



IQ Designs, Inc.

IQ Designs, Inc. offers Diagnostic and Prepared Media Companies of all sizes, worldwide, the opportunity to streamline their production systems with today's cutting edge automation and technology, coupled with top notch service!

IQ Designs, Inc. is an engineering and manufacturing company that specializes in the automating of production filling processes in the diagnostic prepared media industry. We empower diagnostic companies every day through innovation, collaboration, hard work and imagination. Our company principles are centered around customer service, customized solutions, high quality, efficiency and experience.

IQ Designs manufactures diverse automation systems for the diagnostic and prepared media industry. The systems we manufacture range from Petri Dish Filling Systems, Flow Wrapping Systems, Test Tube Filling Systems, Dip Slide Filling Systems, Bottle Filling Systems, and others up to and including Custom Automation Systems.

Petri Dish Filling Systems

IQ Designs manufactures petri dish filling systems that have production ranges from 12,000+ units per hour down to 800 units per hour. The petri dish filling systems are high output, very robust and durable, easy to use and efficient in both production and clean room floor space. Our systems feature the most compact and efficient foot prints in the world. On average, our petri dish filling systems are 40% more compact than other manufacturers. They also feature the ability to run multiple dish types, integrate with packaging systems and more.



The IQ-M2000 Petri Dish Filling System can run multiple dish types. By changing out a few "Change Parts" you can switch from one dish type to another, in less than 10 minutes!



Whether you are an experienced media producer or new to media production, IQ Designs has you covered with our very popular 3-lane filling systems. The IQ-M2000 Petri Dish Filling System and IQ-M800 Petri Dish Filling Systems are compact 3-lane filling systems that come standard for filling 90 mm mono and 90 mm bi-plates. These feature compact designs, high production, multi-cavity dish filling and the versatility for running other dish types. We offer other value added options too such as nozzle heating, rotary edge printing and packaging system integration.



The IQ Designs Petri Dish filling systems feature additive peristaltic pumps as standard equipment.

Need more production, but limited on space? No problem. IQ Designs has the answer. We offer two options for 6-lane filling systems; the IQ-M4000 Petri Dish Filling System and the IQ-M6000 Petri Dish Filling System. Each of them comes standard for filling 90 mm mono plates and 90 mm bi-plates. The IQ-M4000 Petri Dish Filling System is ideal for high output in a more compact space. At only 6 meters long, it produces 4,000 plates filled per hour. The IQ-M6000 Petri Dish Filling System gives you 6,000 plates filled per hour and is only 8.5 meters long. Both of these 6-lane filling systems offer many standard features like: compact designs, high production, multi-cavity dish type filling and the versatility for adding other dish types. Again, we offer other value added options such as: nozzle heating, rotary edge printing and packaging system integration.

Test Tube Filling Systems

Another popular product that IQ Designs has developed are test tube fillers. IQ Designs has several automation choices to solve these production needs. The IQ-TRX Test Tube Filling System series offers choices for test tube and/or vial filling from 2,400 uph down to 500 uph. We offer two standard choices for filling tubes and vials: The IQ-TRX Standard Test Tube Filling System and the IQ-TRX Lay Back Test Tube Filling System.

The standard tube filler has a production rate from 1,800 to 2,400 uph. The standard filling system is ideal for both rounded bottom or flat bottom tubes and vials. It comes standard with a gravity fed bulk loading station that feeds into the main filling starwheel. Once the tubes are in the main starwheel this system features dual stations for pre-gassing, fluid filling, pre-capping, electronic cap torquing (with electronic feed back for torque

The IQ-TRX Lay Back Test Tube Filling System is an efficient, compact footprint and features a high output per hour. It's easy to operate and maintain and offers lots of options for filling multiple tube and or vial types.



verification) and an output conveyor with accumulation station at the end. It can also be upgraded to print directly on the side of the tube, or label the tube. If you need automated racking, we can automatically place finished tubes into the racks of your choice.

