torque-limiting sensor on all motion system
- Back up sensor at the exit conveyor that stops the machine in case of accumulation

### Euroguard Safety Interlock System

- 6 mm (1/4") thick tempered glass barrier doors shield the machine perimeter
- Doors are mounted on the stainless-steel frame of the machine which also enclosed the electrical wirings.
- Safety interlocks are installed to ensure the safety of the operators before start-up and during operation



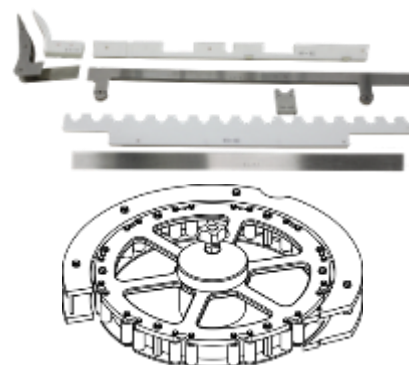
### Standard Detection:

- No bottle at the in feed = machine stop (automatic restart when bottles are sufficiently present)
- Cap chute full = vibrator stop (automatic restart)
- No cap on the bottle = Faulty bottle will be rejected
- Labeling head in alarm (broken web, end roll, etc.= Machine stop = manual restart)
- Out feed conveyor full = machine stop (automatic restart)

### Components Change Parts

#### Change Parts for Different Size Bottle

- Two (X 2) complete set of "U.H.M.W. transporting finger parts
- Side guide with quick disconnect system
- Integrated bottle stopper
- Stainless steel back guide
- Diverting guides from the feeding table into the indexing fingers
- One special aluminum anodized transporting star wheel with roller bearing to aligned the container at the labeling station
- Dedicated anodized aluminum hub with location pin providing very quick set up
- Side guide with quick disconnect system





### Change Parts for Different Size Cap

- One (X 1) orientation bowl in stainless steel 316L
- Ø 500 mm, 9Kg.
- Continuous weld finish 18 Grit Gage 11
- Out-feed chute
- Distribution Star wheel
- Two (X 2) Placement and pre-tightening chucks
- One (X 1) Final torque chuck with mechanical jaws with adequate material for torque control
- All contact parts are autoclavable and design with cGMP regulation for sterile usage



### Change Parts Storage Cart

- Components dedicated storage are to organize and store change parts
- Frame made of tubular stainless steel
- Back plate made of U.H.M.W. material
- All necessary anchor points to connect all change parts
- Stainless steel castor with brake



## Available Options for Synergy Platform

### SteelHeart Cover for Different Tubes Size

Allowing the SteelHeart pump to handle larger size hoses for larger volume while keeping accuracy

- Complete Stainless-steel construction
- Self-adjusting tube clamping system
- Accepts broad range of tubing materials and sizes from 6 mm ID to 8 mm ID
- Flow rate of over 4 liters/m depending on the set up and tube size



### Dosing / Transfer Silicone Tubing Kit

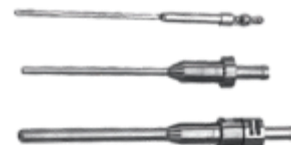
- 609 mm (24") Infeed Tube
- Two (X2) "Y" molded connector with 280 mm (11") tubes for pump connection
- 609 mm (24") outfeed Tube
- Biopharmaceutical-grade platinum-cured silicone
- Assembled and packaged in a Class 7 (Class 10,000) ISO-certified clean room
- Sterilized by Gamma irradiation
- Documented lot traceable with identification on bags
- Temperature ranges from -80°F (-62°C) to 500°F (260°C)
- Reduces assembly time and process set-ups
- Eliminates the entrapment and leak-point areas associated with fittings
- Meets USP Class VI, European Pharmacopoeia 3.1.9 and FDA criteria\*





### Filling Nozzle

- Stainless steel 316L (other Ø available upon request)
- Spring loaded ball check valve
- With PVC re-enforce braided hoses (food Grade) for product transfer
- Custom attachment system for Capmatic equipment
- Final design adapted to the product to be fill (To Be Confirm)



### Filling Nozzle with Shut Off System

Preventing dripping with viscous & semi viscous products

- Stainless steel 316L
- Pneumatic activated plunger for sealing the nozzle
- Quick disconnect air hose system for wash down
- Dismantling of the nozzle with the usage of any tools
- With PVC re-enforce braided hoses (food Grade) for product transfer
- Attachment system



### Automatic Tare-In / Tare-Out System

- One (X 1) Wipotec weighing module to weight the empty bottle
- Bottle are lightly diverted onto the weigh scale to create minimal contact with transporting rake motion system for ultimate reading accuracy
- One (X 1) Wipotec weighing module to weight the bottle after it has been filled
- Electronic feedback directly into the machine HMI
- Weighing accuracy  $\pm 0.1$  g with display precision of 0.05 g
- Weigh Cells are IP 65 protected (splash down)
- The weigh cells are installed in their own independent supporting structure to avoid any vibration from the machine operation for precise reading

Load Cells capacity and definition to be determine upon project confirmation



### Vibrator Bowl Acoustic Silencer Cover

- Orientation bowl completely inside the silencer cover
- In mirror polish stainless steel 304
- with Lexan door giving you easy access to the inside of the feeder
- Inside wall completely covered with noise reduction material
- Should reduce noise made by component being sorted out to less than 85 db. depending on the type of component to be sorted



### Automatic Pedestal Hopper Feeder

To feed components directly onto the orientation system to give you a longer autonomy

- Stainless steel 304 construction
- 4 ft³ (110L.) hopper capacity in stainless steel 316L
- Pharmaceutical finish with polish welding
- Castor wheel with brake for unit transportation
- Quick removable system of the hopper for cleaning purposes
- Variable speed adjustment by air regulator
- Pressure gauge
- Quick air connect system





### QC-ATS – 34

Verification of Application Torque System Tool

Measuring dynamic torque on running capper, in production

- Built-in battery 3H
- Size range: Ø 34 X h 90 mm
- Measuring range: for up to 20 Nm 177 Lb fin
- Measures in opening and closing directions
- Accuracy:  $\pm 0.5\%$  of full scale
- Qualitorq software + curve
- Loading by USB (PC)
- Battery charging by Micro USB cable
- Delivered with calibration certificate
- Displayed values actual, Max1, (Max2), torque-time diagram
- Battery life 10-12 hours (2-3 hours @ SB-T mini)



- Included Android application
- Included Data Manager for PC
- Heavy duty waterproof case

### Low Label Sensor Detection

- That will stop the infeed or will show status on stack Light (not included)

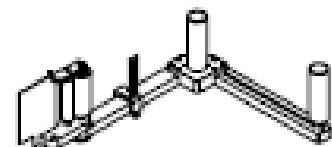
### Eagle Eyes Plus Sensor

Sensor able to detect every style of label onto backing paper with minimum adjustment



