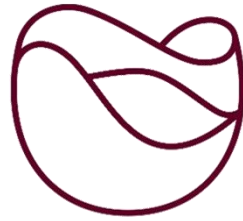


VINVENTIONS

Wine Quality Solutions

Innovative analyzers, equipment and services designed to provide real-time wine quality control





VINVENTIONS

Master of Bottling



The only certification for bottling gas management



✓ **Mission**

- Setting up best bottling practices thanks to a customized cycle of audits and staff training

✓ **Goals**

- Obtaining the « **Master of Bottling** » certification only provided to proven best in class performance facilities
- Maintaining high performance levels by following provided procedures

✓ **To go further**

- Benefiting of the whole Vinventions's expertise:
 - Complete wine closure solutions, enological performance expert (closure oxygen ingress)
 - Gas management expert
 - Full range of analyzers and equipment to monitor wine quality

Certification stages



VINVENTIONS

First evaluation: audit 1

- * First assessment based on the Master of Bottling table analysis : identifying critical points
- * Recommendation and corrective actions to put in place



Training

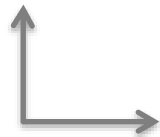
- * Operators training
- * Definition of KPIs (key performance indicators)
- * Full quality documentation provided



Certification : audit 2

- * Certification (1 year availability): WQS standards are reached
- * Rating system describing the level of performance acquired for each item analyzed

Year N+1



Certification renewal



The only certification for bottling gas management

✓ Competitive advantages

- Analysis methodology based on 10 years of gas management research and more than 100 performed audits
- Both mechanical and gas management controls
- Theoretical and practical training of operators to reach optimal long-lasting bottling performances
- Integration of the Master of Bottling control plans in the Company's quality control procedures



Pre bottling:

- Overall cleanliness
- State of bottling equipment

Bottling beginning :

- Line inerting
- Wine recirculation for priming

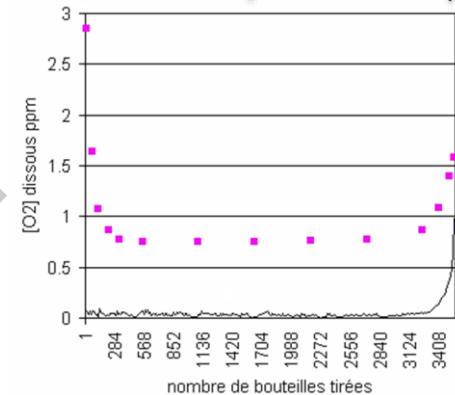
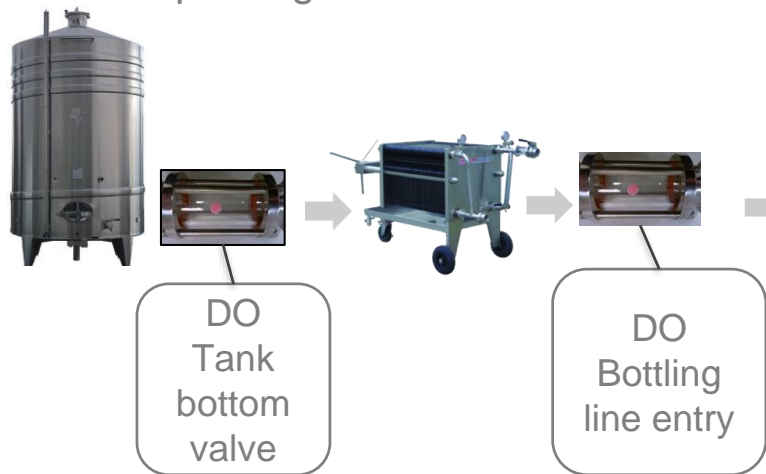
Controls throughout bottling run

Filling/corking heads variability

O₂ and CO₂ measurement at the beginning

TPO measurement in the middle of the run

O₂ and CO₂ measurement at the end



- ✓ O₂ and CO₂ measurement from tank to bottle
- ✓ Sampling at beginning/middle/end of the bottling run
- ✓ Identifying opportunities for improvement
 - Line inerting
 - Line priming
 - Bottling run variations (beginning/end)
 - Critical O₂ pick-up / CO₂ loss points
- ✓ Optimization proposals



➔ Low TPO from beginning to end of bottling



Bottling line conformity

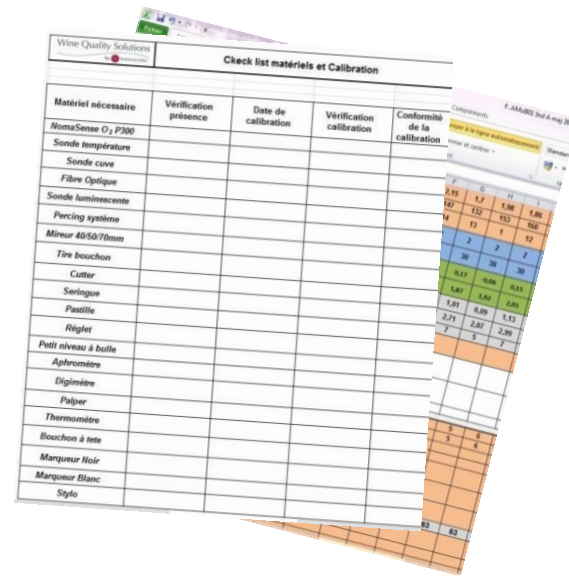
- ✓ Bottling line's mechanical elements:
 - Rinsing/filling/capping
 - Vacuum and inerting systems
- ✓ Identification and resolution of Non Conformities
- ✓ Reviewing maintenance programs



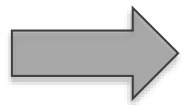
➔ Optimized use of equipment



- ✓ Gas management and gas impact on wine quality parameters
- ✓ On-site equipment training
 - Using Wine Quality Solutions tools
 - Control procedure training
- ✓ Providing full documentation



Matériel nécessaire	Vérification présence	Date de calibration	Vérification calibration	Conformité de la calibration
NomaSense O ₂ P300				
Sonde température				
Sonde cuve				
Fibre Optique				
Sonde luminescente				
Purging système				
Miroir 40/50/70mm				
Tire bouchon				
Cutter				
Seringue				
Pastille				
Riglet				
Petit niveau à bulle				
Aphométre				
Épigimétre				
Palper				
Thermomètre				
Bouchon à test				
Marqueur Noir				
Marqueur Blanc				
Stylo				



Best in class bottling practices

The only certification for bottling gas management

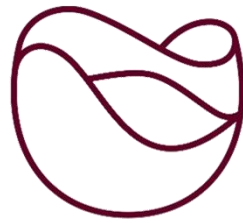
Product benefits

- ✓ Better bottle to bottle consistency
- ✓ Improved shelf-life for all wines lines and brands
- ✓ Value added and differentiation throughout distribution channels

Economical benefits

- ✓ No market losses due to aroma or color deviance
- ✓ Better management of inerting procedures
- ✓ Possibility to adjust SO₂ levels





VINVENTIONS

Thank you!



NOMACORC



SYNTEK



OHLINGER



Alplast



VIN
TOP



WINE QUALITY
SOLUTIONS



WINE MARKETING
SOLUTIONS