




Ori-Collector Sampler Device for Milking Robot

29 May 2013
Aarhus, Icar 2013



FRANCE
CONSEIL ÉLEVAGE

Donner du sens à la mesure

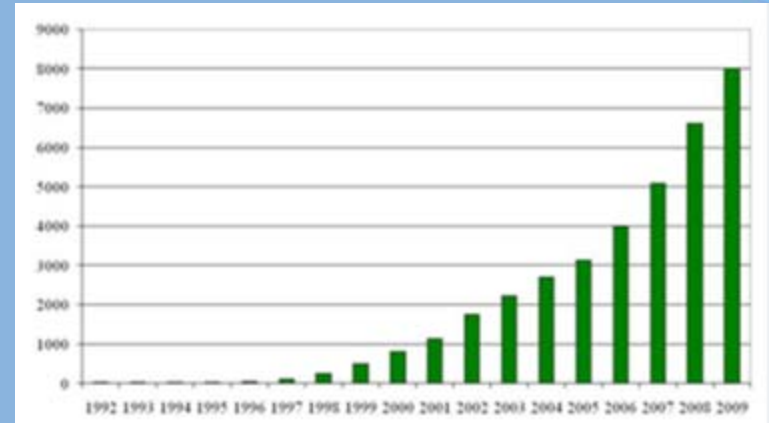
 **Ori-collector,**
Universal sampler device
for Roboting Milking
developed by FCEL/Sayca



- ❑ Background
- ❑ Manufacturer Sayca
- ❑ Project FCEL/SAYCA
- ❑ Test Icar
- ❑ Ori-Collector in France

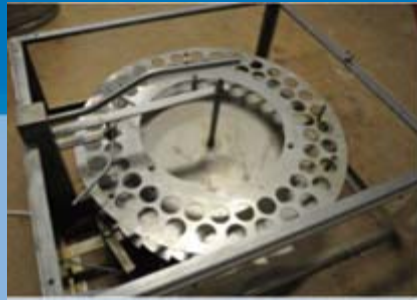


- Level of sales for robot
 - on 2011 (950 Box)
 - On 2012 (1100 Box)



- Issue: Management many samplers ?
Shuttle A, VMX, GEA suitcase,...
- Reliability: a few questions....
- Maintenance: not easy
- Price : No stable and expensive





- SAYCA, Spanish manufacturer has developed his own sampler. (Dealer for Insentec, 50 robots in Spain)
- Objective: develop a sampler device for the robot Insentec
- Model: Rotation system very simple
Capacity : 60 samples
Live connection on the receiving vessel
Suitable for Lely, Packo FullWood, Boumatic, Sac



Test in France on Merlin Robot in August 2011








-  **Test Conclusion:**
 -  Result is fine
 -  Easy to use
 -  Few moving parts
 -  Weight:

Tableau 2 : poids de quelques échantillonneurs robot

Modèle	Poids (kg)
SAYCA	17,8
Shuttle B, Lely	19,4
Shuttle, Lely	22
Valise Mlone, GEA	24
VMX (+ caisse de transport), Delaval	34,6





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Some pictures.....



Dosing system



Transportation



Conexion



Rotary



- DeLaval : VMS
- Test in Sweden and France
- Current Adaptation in France.
- Next step: ICAR Test in few months



- GEA: Mlone
Adaptation Kit FCEL/Sayca
Test in Germany
Test in France, current adaptation
- Next step : ICAR Test in few month



- 100 Ori-Collector's are used
- In the field
 - Transport and installation OK
 - Loading Bottle OK
 - Filling and Rotation OK
 - Disassembly OK
 - Cleaning OK





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Thanks for your attention