### “L” Shape Arm for Vision / Coding System Installation

To integrated a Hot stamp, thermal transfer coder, or vision system onto the labeling head directly, giving you more space to do the equipment adjustment







## Markem-Image Thermal Transfer Overprinter Model SmartDate X65-128

Automatic system for the printing information on a pressure sensitive label with thermal transfer system  
**The system is complete with the following:**

### Print head:

- 32 mm 300 dpi (12 dots/mm)

### Printing area for 53 mm unit

Intermittent printing mode:

- 128 mm X 75 mm

Continuous printing mode:

- 128 mm X 150 mm

### Minimum Print Speed for 32mm

- Intermittent, up to 700 mm/sec
- Continuous, from 10 mm/sec to 700 mm/sec

### Ribbon specifications for 32 mm.

- Maximum ribbon length 900 meters
- Minimum ribbon width 55 mm
- Maximum ribbon width 130 mm

### Print Feature:

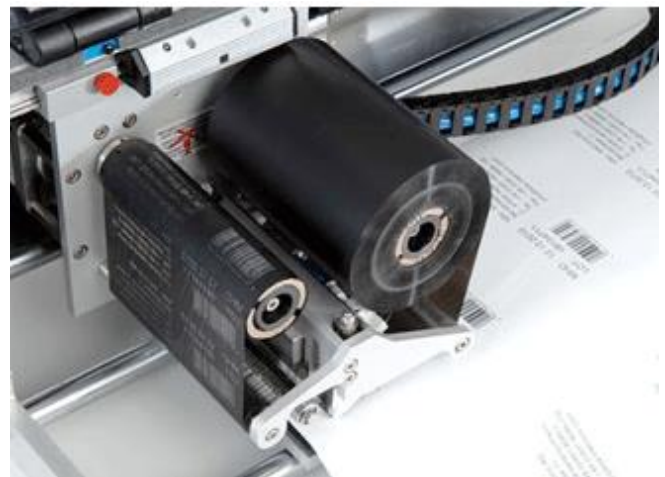
- Automatic printhead setup
- Detect: Dead-dot detection
- Quick change printhead
- Combined intermittent and continuous printing
- Easily change from left to right hand with no additional parts
- Gap between prints: 0.5 mm
- Automatic shift codes and serial numbers
- Multiple variable user input fields with alphanumeric texts
- High-pack-rate mode

### Operator Interface:

- User interface: 10.1" full color 1024 x 600 touch screen for message selection, variable data entry, diagnostics and system setup

### Software Interface:

USB for downloading images, settings and data files.  
RS232, Ethernet communications standard.  
Communications protocols for PCs, PLC and packaging machines, including full remote control web server



### Bar Code:

EAN 8, EAN 13, UPC-A, UPC-E, Code 39, EAN 128, Code 128, ITF, RSS (including 2D composite codes)  
Other available upon request

### Printing Specification:

- Full TrueType font support, including non-Roman characters and symbols.
- Printing of real-time clock, dates and auto-updating best before dates, barcodes: ITF, Code 39, Code 128, EAN 128, EAN 8, EAN 13, UPC A, UPC E, RSS linear, PDF 417, GS1 DataMatrix, QR and Composite RSS barcodes support



### Cognex Vision System for Cap Inspection

To detect the presence and the position of the cap onto the bottle

System included:

- System built in directly onto the Capmatic equipment
- Possibility to connect, up to 6 cameras
- One (X 1) In-Sight Micro 7600 series (camera for single inspection)
- Insight Ethernet Cable (5 m)
- One (X 1) appropriate Lens
- One (X 1) appropriate Light
- Camera & Light Brackets with micro adjustment system to properly position the camera



### Camera for Label Placement Inspection

To detect the position and placement of the label onto the bottle

- One (X 1) In-Sight 7600 series (camera for single inspection)
- Insight Ethernet Cable (5 m)
- One (X 1) appropriate Lens
- One (X 1) appropriate Light
- Insight Micro White Ring Light
- Camera and Light Brackets with micro adjustment system to properly position the camera at the right place



### Camera for Web Inspection

To verify the printing on labels OCR/OCV and Bar Code directly from the Web

- One (X 1) Insight 7600 series (OCV/OCR & Hot Stamp)
- Up to four (X 4) frames inspection on each label depending of their distance and position
- Insight Ethernet Cable (5 m)
- One (X 1) appropriate Lens
- One (1) PatMax and Red Light
- Micro adjustment system to properly position the camera
- Micro Triggers/ Strobe/ (5 m)



**Very Important note:** could require a second camera depending on the information to be read and the size of label to be confirm by Capmatic engineering department

### Automatic Sampling Station

To remove a predefine number of finish product for manual inspection without stopping the machine

- System built in directly onto the labeling star wheel with pneumatic pusher
- Stainless steel reject shelf
- Reject confirmation sensor
- Full tray sensor





### Pilz R.F.I.D. Magnetic Safety Switch on All Doors

- Magnetic safety gate system for applications up to SIL3/PL e/Cat4.
- Magnetic holding force 500N (process protection).  
Coding: coded, add-on function: switch safe semiconductor outputs when gate is closed (independently from guard locking)



### Wireless Barcode Scanner

- With Battery level indicator.
- The curved handle is extended and widened. With specially designed smooth and flat trigger for a better grip.
- The orange anti shock silicone protective cover can prevent scratches and friction even when dropped from up to 6.56 feet. IP54 technology protects the wireless barcode scanner from dust.
- Plug and play with the USB receiver or the USB cable, no driver installation needed. Easy and quick to set up. Wireless transmission distance reaches up to 328 ft. in barrier free environment.
- Supports almost all 1D Barcodes: Codabar, Code 11, Code93, MSI, Code 128, EAN-128, Code 39, EAN-8, EAN-13, UPC-A, ISBN, Industrial 25, Interleaved 25, Standard 25, Matrix. Reads damaged, fuzzy, reflective and smudged barcodes.



### Outfeed Turntable

To accumulate stable base container

- One outfeed accumulation table in stainless steel
- Ø 990 mm (39") turntable in stainless steel
- Variable speed control
- Completely covered stainless steel base with removable access door
- Four (X 4) adjustable stabilizing feet
- Set of adjustable guides and double side rails for container positioning
- Stainless steel transfer plate



### Remote Technical Services

Capmatic's goal has always been to provide our clients with the best possible service, under all conditions. Production systems and information systems have become inseparable, and that's created a significant opportunity to use the connected operations to provide additional service options. We've incorporated modern technology to be able to offer Remote Technical Service (RTS) alongside our standard service packages, saving our customers time and money.

During RTS our technicians use a computer to remotely connect to the customer's Capmatic equipment and work directly on the remote system. The technicians can access the equipment screens in order to troubleshoot and test functionalities and, if the equipment has a vision system, the technician can use the camera to view the equipment. There are many benefits to this kind of remote service, including saving our customers on service charges related to travel and technician costs, speeding up response time to machine malfunctions, and minimizing inactivity during production periods.

