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GRFL
GRIFOLS
ROBOTIC
FILLING
LINE

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GRIFOLS ROBOTIC FILLING LINE



AUTOMATIC PRODUCTION LINE FOR ASEPTIC LIQUID WITH
SECOND FILLING STOPPERING, SEALING AND LASER EDGING.



MAIN FEATURES

- Modules
 - Filling module with infeed turntable and stopper feeder
 - Oversealer module with cap feeder
 - Outfeed conveyor with laser marker
- Multiple formats: All formats
- Nominal throughput up to 60 vials/min (for protein solution filling)
- 6 axes robotic arms for filling and stoppering operations (ISO class 2 room compatible)
- 100% vial tare and gross weight check
- Double head peristaltic pumps, designed by Grifols Engineering
- Minimum low fill rejects through: Second fill option
- Maximum product yield through: Low limit fill algorithm with fill set point dynamically adjusted to lower fill limit
- 100% stopper inspection by integrated vision system
- Minimum no stopper rejects through: Second stoppering option
- Enhanced safety concept with integrated safety light curtain and floor laser scanner
- RABS concept: filler integrated in clean room with horizontal laminar air flow
- Minimum change over times: Filler and Oversealer with automatic adjustments
- Minimum operational risk: no use of pneumatic actuators in Class A
- Compatible with SCADA and RMARS systems
- CE or UL certification
- Complete documentation: DQ/IQ/OQ
- IPA, sporicidal agents and VHP decontamination compatible





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ENGINEERING

PROJECT MANAGEMENT
BIOTECH PROCESSES
GENERAL PROCESSES
IV SOLUTIONS PLANTS

MACHINERY

TAILOR-MADE SOLUTIONS
PHARMACEUTICAL ROBOTICS
STANDARDIZED PROCESSES

CONSULTING

ANALYSIS OF REGULATORY REQUIREMENTS
TECHNICAL STUDIES
TECHNICAL TRAINING

SERVICE

ROUTINE MAINTENANCE
EQUIPMENT OVERHAUL
SPARE PARTS



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