

Ori-Collector, 24/05/2023



Ori-Collector 60 vials:



- Lely A3, A3next, A4
- Fullwood: Merlin
- BoumaticRobotics: Mrs1, Mrd1
- SAC FutureLine, Happel, Insentec



Part Number: ARSD 60LE/GE/DL
 Capacity: 60 Vials used 30 and 40 ml
 Drain position: Last position is drain when finished sampling
 Materials: Stainless steel/ Aluminum
 Weight: 10 kg
 Dimension: 425x425x285 mm

Also available for:
 • DeLaval
 • GEA (Need GEA kit)

The 60 vial Ori-Collector is now available on 3 different colors: red, grey and blue. Other colors can be available on request.



Kit VMS /N300

Ori-Collector 90 vials: *Designed for sampling organizations that need only one sample per cow*



It has been designed for universal use:

- Lely A3, A3next, A4
- Fullwood: Merlin
- BoumaticRobotics: Mrs1, Mrd1
- SAC FutureLine, Happel, Insentec
- DeLaval (Need of DeLaval kit)
- GEA (Need GEA kit)



Part Number: ARSD 90
 Capacity: 90 vials, vials used 30/ 40 ml
 Drain position: Last position is drain when finished sampling
 Materials: Stainless steel and Aluminum
 Weight: 12 kg
 Dimension: 330x360x285 mm
 Optional: Stainless steel box instead of aluminum (19 kg)



Kit GEA R9500



Ori-Collector 132 vials: *Designed for sampling organizations that want to sample at least two milking's per cow*



It has been designed for universal use:

- Lely A3, A3next, A4
- Fullwood: Merlin
- BoumaticRobotics: Mrs1, Mrd1
- SAC FutureLine, Happel, Insentec
- DeLaval (Need of DeLaval kit)
- GEA (Need GEA kit)



Part Number: ARSD 132
 Capacity: 132 vials, vials used 30/ 40 ml
 Drain position: Last position is drain when finished sampling
 Materials: Stainless steel and Aluminum
 Weight: 16 kg
 Dimension: 570x600x285 mm



Box tools

MODELS AND KITS AGREED BY ICAR

Model of the robot	ICAR APPROVED	Device Used
Lely	Lely Brand	Only with Ori-Collector
DeLaval	KIT DeLaval VMS / KIT DeLaval V300	Connectable with all Ori-Collector
GEA	Kit GEA : In progress for R9500	Connectable with all Ori-Collector
Boumatic Robotoc	In progress	Only with ori-Collector
FullwoodJoz	In progress for Merlin2	Only with ori-Collector
SAC	SAC Brand	Only with ori-Collector
TESTER for Milk Sampler	To verify the correct operation of milk sampling, for Lely / DeLaval / GEA Kit	



VIAL REFERENCE LIST: CHOOSE MODEL BY VIAL, 21 REFFERENCES


Vial reference for your model of Ori Collector


Measurement Conventions





UPPER DIAMETER
LOWER DIAMETER
HEIGHT

If your vial does not match any of the models in this reference guide, please contact info@sayca.net with the measurement information along with a photo. We will get in touch with you and inform you about availability.

				COUNTRY OF USE	CAPACITY /ml	ORDER REFERENCE	NUMBER OF VIALS MANAGED	MODEL ORICOLLECTOR
VIAL TYPE 1 	DIMENSIONS / mm	UPPER DIAMETER	31	FRANCE / BELGIUM / LITHUANIA	30.00	XXX.001	60,90,132	ARSD 60 TYPE 01 ARSD L 90 TYPE 01 ARSD LA 132 TYPE 01
		LOWER DIAMETER	30					
		HEIGHT	74					