Capmatic can deliver remote technical support to our customers worldwide via a simple internet connection. An ethernet cable is recommended for the best performance, but it is also possible to connect to the Secomea device via a Wi-Fi router with a small USB antenna.





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The Remote Technical Service Starter Pack includes:

- Remote Technical Service starter pack (Secomea)
- 25 hours remote technical assistance

Additional Remote Technical Service hours can be purchased through the Capmatic Service Department.





### **Pre-Delivery Inspection (PDI)**

#### Quality Control of the equipment

- System verification
- Safety feature verification, including alarm challenging

#### Mechanical inspection

- Including random checks of fasteners
- Electrical inspection
- Pneumatic inspection

#### Production Tests

- Runs for all bottle presentations
- Ensuring correct parameters are all recipes are set
- Observations recorded in Test Summary, including the bottling rate

#### Cleaning of the Equipment

- Complete cleaning of equipment, inside and out
- Checks for physical damage
- Check for sharp edges
- Check for presence of variable safety or hazard warning signs

#### Preparation for Shipping

- All change parts collected and accounted for before packaging
- Sensitive parts individually wrapped and braced for transport
- Equipment properly braced for transport
- Special preparations for overseas packaging
- Certificates supplied with all crating materials (i.e., wood)





## Validation Document Time Frame

	Time Line	Requirement
<b>DQ</b>	8 Weeks after URS reception	<b>URS</b> -Signed layout drawing
<b>FS</b>	8 weeks after project kick off	<b>-DQ Approval</b> -3D & 2D drawings
<b>DS</b>	5 Weeks after final design review kickoff	<b>FS Approval</b> -3D & 2D drawings -Electrical & pneumatic schematics
<b>HDS</b>	3 weeks after schematics release + BOM	<b>DS Approval</b> -Electrical & pneumatic schematics -Preliminary BOM
<b>SDS</b>	4 Weeks after HMI screens release	<b>HDS Approval</b> -Programming done -HMI screens available
<b>FAT/SAT</b>	2 weeks before FAT date. Pref-FAT is done 2 weeks before too.	<b>All pre builds documents approval</b> -Electrical & pneumatic schematics -2D drawing and material certificates -HMI screens available -Sample matrix
<b>Manuel</b>	3 weeks after post mortem	Drawings & spare parts catalog Cut-sheets Recovery procedure Change parts Instructions





### **FAT Validation Protocol Package**

Factory Acceptance Tests (FAT) are done at the Capmatic facilities in Montreal, where customers are invited to participate in a simulation and validation of the system before it is installed at their site. The FAT is beneficial not just for the customer but for Capmatic as well. This test will assure both parties that the equipment meets all the contractual specifications and that any issues that arise can be addressed before arriving at the customer's site.

There are many other advantages to having a FAT. The customer will be able to see that the equipment's hardware and software are performing optimally before it is installed and gain better insight into how the system works. This is also an opportunity for preliminary operator training. This simulation also saves time and money during start up as typical first-run issues can be resolved prior to delivery. This is important because custom-made solutions can be adapted faster and easier at Capmatic's facility than at the customer's site due to the in-house availability of our engineers and design experts. Upgrades and changes can easily be made.

Customers are free to perform their own tests and/or provide Capmatic their test protocols (preferably with PO). In the event where Capmatic provides the protocols for the FAT, the document and proposed functional tests will be sent to the customer in advance to enable test selection and planning for execution during the FAT.

After inspection and testing of the equipment and review of the documentation, the customer's approval is required before the system can be delivered.

#### **The FAT activity typically includes verification/testing of the following:**

- Mechanical assembly
- Electrical assembly
- Review of the documentation
- Verification and functional testing
- Complete system test

If, during the testing, the equipment fails to meet satisfactory standards, as outlined in the F.A.T. protocols developed by Capmatic, the manufacturer (Capmatic) will correct the situation prior to delivery of the machine.

#### **The FAT Validation Package:**

- Includes electronic and signed hard copies of files
- Provides ongoing email support for customer from Capmatic's validation specialists
- Testing will be done in the presence of a project leader and testing engineer from Capmatic
- Is available as a supplement to the standard Capmatic Documentation Package

### **SAT Validation Protocol Package**

The Site Acceptance Test (SAT) is a useful tool to determine the functionality of equipment at the customer's site after its installation.

The SAT tests the equipment in accordance with client approved test plans and specifications to show that the equipment and all its subsystems are installed properly and interface with other systems in the working environment.

The SAT is not only a test of efficiency, but also a test of quality. By conducting an SAT, quality assurance is met along with good manufacturing practice, safe quality risk management and efficient quality control checks.

#### **The SAT Validation Package:**

- Includes an electronic file
- A hard copy of the test will also be provided if it is requested with the initial order
- Provides ongoing email support for customer from Capmatic's validation specialists
- Is available as a supplement to the standard Capmatic Documentation Package
- Validation support during SAT at client site is also available (at extra cost)







## Start Up and Commissioning at your Plant

Client responsibilities are to ensure:

- That all equipment is properly unpacked
- That the equipment is in line (in proper position) with other equipment
- That the equipment is level
- That the equipment is connected to the proper utilities (water, clean compressed air, and electricity)
- That the components are readily available

The qualified Capmatic technicians' responsibilities are to:

- Verify that all utilities have been properly connected (air, electricity, etc.)
- Verify that all equipment is properly connected and interfaced with other equipment
- Verify that all equipment is level
- Perform a Site Acceptance Test (SAT) in order to prove and document the efficiency of the equipment, or a similar test as specified in the sales contract

**Note:** If the customer would like Capmatic to provide the SAT, it must be ordered at the time of the initial PO

- Equipment set-up training with line operators, maintenance personnel, and managers
- Equipment training with line operators, maintenance, set-up personnel, and managers

**Note: Price is based on an 8-hour shift. Any overtime performed during the Start Up and Commissioning or any delays which prevent the Capmatic technician from performing these functions (not caused by Capmatic technicians or its equipment) will be charged to the client at the standard service rate (refer to the Service Rate section in this document).**

## Training Session for Operators and Maintenance Personnel

The following steps can normally be done during the Start Up and Commissioning/SAT at the Customer's facility, or during the FAT which is done at the Capmatic facility in Montreal.

### Basic Training Steps Consist of:

#### Initial Machine Setup

Preliminary control

Start-up procedure for a production run

#### Machine Production

Machine workflow

Understanding why a machine stops during a production run

End procedures following a production run

#### Component Changeovers

How to prepare the machine for a changeover procedure

Introductory changeover instructions

Complete changeover procedures

#### Safety Features

Safety Protection Systems

Safety warning labels

Warning lights

Emergency Stops

Re-start sequence after an Emergency Stop

#### Cleaning Procedure

General cleaning procedures







**Note:** The level of training needed should be discussed in advance to understand and establish the depth and expectations of the training to be performed. Capmatic provides basic training, but cannot guarantee the successful training of any employee during this basic training. Should more advanced training sessions be required, the Customer will be charged the standard service rate for the duration of the additional training (refer to the *Service Rate* section at the end of this document).

