



1-D | AROL | Capping System

Technical Features

Model	Automatic Rotary Machine Euro VP 3 Stations
Speed	4,500 B.P.H. Required operating speed
Product	Cannabis flowers
Closure	<ul style="list-style-type: none">• Screw cap Ø 77 mm H 16.7 mm
Containers	<ul style="list-style-type: none">• Jar Ø 77 mm H 76.5• Jar Ø 77 mm H 57.5
Voltage	400V/3 PH + T/50 Hz
Working Direction	Clockwise
Pitch Diameter	301.58 mm
Pitch Space	288.00 mm



Equipment Description

Suitable for application of one format of screw cap on one format of P.E.T. jar for a production up to 4,500 B.P.H.

The basic machine proposed, is equipped to handle one [1] format plastic screw cap onto one [2] formats of plastic container.

Equipped with:

- Automatic centrifugal sorter with internal selection, made of AISI 304 stainless steel, equipped with cap level monitoring device;
- Chute, made of AISI 304 stainless steel, equipped with electronic cap-presence monitoring device;
- MRS manual device for ejection of the upside down caps off the chute;
- Pick & Place device, made of AISI 304 stainless steel, to transfer caps from the chute to the closing heads;
- Hysteresis Capping heads VP 730, closure torque range 4–34 lbf*in in quick change version, load compensation inner spring, gripper connection in screwed version with VP 350 grippers;
- Control cam for the capping spindles, made of hardened steel, to protect against deformation;
- Device for automatic start up with a set number of bottles on the infeed conveyor;
- Axially adjustable infeed worm at the entry of the loading star-wheel, to transfer the container to the capping carousel without shaking them;
- All of the supports and shafts on the machine work table that may come into contact with the product are made of AISI 304 stainless steel only;
- Safety devices to block the machine if the bottles get jammed, hence preventing container breakage and product spillage;
- Equipped, as standard, with CE accident-prevention devices;
- Gearmotor for autonomous control of the closing heads rotation. It is driven by the inverter placed inside the special control panel in order to allow application of caps which demand operation of this function. It is equipped with a suitable operating software;
- Bottle antirotation blocking device working by means of an external pneumatically controlled belt. The supply also includes a sensor to stop the machine in case of broken belt;
- Manufacture of the machine suitable to handle bottles of special height < 180 mm;
- Electric control panel made of AISI 304 stainless steel;
- ALLEN BRADLEY inverter for electronic speed variation with remote control inside control panel, to ensure gradual increase of machine start-up speed to match bottle flow on the incoming conveyor belt;
- PLC ALLEN BRADLEY;

- H.M.I. for touch panel Allen Bradley Panel view 600;
- Air blows interception electrovalve;
- FESTO pneumatic;
- Control cabinet made of stainless steel CSA certified;
- Motoreducer SEW IE3 version CSA certified;
- **ELEMEC 200 L CAP ELEVATOR**

Made entirely of AISI 304 stainless steel.

Equipped with lifting arm, discharging at a maximum of 3300mm from the ground.

Equipped with long autonomy tank at ground level with loading hatch.

Controls integrated to capper panel.

The caps are automatically called for by means of a sensor reading the level in the cap sorter.

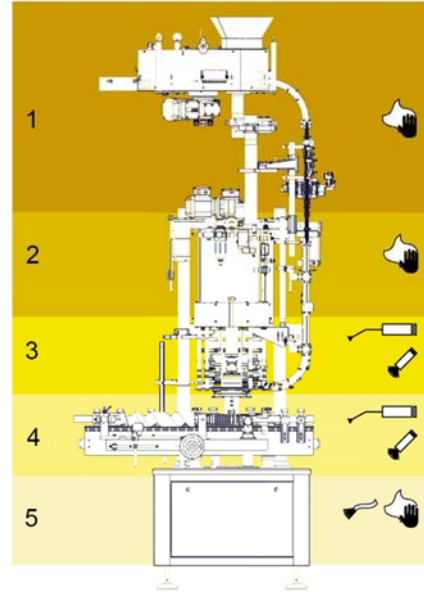
The loading hatch is equipped with pneumatic pistons to prevent accidental closures of the hatch

An internal protection prevents dirt particles that may eventually be attached to the lower surface of the hatch, from falling into the hopper.