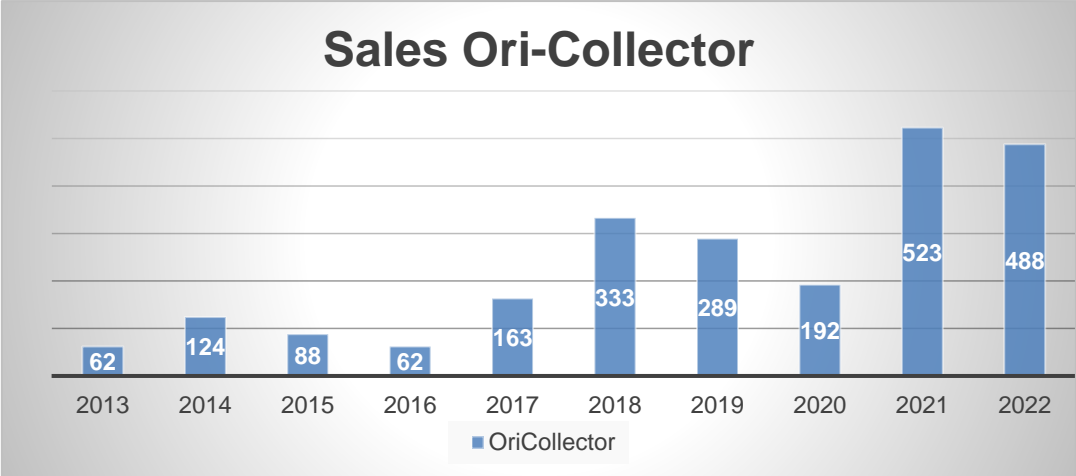
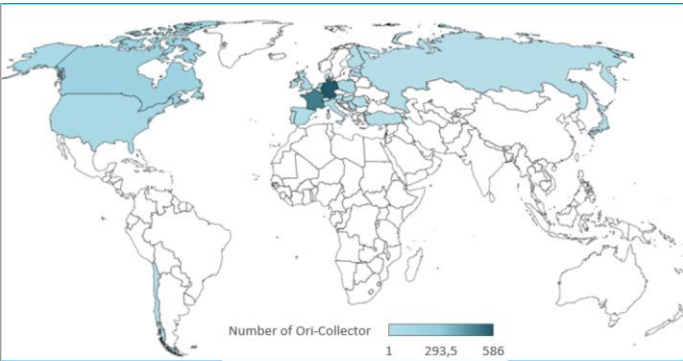
				COUNTRY OF USE	CAPACITY /ml	ORDER REFERENCE	NUMBER OF VIALS MANAGED	MODEL ORICOLLECTOR
VIAL TYPE 2 	DIMENSIONS / mm	UPPER DIAMETER	39	SPAIN (CASTILLA Y LEON /CANTABRIA)	40.00	XXX.002	54,80	ARSD L 54 TYPE 02 ARSD LA 80 TYPE 02
		LOWER DIAMETER	34					
		HEIGHT	70					

				COUNTRY OF USE	CAPACITY /ml	ORDER REFERENCE	NUMBER OF VIALS MANAGED	MODEL ORICOLLECTOR
VIAL TYPE 3 	DIMENSIONS / mm	UPPER DIAMETER	33	SPAIN (GALICIA)	40.00	XXX.003	60,90,132	ARSD 60 TYPE 03 ARSD L 90 TYPE 03 ARSD LA 132 TYPE 03
		LOWER DIAMETER	32					
		HEIGHT	96					

				COUNTRY OF USE	CAPACITY /ml	ORDER REFERENCE	NUMBER OF VIALS MANAGED	MODEL ORICOLLECTOR
VIAL TYPE 4 	DIMENSIONS / mm	UPPER DIAMETER	35	SPAIN (BALEARES)	40.00	XXX.004	72,110	ARSD L 72 TYPE 04 ARSD LA 110 TYPE 04
		LOWER DIAMETER	32					
		HEIGHT	80					