### **Yearly Preventative Maintenance Program**

#### The purpose of the preventive maintenance:

- Increase the life span of the equipment.
- Increase reliability of equipment, thus reducing the probability of failure in service and reducing costs of failure and improve availability.
- Improve the scheduling of work.
- Reduce and regulate the workload.
- Reduce downtime in case of revision or failure
- Preventing costly corrective maintenance interventions
- Allow to decide corrective maintenance in good conditions
- Avoid abnormal energy consumption, lubricant, etc. and facilitate inventory management.
- Improving the working conditions and training of the production staff
- Decrease the maintenance budget and improvement of revenues

#### The Preventive Maintenance (PM) performed by a Qualified Capmatic Ltd. technician at your plant:

- Maintenance will be performing in the production area
- Complete Machine lubrication and general inspection
- Visual inspection of all internal and external mechanisms will be performed to look for any abnormal wear.
- Verification that all connections in the electrical cabinet and control panel are properly connected and interfacing with each other correctly.
- All belts and chains will be inspected for wear and adjusted as needed
- List all suggested wear parts for purchase ensuring good client inventories of parts that may needed to be replaced during the coming year due to normal wear
- Replace any parts that need to be replaced from client stock or supplied by Capmatic, billed at list price

Please Note: Critical parts that need to be replaced can be ordered as required and can be installed the next day (assuming that Capmatic has the parts in stock available for immediate shipment)





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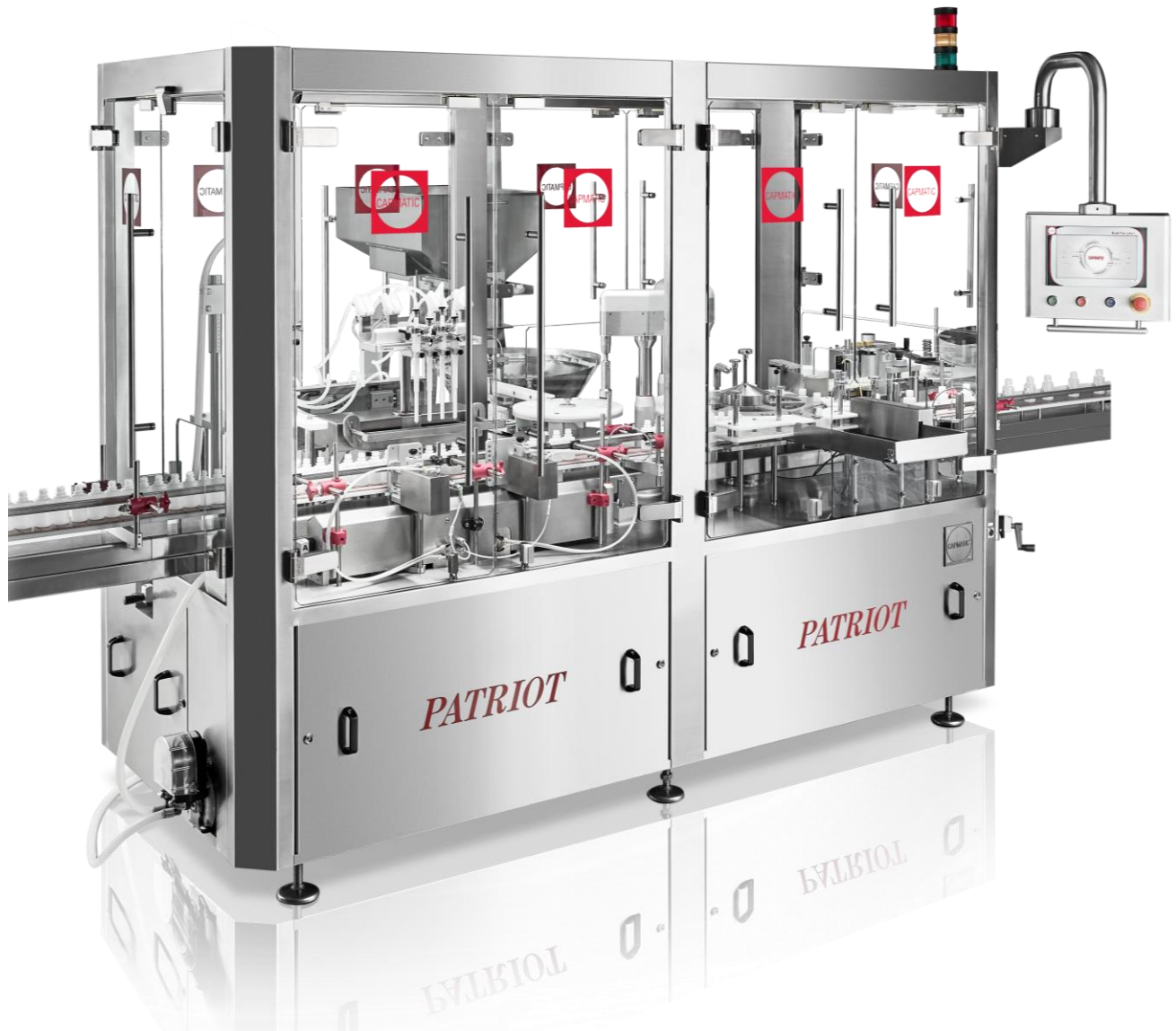
## Equipment Picture





