



IUL

XVIII MRAMA Workshop

26<sup>th</sup> November 2019



## GENERAL COMPANY INFORMATION

- Founded in 1987
- Design, manufacturing and commercialization of instruments.
- Microbiology lab instruments – Core Business.
- Family owned.
- 32 employees.
- Strong investment in R&D.
- Export 90-95% of the turnover.
- 50% of sales to Japan, USA, and Germany



## MARKETS

- Industry: Microbiology QC instruments for Food, Cosmetics, and Pharmaceutical.
- Veterinary: Our technology helps increase fertility and prolificacy rates in Sow farms.
- OEM: Lateral flow readers for IVD (medical and veterinary), gravimetric diluters.



## MICROBIOLOGY

- IUL provides instruments for a more comfortable, reliable and safe microbiological control for the industry.

## 01 Sample Preparation



**Pinch Dilutor**  
Dilution



**Smart Dilutor**



**Masticator**  
Homogenization



**Petri Labeler**  
Petri Plates Labelling

## 02 Innoculation



**Eddy Jet 2W**  
Innoculation



**Bio Dilutor**  
Serial Dilution

## 03 Colonies & Halos



**SphereFlash®**  
Automatic Colony Counter



**DOT**  
Manual Colony Counter



**Halos Caliper**  
Zone Reading



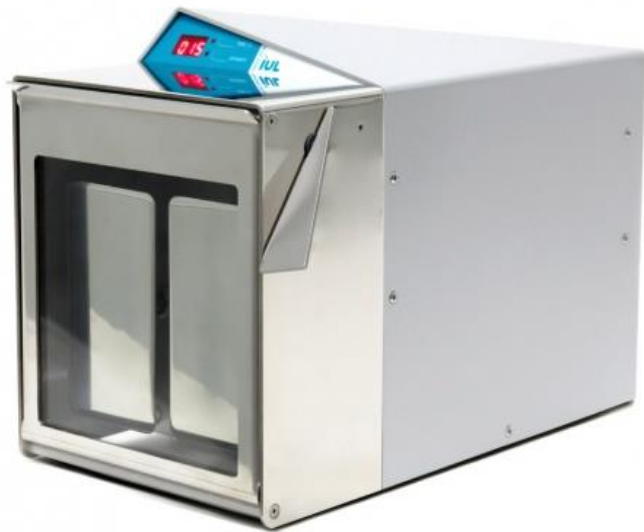
## Pinch Dilutor – Gravimetric Diluter

1. Simple and Efficient
2. Weight resolution 0.1g
3. Maximum total weight 2000g
4. Dilution ratio 1:2 to 1:50, default 1:10
5. Dilution inaccuracy <0,2g
6. Delivery speed 550ml/min



## Smart Dilutor – Gravimetric Diluter

1. Quick, precise and traceable.
2. Weight resolution 0.01g
3. Maximum total weight 2400g
4. Media bags and bottles
5. Up to 6 pumps
6. Dilution inaccuracy <1%
7. Delivery speed 950ml/min



## Masticator– Paddle blenders

1. Safe, efficient and durable.
2. 80ml, 400ml and 3500ml bags.
3. Strokes second: From 5 to 8.
4. Timer
5. Panoramic





## Petri Labeler – Preprinted Labels Sticker



1. Traceability.
2. Less than 2 seconds per plate.



## EddyJet 2W– Spiral Plater

1. Sterility : Disposable microsyringe technology
2. Simplicity
3. Spiral plating is fully validated, plus time and consumables saving
4. 30s for a full cycle
5. 25 spread modes



## DOT– Manual Colony Counter

1. Counter.
2. Magnifying glass.
3. Lighting.
4. Connectivity with automatic colony counter.



## Haloes caliper– Inhibition zone measurement

1. Magnification : x2,25
2. Measuring range 0-35mm
3. 100  $\mu\text{m}$  resolution
4. No parallax error



## Sphere Flash – Colony Counter

1. Fully automatic
2. CFR 21 part 11 compliant
3. Reflections free illumination
4. Report generation
5. Methods edition



## Spin air – Air Sampling

1. Unrivalled spin Technology
2. Sampling ease
3. Regulatory compliance USP 797&1116
4. 100l/min flow
5. 8 hours full charge
6. Total sampled volume 10-9900 l



## Poly stainer– Slide Stainer

1. 20 slides
2. 4 reagent baths
3. Dryer – 80Pa
4. Rinser