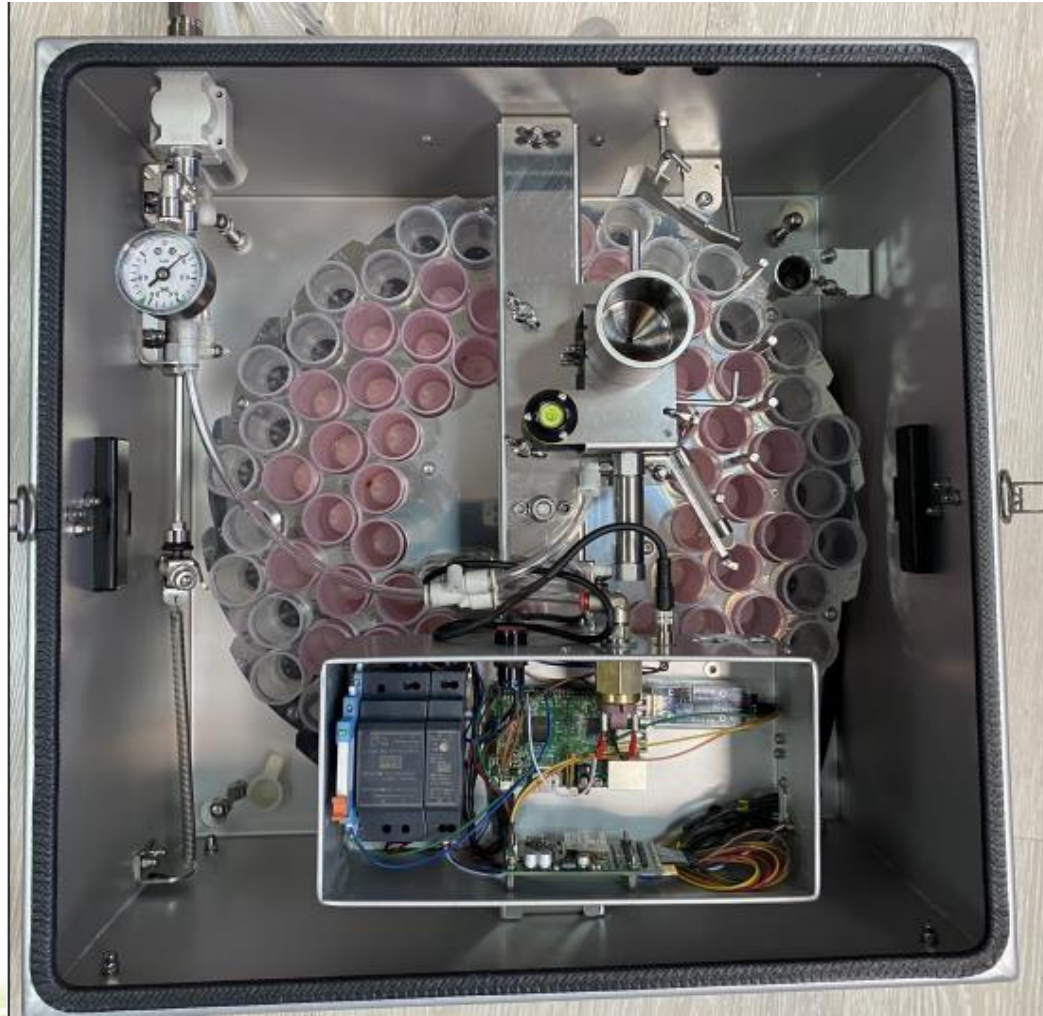
Ori-Collector® today:

Europe / USA&Canada / Japon

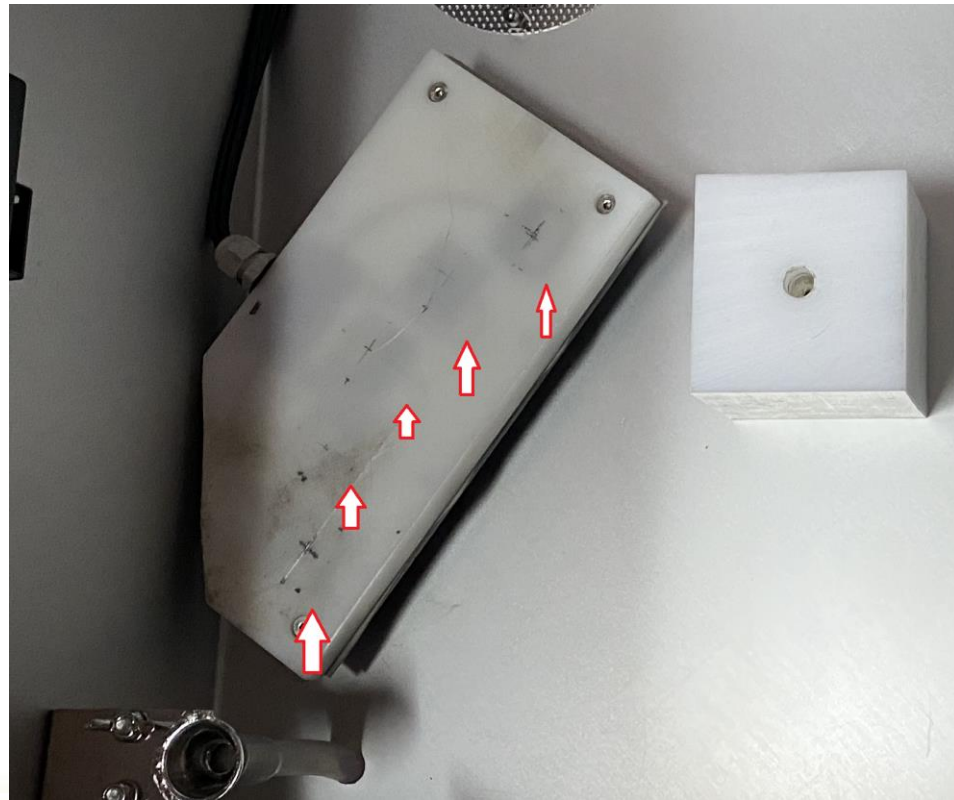


Sales to MRO, Manufacturers and robot dealers
Total : 2.550 Ori-collector
Models : 54/60/72/80/90/110/132
21 types of vials managed.