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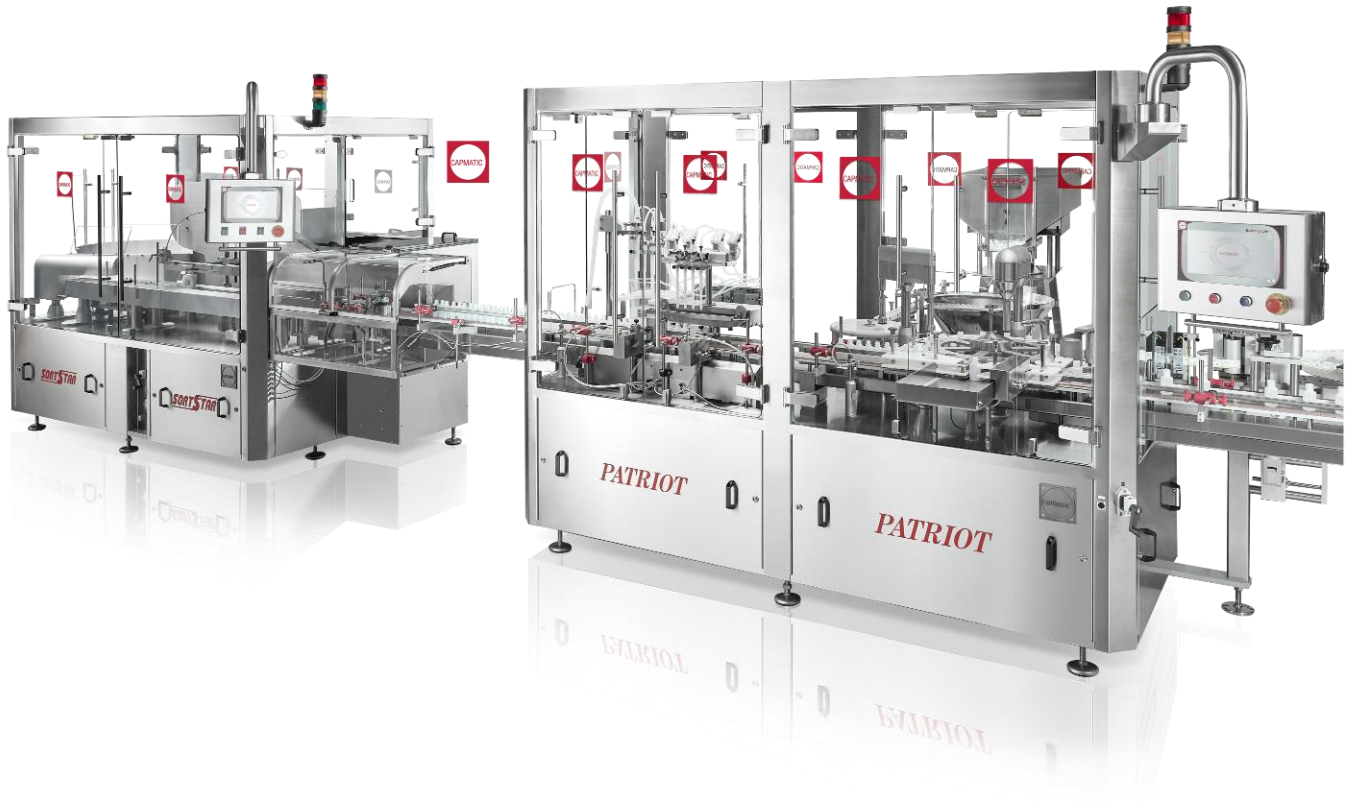
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**NOTE:**

- Pictures and Equipment Layout are for preliminary use only and do not necessarily reflect actual equipment features as quoted on the configuration and price page





## Project Management & Milestones

### **Project Management**

Capmatic has an experienced Project Management Department that will take control of the project after the order has been placed. Upon receipt of the purchase order and first payment, a Project Coordinator is assigned to lead a Project Team which consists of mechanical engineering, electrical engineering, and technical support personnel. The Project Coordinator provides a single point of contact for all project-related issues. Capmatic believes effective two-way communication is the most important factor in any successful project execution. To this end, the Capmatic Project Coordinator will provide periodic reports to the Customer regarding the project status.

### **Project Milestones**

Project Milestones identify all the steps necessary to achieve project completion, from receipt of purchase order to system start-up. Upon mutual agreement between the Customer and Capmatic, certain milestones will be established which detail orderly performance increments. Non-compliance of scheduled milestone requirements could affect project execution. Capmatic reserves the right to move delivery to the next available delivery slot should the Customer fail to satisfy the requirements of any milestone.

### **Purchase Order**

Upon receipt of the purchase order, Capmatic begins the process of assembling the Project Team. A Project Coordinator is assigned and the lead technical support personnel are identified. Once the Project Team is assembled, the Planning Department schedules the project Kick-Off Meeting in order to brief the Team on the contract and performance requirements.

### **Kick-Off Meeting**

The Kick-Off meeting introduces the Capmatic Project Team to the Customer's project. The project scope, performance requirements, and schedule are detailed so that the preliminary design process can begin. In this way, the equipment proposal is handed over as a contract to the Project Management Team. The Customer is welcome to attend this meeting at the Capmatic factory site in Montreal. Customer costs for such attendance will be borne by the Customer.

### **Planning Design Review (PDR)**

The purpose of the in-house Planning Design Review is to ensure that the equipment design, manufacturing processes, and schedule requirements have developed as expected since the Kick-Off Meeting. Additional PDR topics include the list of Customer-supplied parts/materials, applicable standards, and the finalized acceptance test procedures and format (if any). Upon successful completion of the PDR any agreed-upon design changes are incorporated, potential impacts to cost and schedule are evaluated, costly and/or long lead-time components are ordered (or fabricated) and the process of design implementation begins.

### **Documentation**

Capmatic provides one electronic copy of the documentation with its machinery. This package includes installation, operation, and maintenance manuals, vendor documentation for outsourced components, and drawings for electrical, pneumatic systems and assemblies, as well as mechanical systems. Hard copies of the documentation can also be ordered at extra cost. Translations to languages other than English can also be ordered. Requests for additional documentation should be included with the purchase order.

### **Validation**

Capmatic created the Validation Department in order to assist its customers in qualifying their equipment with standard documentary evidence. Orders for all validation documents should be included with the purchase order. If Customers wish to provide their own Factory Acceptance Test (FAT), this should be sent to the Project Coordinator at least one month before the scheduled FAT.

### **Training**

Capmatic would like to emphasize the importance of training Customer operators, maintenance, and setup personnel to ensure the successful use of new equipment. While we do provide an instruction manual, tooling drawings, etc., it is important for Customer personnel to be confidently able to operate and maintain the equipment at their facility. Hands-on experience at the Capmatic factory site in Montreal, under the guidance of our engineering and assembly personnel, is the best way to obtain this training. We suggest Customer personnel spend two days in our factory so they can be trained. Capmatic provides this convenient one-time training as a part of the contract. Apart from this, training at the Customer plant can be scheduled in accordance with Capmatic's standard service rates and conditions.





## Customer Responsibilities

Capmatic believes effective two-way communication is the most important factor in any successful project execution. To this end, the Customer will be informed of all scheduled design reviews and milestone events. In turn, the Customer must promptly document and forward to Capmatic any changes from the contractual baseline in the product, process, or equipment specifications. It is assumed that the Customer will provide each item on the following list in a timely manner (the Project Milestone Agreement will be provided showing all required dates). After order placement, the Project Manager will submit a project schedule for those items which are required to support the quoted delivery date.

*Note: This list is provided as a guide with the understanding that it may not be all-inclusive.*

The Customer will provide:

1. An individual in the Customer organization who is the responsible, single point of contact for the Capmatic Project Manager.
2. Payments as scheduled in the Project Milestone agreement. If the payment schedule is not respected, it is understood that delays to the delivery may occur.
3. Drawings of current component parts.
4. All Customer plant/facility drawings, which include the location of power, air, and water sources, floor space requirements, and site survey information, which is required by Capmatic engineering.
5. The URS (when applicable) must be included with the purchase order.
6. Parts (components) for design, development, machine debug, and acceptance. It is assumed that the parts are clean, separated, dry of oil, and without contaminants.
7. For any process component part, any information which identifies features, conditions, or tolerances, that are not written on the parts but must be accommodated by the proposed machine.
8. Design review and approvals within two weeks of receipt of drawings.
9. Production and support personnel adequate to conduct machine acceptance.
10. Personnel to conduct data recording and analysis of acceptance testing activities.
11. Proper unloading, transportation, and uncrating of the equipment at the installation site.
12. Positioning, re-assembling, and securing of the equipment.
13. Power drops and proper utility connections (water, clean compressed air, electricity) to the equipment.
14. Qualified maintenance and repair personnel suitable for training on the purchased equipment.
15. FAT protocol (if applicable) and customer expectations for equipment acceptance.
16. Preparation of the installation site, including the removal of any obstacles.
17. Approval of occupancy for the building in which the equipment is to be installed.
18. Formulas, calculation formats, software, practices, or methods, which are expected to be a part of (or which can affect) equipment acceptance.

