Ori-Collector 60 vials:
- 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

Ori-Collector 90 vials: Designed for sampling organizations that need only one sample per cow
- 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: 330x160x385 mm
- Optional: Stainless steel box instead of aluminum (29 kg)

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

Kit VMS /V300
Kit GEA R9500
Box tools
MODELS AND KITS AGREED BY ICAR

<table>
<thead>
<tr>
<th>Model of the robot</th>
<th>ICAR APPROVED</th>
<th>Device Used</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lely</td>
<td>Lely Brand</td>
<td>Only with Ori-Collector</td>
</tr>
<tr>
<td>DeLaval</td>
<td>KIT DeLaval VMS / KIT DeLaval V300</td>
<td>Connectable with all Ori-Collector</td>
</tr>
<tr>
<td>GEA</td>
<td>Kit GEA : In progress for R9500</td>
<td>Connectable with all Ori-Collector</td>
</tr>
<tr>
<td>Boumatic Robotoc</td>
<td>In progress</td>
<td>Only with Ori-Collector</td>
</tr>
<tr>
<td>FullwoodJoz</td>
<td>In progress for Merlin2</td>
<td>Only with Ori-Collector</td>
</tr>
<tr>
<td>SAC</td>
<td>SAC Brand</td>
<td>Only with Ori-Collector</td>
</tr>
</tbody>
</table>

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 References

#### Measurement Conventions
- **Upper Diameter**
- **Lower Diameter**
- **Height**

#### Vial Reference for your model of Ori Collector

<table>
<thead>
<tr>
<th>Vial Type 1</th>
<th>Dimensions (mm)</th>
<th>Country of Use</th>
<th>Capacity (ml)</th>
<th>Order Reference</th>
<th>Number of Vials Managed</th>
<th>Model OriCollector</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Upper Diameter</td>
<td>FRANCE / BELGIUM / LITHUANIA</td>
<td>30.00</td>
<td>XXX.001</td>
<td>60,90,132</td>
<td>ARSO 60 TYPE 01, ARSO 90 TYPE 01, ARSO LA 132 TYPE 01</td>
</tr>
<tr>
<td></td>
<td>Lower Diameter</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Height</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Vial Type 2</th>
<th>Dimensions (mm)</th>
<th>Country of Use</th>
<th>Capacity (ml)</th>
<th>Order Reference</th>
<th>Number of Vials Managed</th>
<th>Model OriCollector</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Upper Diameter</td>
<td>SPAIN (CASTILLA Y LEON / CANTABRIA)</td>
<td>40.00</td>
<td>XXX.002</td>
<td>54,80</td>
<td>ARSO 54 TYPE 02, ARSO LA 80 TYPE 02</td>
</tr>
<tr>
<td></td>
<td>Lower Diameter</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Height</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Vial Type 3</th>
<th>Dimensions (mm)</th>
<th>Country of Use</th>
<th>Capacity (ml)</th>
<th>Order Reference</th>
<th>Number of Vials Managed</th>
<th>Model OriCollector</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Upper Diameter</td>
<td>SPAIN (GALICIA)</td>
<td>40.00</td>
<td>XXX.003</td>
<td>60,90,132</td>
<td>ARSO 60 TYPE 03, ARSO 90 TYPE 03, ARSO LA 132 TYPE 03</td>
</tr>
<tr>
<td></td>
<td>Lower Diameter</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Height</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Vial Type 4</th>
<th>Dimensions (mm)</th>
<th>Country of Use</th>
<th>Capacity (ml)</th>
<th>Order Reference</th>
<th>Number of Vials Managed</th>
<th>Model OriCollector</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Upper Diameter</td>
<td>SPAIN (BALEARES)</td>
<td>40.00</td>
<td>XXX.004</td>
<td>72,110</td>
<td>ARSO 72 TYPE 04, ARSO LA 110 TYPE 04</td>
</tr>
<tr>
<td></td>
<td>Lower Diameter</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Height</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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
- 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 access
- 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
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.