New developments: Rfid

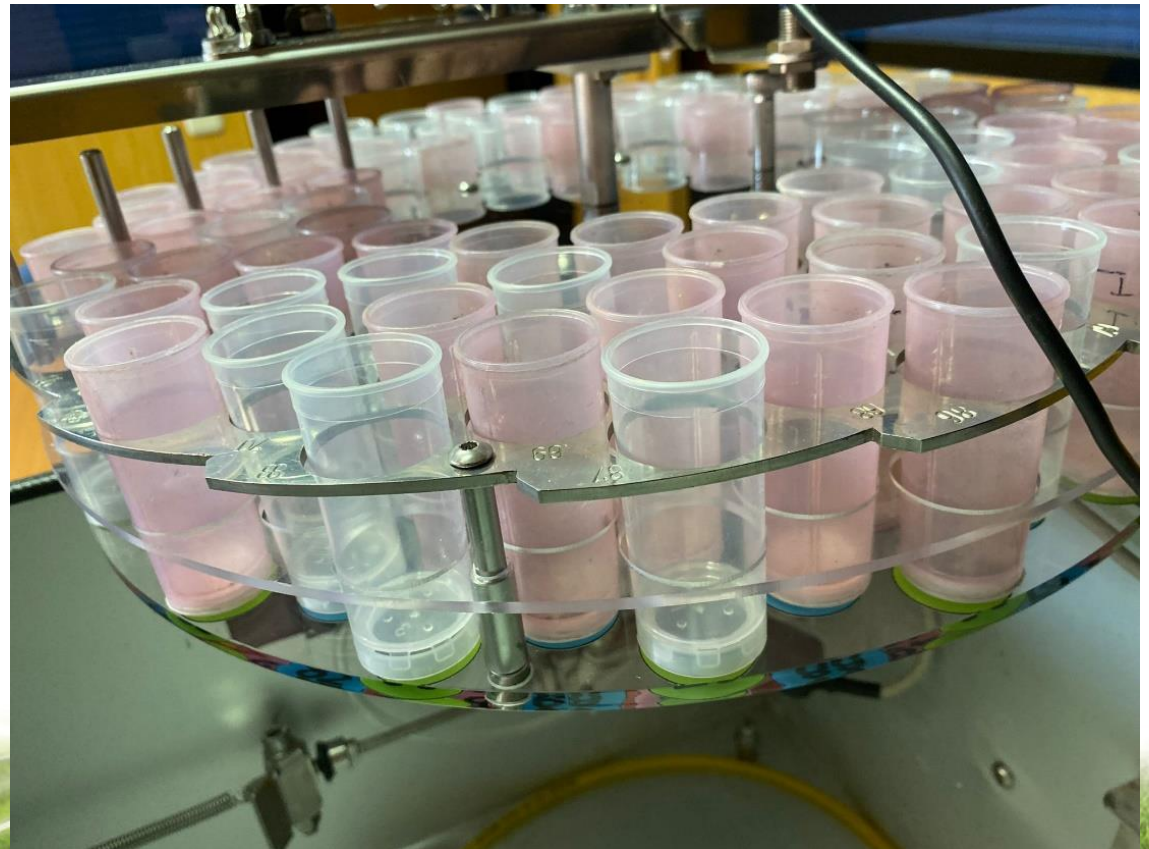


We place a set of 5 or 6 antennas under the crown



Rfid Project:components

- Double Crown to fix bottles
- High Frequency Tag in the base of the vial

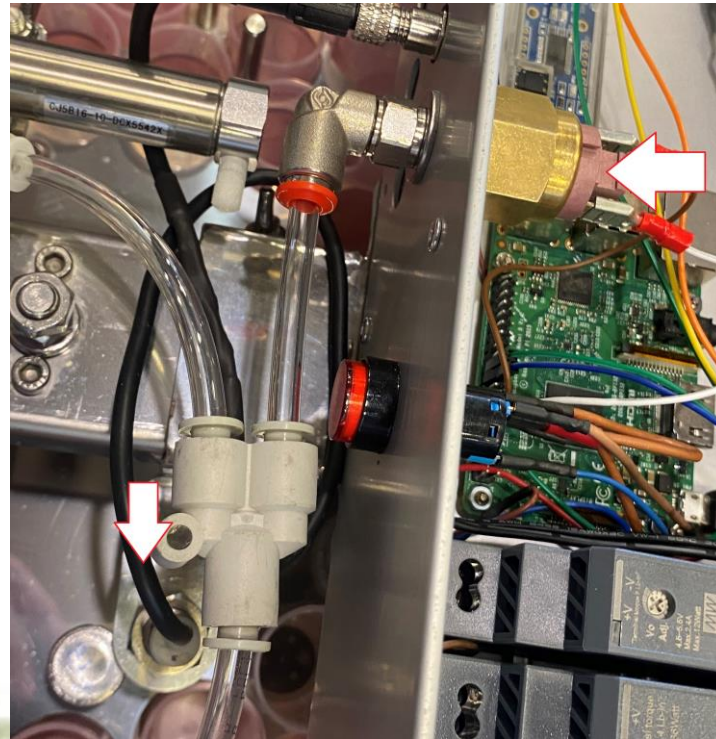


ELECTRIC BOX:

- Raspberry Pi
- web server Technology
- Wifi/Ethernet connection

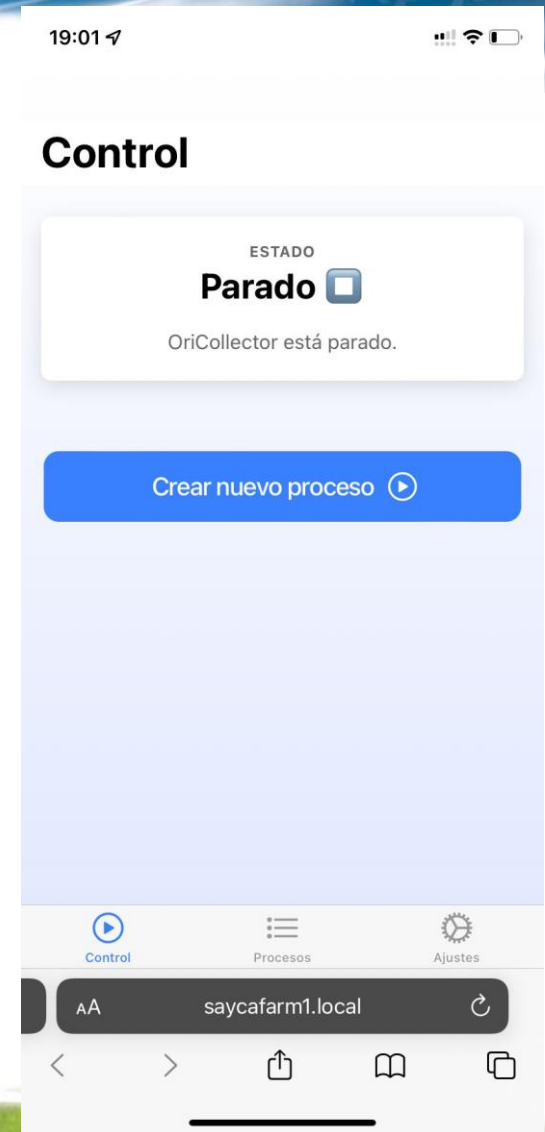


- position 0 sensor
- pressure switch to detect new sampling cycle



Great possibilities of connectivity

- Aces Web browser to set up
- Internet or local acces to the Micro computer



- Wait for 0 position before start

Sampling:

- User, Robot and ori-collector number
- Number de vials



Recording sampling:

- Logging into the server
- By local or remote acces
- By computer or mobile



- List tags readed
- Warnings of possibles issues by e-mail
 - stuck of the crown.
 - Not readed vials
 - Double readed vials
 - End of sampling
 - We can CSV file to email or to robot

19:19

Se ha escaneado el mismo tag. Verificar posible atasco. Posición 2.

Posición	tag	Fecha
1	E0078158CE745779	19:14:32
2	E0078158CE745779	19:14:39
3	E00780D10EA54808	19:14:47
4	E00780D10EA38470	19:15:00
5	E007809CDDE7924D	19:15:11
6	E00780D10EA56349	19:15:30
7	E00780D10EA45A79	19:15:44
8	E0078067CDCB2C50	19:16:01
9	E00780ABDE482081	19:16:12
10	E007809CDDE15C78	19:16:21
11	E0078158CE745A7C	19:16:30
12	E00780D10EA48B47	19:16:37
13	E007809CDDE16584	19:16:44
14	E00780D10EA46514	19:16:54
15	E00780D10EA36E71	19:17:02
16	E007809CDDF90F5F	19:17:13
17	E007809CDDF68E62	19:17:25
18	E00781494E465D51	19:17:35

Control Procesos Ajustes

saycafarm1.local

What we want also:

Able to use with Bar code-QR

Remote check of the Ori-collector:

- More efficient management of samplers**
- Data and trazability about use of ori-collectors**
- Direct export of data to robot: tag number and position.**