### **Part Requirements**

Due to the short delivery time of the equipment, all dates in the Project Milestone Agreement must be met in order to keep the project on time. Quantities listed are Capmatic's requested amounts, but if availability is limited, actual quantity changes can be negotiated with the project manager.

All piece parts shipped to Capmatic should be identified by part number and accompanied by a packing slip and piece part drawing for identification purposes. If you elect to ship all the required parts to us in a single shipment, parts to be used for various purposes should be in separate containers and each container should be labeled with the quantity of parts contained within.

For example, the 3,000 parts needed for feeder bowl development should be packed in a separate container from the 30,000 parts needed for machine development and debug.

If parts are not separated in this manner, we separate them at our plant in Montreal and charge you for the extra labor of sorting, counting, and repackaging these piece parts.



## Parts Requirement Table:

Quantity	Part Description	Part Use	Delivery
12 Each Style	Bottles	Design	With PO
5,000 Each Style	Bottles	Feeder Development/FAT	2-4 weeks ARO
5 Liter Each	Product	Design	With PO
20 Liter Each	Product	FAT	2-4 weeks ARO
12 Each Style	Caps	Design	With PO
5,000 Each Style	Caps	Feeder Development/FAT	2-4 weeks ARO
1 Reel Each Style	Labels	Design	With PO
3 Reel Each Style	Labels	Development, FAT*	14 weeks ARO

Sufficient filling product is required for machine tests (accuracy and speed). Quantity shall be determined ARO.

PO=Purchase Order

ARO=After Receipt of Order

## Service Rates & Spare Parts

Technical Assistance Rates for a Capmatic Technician:

Labor: \$150.00 / hour (normal working hours)

*Note: Beyond regular working hours, the rates are calculated as follows:*

*1.5x standard labor rate for overtime*

*2x standard labor rate for weekends & holidays*

Travel time: \$85.00 / hour

*Note: A standard travel day is anything up to 8 hours. Beyond this standard, the rates are calculated as follows:*

*1.5x standard travel rate for extended travel (over 8 hours)*

*Travel rate for weekends & holidays (Service department to provide)*

Note: Travel time is in addition to scheduled working days.

Food: \$85.00 / day (Budget)

Hotel: \$275.00 / day (Budget)

Car rental, others & misc.: \$200.00 / day (Budget)

Airfare: The price depends on the destination and advance notice.

*Note: Labor and travel time rates are fixed rates. All other expenses are charged at actual cost.*

### Spare Parts

Upon request, Capmatic can quote spare parts for the system. For budgetary purposes, we recommend adding 2-4%



## Payment Terms & Delivery

**Form of Payment:**

**40%** with purchase order

**30%** upon client layout approval

**30%** at the acceptance of the equipment at Capmatic (FAT)

Payable sight.

BANK'S NAME: City National Bank Los Angeles, CA

BANK'S ADDRESS 1 500 Newport Center Dr. STE 150 Newport Beach, CA 92660

SWIFT CODE: CINAUS6L

ROUTING: 122016066

ACCOUNT: 270148980

BENEFICIARY: Capmatic America, INC

**Note:** Any banking fees, or any other fees, generated by other terms and condition mentioned in this offer will be entirely covered by the client.

The equipment remains the property of Capmatic Ltd. until the machine is paid in full.

*Any applicable taxes will be added to the invoices.*

**Ready for Inspection (FAT)**

**Currently 11 to 12 Months as of official layout approval & stage payment**

A firm production schedule will be established after receiving the order, first payment, approval of representative samples, Product Matrix, Layout, and all other technical information (as requested) necessary to manufacture the equipment according to this contract.

Delivery is also contingent on receiving the requested bulk samples on time, as well as receiving all progress payments as set out in the Project Milestone Agreement.

**Note:** Capmatic shuts down for seven working days at the end of December.

**Shipping**

EX Work, Capmatic Ltd., Montreal, Quebec, Canada

**Crating:**

Extra

**Freight:**

Customer charge

**Installation**

Unloading, localization of the machinery and connection of all services required for proper functioning is the customer's responsibility.

**Start Up**

Capmatic technicians can do start-up of the machine, if requested. Additional charges are applied for this service. Travel and living expenses will be charged at actual cost.

**Confidentiality**

The Purchaser, the Supplier and/or the Agent consider extremely confidential the information received by Capmatic; therefore, they affirm that they will not disclose this information to a third party.

**Validity**

This quotation is valid for 30 days.

**Authorized Representative**

**Christian Normandin**  
**International Sales director**

IDEXX Laboratories, Inc.

Capmatic America Inc.





**CAPMATIC**  
1964  
**AMERICA**

Quotation# UME-23-0001CN-R5-V2

## Capmatic General Terms and Conditions

THE FOLLOWING TERMS AND CONDITIONS ARE IN ADDITION TO, AND FORM AN INTEGRAL PART OF, OUR QUOTATION

### 1. Interpretation

#### 1.1 In these Terms:

- "BUYER" means the person who accepts the seller's verbal or written quotation for the sale of the Goods, or whose written order for the Goods is accepted by the Seller.
- "GOODS" or "EQUIPMENT" means the goods as a whole, regardless of whether it is a supply of a single machine or an entire line of Equipment, which the Seller agrees to supply in accordance with these Terms.
- "SELLER" means Capmatic and its authorized representatives.
- "TERMS" means the standard Terms and Conditions of sale set out in this document and includes any special terms agreed in writing between the Buyer and Seller.
- "CONTRACT" means these Terms and the Buyer's Purchase Order to Capmatic

### 2. Offer and Acceptance

- 2.1 Buyer's purchase order constitutes an offer to Seller, which is subject to written acceptance by Seller's authorized representative.
- 2.2 All purchase orders are subject to acceptance by the Seller by way of the issuance of its Order Confirmation. The Seller reserves the right to partially or fully accept or refuse any purchase order and to submit to the Buyer a counter offer which may include any additional or different terms and conditions, including those which are contained in these Terms. It is hereby agreed between the Parties that silence on the part of the Seller with respect to any term or condition proposed orally and/or in writing by the Buyer shall not constitute an amendment to these Terms.