EURO VP I.E.S. VERSION

FLANGES OF THE EXTERNAL STRUCTURE	STAINLESS STEEL
COVERS	BRUSHED STAINLESS STEEL
LABYRINTH	PROTECTING RING FROM LUBRICANT ACCIDENTAL FALL
SPINDLES	EXTERNAL HOUSING IN STAINLESS STEEL, SHAFT IN CHROME PLATED STAINLESS STEEL AND GASKET IN VITON RUBBER
PNEUMATICS COMPONENTS	NICKEL-PLATED BRASS AIR TREATMENT UNIT IN STAINLESS STEEL BOX, STAINLESS STEEL CYLINDERS OUTSIDE BOX
GEAR MOTORS	NO PROTECTION



CLEANING SIMBOLOGY	MAX WASHING PRESSURE [bar]	DISTANCE FROM THE SURFACE TO CLEAN [mm]	POSITIONING ANGLE OF NOZZLES [°]
NOZZLES	≤ 5	≥ 250	
WATER DAMPENED CLOTH	-	-	-
PRODUCT - ZONE 2-3-4	CONCENTRATION [%]	MAX TEMP. [°C]	pH
Alkaline solution of hydroxide sodium (NaOH) and/or potassium (KOH)	1 ÷ 2	35	12 ÷ 13
Acid detergents containing nitric acid (HNO ₃)	1 ÷ 2	35	1 ÷ 2
Acid detergents containing phosphoric acid (H ₃ PO ₄)	1 ÷ 2	35	1 ÷ 2
Disinfectant non chlorinated (Aldehyde, quaternary ammonium)	1 ÷ 2	35	2 ÷ 6
PRODUCT - ZONE 1-5	MAX TEMP. [°C]	pH	
Water	35	-	
Neutral detergent	35	5 ÷ 9	

IMPORTANT

It is absolutely forbidden vapor steam cleaning.
The water jets must not be addressed over the capping zone

Price Summary

The following is a preliminary summary of the pricing for the equipment necessary to handle the project requirements, as detailed in this proposal. The “Conditions of Sale” section is located at the end of this proposal and contains key information related to this proposal.

Description	Price (for 2 Units)	
Automatic Rotary Machine Euro VP 3 Heads [Includes Change Parts For One Screw Cap And Two Jars]	USD	285,930
ELEMEC 200 L Cap Elevator	USD	36,000
Packing And Crating For Sea Freight Capper & Elevator	USD	6,660
<i>Total EXW Arol Canelli (Italy)</i>	USD	328,530

ADDITIONAL TERMS AND CONDITIONS

1. GENERAL TERMS:

- a. This proposal is subject to change or revocation at any time prior to receipt of notification of acceptance by Seller at its home office and shall terminate in any event unless acceptance, together with firm and complete specifications including container standards, are received within sixty days after the date hereof.
- b. Any sales, use, excise or other taxes or customs duties which Seller may be required to pay or collect shall be the sole liability of and shall be promptly paid by Buyer on demand of Seller.
- c. Unless otherwise specifically provided herein, delivery shall be "Ex Works", Seller's, Buford, Georgia facility. Buyer assumes the risk of and Seller shall not be liable for any loss or damage after such delivery and Buyer will be responsible for obtaining insurance on a "warehouse to warehouse" basis. Seller will, however, obtain in-transit insurance at the Buyer's expense if requested in writing to do so. If the Seller does not receive specific shipping instructions in writing from the Buyer, the agency of transportation and the routing will be selected by the Seller and the Seller reserves the right to ship freight collect.
- d. The designs and specifications of all products made by Seller are subject to change without notice and, in the event of any such change, Seller will have no obligation whatsoever to make similar changes in a product previously ordered.

2. SHIPPING SCHEDULE:

- a. The time of shipment stated herein is the estimated date at which the equipment will be ready to ship from Seller's Buford, Georgia facility. Seller shall not be liable for delay or default in performance when such delay or default directly or indirectly results from or is contributed to by circumstances beyond the Seller's control, including, but not limited to, acts of God, war or national emergency, fire, flood, riot, explosion, any labor dispute, difficulty or practice, however caused, or inability to obtain necessary materials. The period on any such delays will extend the time of shipment accordingly.

