



AUTOMATION FOR THE DIAGNOSTICS INDUSTRY

- FILLING SYSTEMS FOR PETRI DISHES, TUBES & BOTTLES
- MEDIA PREPARATION & STERILIZATION
- PACKAGING SYSTEMS
- COMPLETE DIAGNOSTICS PRODUCTION SYSTEMS

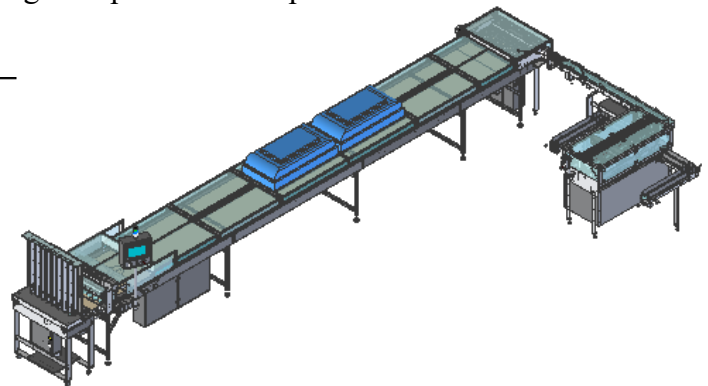
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IQ-HSL Petri Dish Filling System

The IQ Designs HSL Petri Dish Filling System is for any prepared media producer who wants to maximize productivity in their clean room space. This well established design with a constant production rate of up to 15,000 plates filled per hour can meet, and exceed, quotas while driving down production costs. Its efficient design fills all standard petri dish types and dries them with lids completely off. Because the IQ-HSL series was designed for high dish density it allows floor space savings of up to 50% compared to other manufacturers!

System Highlights

- Compact footprint
- Significantly increase production capacity within existing cleanroom space
- Tool-free changeover between dish types
- 100% open lid drying
- Universal dish production



Standard Features

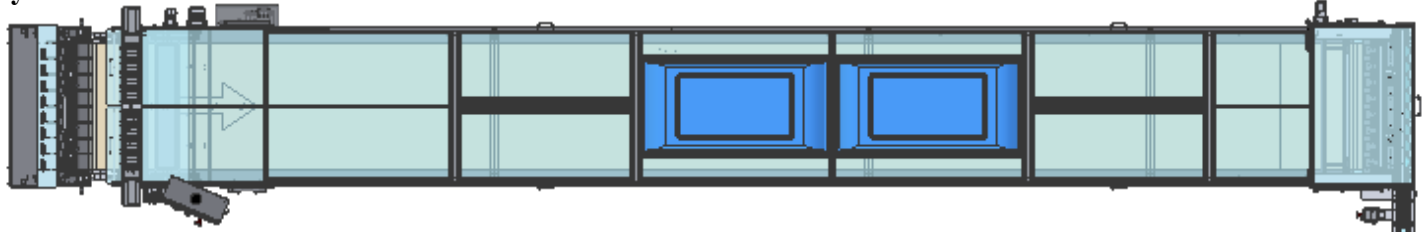
- 90mm mono production capabilities
- Easily upgraded for filling other dish types including 55mm, contact, 90mm bi-plate
- Easy loading & unloading of petri dishes
- Meniscus generation for smooth and level media production
- Main peristaltic pump system – two separately controlled pump units
- Additive peristaltic pump included
- Automatic pump calibration function
- Automatic belt tracking
- HEPA drying tunnel
- Print station ready for addition of printer (printer not included)
- Lighted inspection station
- Multiple output configurations to fit in your clean room
- Siemens PLC & touchscreen controls
- Lane disable function
- Dish status tracking
- Designed & manufactured in the USA
- Around the clock customer support
- IQ/OQ documentation included
- CE marked

Upgrades Available

- Bulk dish loading
- Nozzle heater
- Individual pump control
- Rotary edge printing
- Automatic dish rejection station
- Packaging machine integration (see the IQ-FLO Flow Wrapping Machine)
- Custom design

IQ-HSL Petri Dish Filling Systems have the capabilities you need to get production going - and going fast!

System Information

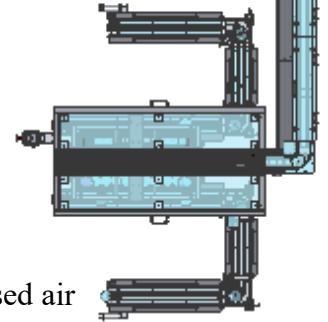


**Machine shown: HSL 8-Lane
Right Hand “J” Layout**

Machine speed in units per hour

HSL Lane Count	Length	55mm	Contact	90mm Mono	90mm Bi
4	9.3m	6,000	5,000	6,000	4,000
8	9.3m	12,000	10,000	12,000	8,000
10	9.3m	15,000	12,500	15,000	10,000

Service Requirements: 120/240 VAC, 50/60 Hz; 80 PSI clean non-lubricated compressed air



Sizing up the competition

Our innovative base on lid drying configuration allows tight row spacing while allowing a completely open dish. Comparing our popular HSL machine to competitors shows our space-saving footprint.

Machine Model	55mm	Contact	90mm Mono	90mm Bi
IQ-HSL, 8-Lane	12,000	10,000	12,000	8,000
Competitor 1, 8-Lane	9,600	9,600	9,600	9,600
Competitor 2, 8-Lane	8,000	8,000	8,000	8,000

Comparison estimates normalized to three minute dry time, 100% open lid. Speed comparison based on 90mm dish size.

Footprint Comparison

IQ-HSL 8-Lane, 9.4m²

Competitor 1, 8-Lane, 10.1m²

25% Slower
28% Longer
14% Larger

Competitor 2, 8-Lane, 27.5m²

33% Slower
25% Longer
212% Larger