### 3. Quotation & Price

- 3.1 A quotation is valid for a period of 30 days from cover date, provided that the Seller has not previously withdrawn it.
- 3.2 The price of the Goods ("Price") shall be the Seller's quoted price.
- 3.3 The Price shall be quoted and payable in the currency specified in this quotation.
- 3.4 All Prices quoted or accepted are exclusive of taxes.
- 3.5 Any banking fees or any fees generated for legalization or certification of documents shall be paid by the Buyer.

### 4. Payment Terms

- 4.1 Payment terms are specified in the Seller's quotation and cannot be altered unless changed in writing by the Seller.
- 4.2 Capmatic reserves the right to suspend production and delivery schedules in respect of any order if the account is not paid when due.
- 4.3 The Buyer accepts charges of 1.5 % interest per month (18 % per year) on overdue amounts.
- 4.4 The Goods remain the property of the Seller until payment is made in full, at which point the title to property will pass to the Buyer.

### 5. Taxes

- 5.1 Any applicable value added tax or any other taxes, export taxes, duties, or other statutory levies or payments shall be paid by the Buyer.
- 5.2 The Buyer agrees to indemnify and protect the Seller against any and all liabilities for taxes, as well as any legal fees or costs incurred by the Seller in connection therewith.

### 6. Changes

- 6.1 Seller reserves the right to alter designs and incorporate improvements as required to ensure proper operation of all equipment, parts and accessories ordered.
- 6.2 Changes requested by the Buyer once work is in progress are subject to additional charges for reasonable costs and expenses incurred as a result of such changes, and for labor, materials, and services required to effect the changes.

### 7. Cancellation, Termination and suspension

- 7.1 Acceptance of this proposal creates a Contract, which can be terminated or canceled only upon Buyer's written request and Seller's written consent thereto, subject to such conditions as Seller may reasonably require.
- 7.2 In case of termination or cancellation, the Seller shall have the right to retain the amounts paid by the Buyer up to the date of termination as a lump-sum compensation for damages suffered, including indirect damages, expenses and costs, save for compensation for any additional damages incurred and without prejudice to additional and/or other rights.
- 7.3 The Buyer may, for any reasons whatsoever and at its sole discretion suspend the performance of the Contract by giving written notice to the Seller. The Seller shall not be obliged to accept suspension for more than four (4) months even cumulatively. Therefore, in the event that the suspension will last for a longer period, the conditions for termination under Article 7.2 shall automatically apply.
- 7.4 Without prejudice to any other rights or remedies to which the Seller may be entitled, the Seller shall have the right to terminate this Contract with immediate effect and without any liability if the Buyer:
  - Delays payment of any amount due to the Seller under this Contract for a period exceeding thirty (30) days from agreed terms; or
  - Commits a material or persistent breach of any other terms of this Contract and (if such a breach is remediable) fails to remedy that breach within thirty (30) days of being noticed in writing of the breach; or
  - Is declared insolvent or bankrupt; makes an assignment for the benefit of its creditors; has all or any substantial portion of its capital stock or assets expropriated by any governmental authority; is dissolved or liquidated (except as a consequence of a merger, consolidation or other corporate reorganization not involving the solvency of such Party).Under such breach of Contract, The Seller shall automatically apply termination as stated in Article 7.2.



## 8. Samples and Testing

- 8.1 Samples supplied for testing purposes are to be supplied at Buyer's cost, in accordance with the terms and conditions as indicated in the Order Confirmation.
- 8.2 All samples will be returned with the tested machinery. In the case where returning product will significantly increase the freight costs, Buyer will have the option of paying for proper disposal of their samples.
- 8.3 Estimated Speeds are subject to testing of Buyer's bulk samples. In those cases where bulk samples are not supplied, the Equipment will be tested for normal functioning only. Performance on products not submitted to Capmatic, whether express or implied, is not guaranteed.
- 8.4 Seller is not liable in the event that the quality of the materials and the products used in the production are found to differ from the quality of the material and products supplied by the Buyer for testing.
- 8.5 Any costs incurred for the changes to the Equipment due to the use of materials which differ from those used during the execution of the testing activities shall be borne by the Buyer. Consequently, Buyer shall not be entitled to raise claims against the Seller if delays in delivery of the Equipment are caused by fault of the Buyer.
- 8.6 Materials and consumables especially tamper evident neck banding and body banding materials should not be purchased in bulk by the Buyer until actual samples have been proven satisfactory in production tests. Seller cannot be responsible regardless of testing performed and recommendations made, beyond the cost of new tooling, should changes be required.

## 9. Intellectual Property

- 9.1 The entire rights, title, interest, and the ownership of the know-how, technical information, designs, specifications or documentation, ideas, concepts, methods, processes, technology and inventions (the 'Intellectual Property Rights') developed or created by the Seller, or by any third parties commissioned by the Seller, shall be owned by the Seller. The Buyer shall keep all such information confidential and shall not reveal such information to any third parties unless and until such information becomes available in the public domain. Furthermore, such information must not be used by the Buyer for purposes which differ to those relating to the use of the Seller's equipment without prior written consent of the Seller.
- 9.2 The Seller shall retain the ownership of the patents, copyrights, trade secrets, design rights and any other Intellectual Property Rights relating to the Equipment and, with the exception of what is expressly agreed in this agreement, the Buyer shall not acquire any Intellectual Property Rights, including technical information, know-how, designs and specifications provided by the Seller and concerning the Equipment.
- 9.3 The trademarks and any other brand which identifies the Seller and those belonging to any other company connected to or controlled by the Seller shall be used respecting the destination impressed to it by the Seller in the way as the Seller applies it to the Equipment or to the related documentation.

## 10. Delivery Dates

- 10.1 Any dates specified by the Seller for delivery of the Goods are intended to be an estimate and time of delivery shall not be of the essence.
- 10.2 Seller will notify Buyer of any substantial change in those dates.
- 10.3 Delivery dates are based on prompt receipt of all necessary information from the Buyer including original purchase order, advance payment where applicable, samples as required, and confirmation of all technical details. Delays in receipt may cause delays in delivery.
- 10.4 Seller will make every reasonable effort to deliver before or on schedule, however, the Seller shall not be liable for any damages whatsoever due to a delay in delivery howsoever caused.

## 11. Precedence of the Terms and Conditions

The foregoing terms and conditions take precedence over all other terms and conditions whatsoever contained in any document submitted by the Buyer, unless Capmatic Agrees in comply with new terms and conditions.

## 12. Acceptance of Goods

- 12.1 When Goods are complete, Buyer will be requested to visit Seller's production facility in Montreal, Canada for the Factory Acceptance Testing (FAT).
- 12.2 The Goods will be deemed to be complete and accepted by Buyer when Seller has demonstrated the Goods operating at the required speeds and quality specified in the Contract.

## 13. Storage

- 13.1 If the delivery is delayed by the Buyer for any cause, the Seller shall be entitled to payment for the goods and to charge Buyer for storage of the Goods until delivery.