3. WARRANTY:

- a. Seller warrants that the goods manufactured by it are free from defects of material and workmanship.
- b. Seller warrants this equipment to be suitable for the purpose required and described as expressly set forth in this proposal, provided that the equipment has been installed as supplied by Seller, without modification, is operated within the limits of rated capacity, generally approved practice and according to Seller's instructions, and consists of capping components made to the specifications supplied by Buyer and in accordance with generally accepted container and cap industry quality and practice.
- c. Where specifications for container and cap size change parts supplied by Seller are established from sample container and cap components furnished by Buyer, Seller warrants the equipment to be suitable for the purpose intended only when a minimum of twenty-five sample containers and caps have been supplied by Buyer to enable Seller to test and adjust the equipment prior to shipment and then only where the container and cap components being used by Buyer are identical with samples supplied to Seller for the purpose of establishing specifications for the manufacture and testing of container and cap size change parts.

- d. Where specifications for container and cap size change parts supplied by Seller are established from data sheets, drawings and/or dimensions of container and cap components furnished by Buyer, Seller warrants the equipment to be suitable for the purpose intended only where the container and cap components being used by Buyer are identical with the data sheets, drawings and/or dimensions supplied to Seller for purpose of establishing specifications for the manufacture of said container and cap size change parts and then only where a minimum of twenty-five sample containers and caps have been supplied by Buyer to enable Seller to test and adjust the equipment prior to shipment.
- e. Seller further warrants that the use or sale of the equipment furnished hereunder does not infringe any valid claim of any United States patent covering the goods. Seller shall defend and save Buyer harmless against any loss for infringement of any valid United States patent covering the goods manufactured by Seller.

Continued [Warranty]

- f. Seller makes no representations or warrants regarding the conformance of the equipment with, and shall not indemnify or hold harmless any person in connection with the violation of, any safety or health regulations which may be in force where the equipment will be used. Seller shall not be liable, and Buyer shall hold Seller harmless, for any damage to person or property caused by or related to the use of the equipment in a manner other than as intended by Seller or by failure to utilize all safety devices and guards and comply with all instructions supplied by Seller.
- g. THE WARRANTY STATED HEREIN IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, OF FITNESS FOR ANY PARTICULAR PURPOSE OR OTHERWISE, OTHER THAN AS SET FORTH ABOVE, and Seller has not authorized any person to make any other representations or warranties or otherwise subject Seller to any liability in connection with the sale of Seller's equipment.

4. LIABILITY:

- a. Any part or parts of the equipment sold hereunder manufactured by the Seller [excepting parts subject to normal wear in use or breakage due to misuse], which under normal operating conditions and within twelve months from date of shipment by Seller proves defective in material or workmanship as determined upon inspection by the Seller, will be replaced or repaired Ex Works, point of shipment, provided that Buyer within thirty days after discovering the same, notifies Seller in writing of the defect and the particulars in connection therewith and establishes that the equipment has been properly installed, maintained and operating within limits of rated and generally approved usage and in accordance with the Seller's instructions and that no alterations or modifications have been made without Seller's written approval. Components not of Seller's manufacture are subject to component manufacturer's standard guarantee of service which will be made available to the Buyer to the extent available to the Seller. In no event shall Seller's liability under this warranty exceed the purchase price paid for the equipment.
- b. Seller shall have no liability whatsoever to Buyer or others in any event for payment of incidental or consequential damages, including, but not limited to, damages due to loss of use, loss of production, loss of product or containers, or loss of profit or other economic loss as a result of the use and operation of the equipment, including, but not limited to, defective workmanship or materials or any delay, act, error or omission of Seller.

5. PAYMENT TERMS:

- a. Payment shall be on terms specified on the Proforma Invoice/Quotation and shall be in cash United States of America funds acceptable at par value in Buford, Georgia, U.S.A.
- b. All charges related to shipment of the equipment to the destination specified by Buyer shall be for Buyer's account, including, but not limited to, inland, ocean or air transportation charges at actual costs notwithstanding any preliminary estimates furnished by Seller, and further including any bank or other collection charges and any documentation or other charges incident to final shipment of the equipment.
- c. Interest will be charged on past due accounts at the lesser of 12% per annum or the maximum legally chargeable rate.

6. MISCELLANEOUS:

- a. This agreement shall be governed by, and construed and enforced in accordance with, the internal laws of the state of Georgia applicable to agreements made and to be entirely performed in such state without giving effect to the conflicts of laws principles thereof. Each of the parties hereto *submits* to the jurisdiction of the state courts of Georgia and the United States federal courts of Georgia.
- b. The terms hereof including those written within the body of this document shall constitute the entire Agreement between the Buyer and Seller, and no change or modification of this Agreement shall be binding on the Seller unless such a change or modification shall be agreed to in writing by an officer of the Seller.