## 14. Shipping Weights and Dimensions

- 14.1 Where published in the quotation, costs are estimates only and are not guaranteed. Actual crate weight and dimensions can only be advised once Equipment is fully packed.
- 14.2 Freight weights are also estimated and will be finalized at time of shipping.

## 15. Damage Claims

- 15.1 Great care is taken in packing all machines, parts, and accessories. After Seller receives a 'Received in Good Order' receipt by the transportation company, Seller cannot be held responsible for damage that occurred in transit.
- 15.2 All claims for breakage or damage, whether concealed or obvious, must be made to the carrier as soon as possible after receipt of the shipment. Seller will render all possible assistance to secure satisfactory adjustment of such damage claims.

## 16. Force Majeure

- 16.1 The parties shall not be responsible for any failure or delay in performance of their respective obligations or for any loss, cost, damage, expense and penalty whatsoever to the extent due to a Force Majeure Event. Notwithstanding the foregoing, a Party's inability to make payment due to lack of funds shall not be considered a Force Majeure Event.
- 16.2 On the occurrence of a force Majeure Event, the Party affected shall be excused from performance of the affected obligations for as long as the Force Majeure Event and effects continue. Occurrence Included but not limited to inability to obtain timely delivery of materials from suppliers. The performance of obligations shall resume upon cessation of such Force Majeure Event and effects thereof.
- 16.3 If performance is still delayed by a Force Majeure Event after the expiry of six (6) months from the date of first delay or prevention, either Party may terminate the Contract for convenience by written notice to the other Party and without any obligation to pay damages to the other Party as a consequence of such termination. The Seller shall automatically apply termination as stated in Article 7.2.



## 17. Installation

- 17.1 Seller prices for equipment, parts, and accessories do not include an allowance for installation or final on-site adjustment.  
17.2 The installation and start up service performed by Capmatic will be charged as a separate item and can be included in quotation if required.

## 18. Returned Goods

- 18.1 In no case are Goods to be returned without Seller's written permission.  
18.2 All returned Goods must be 'as new'.  
18.3 Goods accepted by Seller for credit are subject to a minimum service charge of 20% plus all transportation costs.  
18.4 Any Goods authorized for return must be packed securely to prevent damage during shipping.

## 19. Warranty

- 19.1 Seller's warranty of standard quality, as set forth in the Terms and in the quotation, is expressly in lieu of any other warranties, expressed or implied, including any implied warranty of merchantability or fitness for a particular purpose.  
19.2 Seller warrants that the goods be of sound quality and will conform to expressly agreed specifications.  
19.3 All Equipment manufactured by Seller is guaranteed against defective workmanship, according to the schedule below.

Mechanical Parts	A period of one (X 1) year, 30 days following equipment leaving Capmatic premises, or up to a maximum of 2,000 hours of operations. whichever occurs first
Electrical Parts	A period of six (X 6) months, 30 days following equipment leaving Capmatic premises, or up to a maximum of 1,000 hours of operations
Malfunctions or faults occurring with the functionality of any of the equipment systems or features. These should be reported in writing.	Malfunctions are guaranteed for three (X 3) months from the date of installation, or up to a maximum of 500 working hours. whichever occurs first
	Malfunctions that occur prior to the performance of the SAT should be documented and addressed during the SAT., a final and signed SAT document copy must be provided to Capmatic for proper traceability <a href="mailto:documentation@capmatic.com">documentation@capmatic.com</a>

- 19.4 Warranties for equipment and components not manufactured by Seller are in accordance with those of the original equipment manufacturer.  
19.5 Seller reserves the right to repair or replace faulty parts as it deems suitable on FOB Seller Works basis.  
19.6 Parts replaced on warranty basis must be returned to Seller, freight prepaid.  
19.7 Seller covers labor to replace items under warranty for 60 days from the date of installation; however, travel time and travel expenses shall be paid by the Buyer.

## 20. Liability

- 20.1 Seller neither assumes nor authorizes any person to assume on its behalf, any obligation or liability in connection with its Goods or any part thereof, which have been subjected to repairs by unauthorized individuals or which have been abused, altered, not used in accordance with the application originally intended, or subjected to any other form of negligence or misuse, regardless of how same occurred.  
20.2 This Contract and all matters relating to the interpretation of the same, any claim for consequential or incidental damages and any claims, right of action and demands, regardless of how same are described, whether in law or equity, shall be interpreted according to the laws of the State of California in Orange County court and they shall be pursued solely in Orange County court.  
20.3 In case of Goods manufactured to Buyer's designs or instructions, Buyer guarantees that such goods or the process of manufacture do not infringe on any patent, registered designs, or other property rights, and agrees to absolve Seller from all liabilities, costs, claims and demands which may be brought against Seller.  
20.4 Seller's liability for any claims arising out of any contract formed between Seller and any Buyer, including any warranty claims and claims based on the alleged negligence of Seller, its officers, agents, or employees, and any Buyer shall not include any special, consequential, incidental or penal damages including loss of profit or revenues, loss of use of the goods or any associated equipment or system in which a product is installed, damage to associated equipment or systems, cost of capital, cost of substitute products, facilities, services or replacements, downtime costs or claims of Buyer's customer for any such damages.  
20.5 In no event shall Seller's liability exceed the cost of the Goods furnished in accordance with this limited warranty, and subject to any claim hereunder.  
20.6 In no event shall this warranty be expanded by any advice, experimentation, or other participation which Seller may render, in the design, development of materials, tools, parts, etc. for Buyer's use.

## 21. Waiver

- 21.1 Seller's failure to insist upon a strict performance of any of the terms and conditions herein shall not be deemed a waiver of any rights that Seller may have, and shall not be deemed a waiver of any subsequent breach or default in these conditions.

## 22. Miscellaneous

- 22.1 The Buyer shall not assign or transfer the rights deriving from the Offer/Order Confirmation, including the Special Conditions of Sale, these Terms and any annexes thereto (the 'Agreement') without the prior written consent of the Seller.  
22.2 In the event any provision of the Agreement conflicts with the law under which this Agreement is to be construed or if any such provision is held illegal, invalid or unenforceable, in whole or in part, by a competent authority, such provision shall be deemed to be restated to reflect as nearly as possible the original intentions of the parties in accordance with applicable law. The legality, validity and enforceability of the remaining provisions shall not be affected thereby and shall remain in full force and effect.  
22.3 This agreement shall constitute the entire agreement between the Buyer and Seller and set forth the entire terms and conditions under which this Agreement will be performed. There are no other agreements, oral or written, with respect to the subject matter of the Agreement, and all oral and written correspondence relating to the subject matter hereof are superseded by the Agreement. This Agreement shall be binding on the Buyer and Seller and their respective successors.  
22.4 Guarding: The standard guarding provided by Capmatic may not suit all local requirements. Additional guarding, at extra cost, can be provided to meet specific requirements.  
22.5 Recommended Spare Parts/Spare Part Kits are provided as part of the Documentation material.