The lay back tube/vial filler is more compact than the standard filler and can also fill rounded bottom and flat bottom tubes. It has a production rate from 1,500 up to 2,200 uph. It

comes standard with a gravity fed bulk loading station for the empty tubes, single station filling, cap starting, electronic cap torquing (with electronic feed back for torque verification) and rail holding output area for manual removal of the finished product. It can also be upgraded to print directly on the side of the tube, or label the tube. If you need automated racking, we can automatically place finished tubes into the racks of your choice.



The IQ-TRX Standard Test Tube Filling System fills up to 2,400 tubes per hour. It's efficient and robust design maximizes every station's output per hour. It's easy to operate and maintain making the return on investment very fast, just like its production speed!

Petri Dish Filling Systems



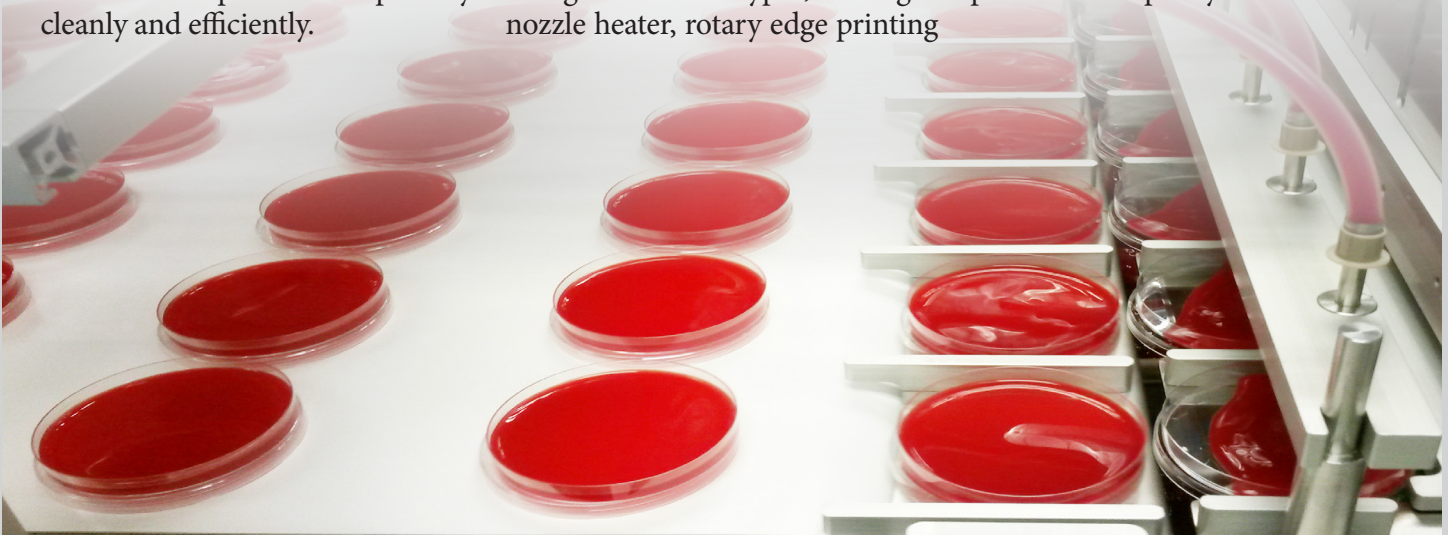
When very high output per hour is required, IQ Designs offers two models of 8-lane filling systems. The IQ-HSL High Speed Petri Dish Filling System has 8-lanes and specializes in the filling of 90 mm mono plates up to 12,000 plates per hour. This filling system is for serious producers that need tens of thousands of plates filled per day cleanly and efficiently.

If you need high output and a variety of dish type filling capabilities, we have another solution. The IQ-M8000 Petri Dish Filling System offers high output and is just 8.5 meters long. It comes standard for filling 90 mm mono and 90 mm bi-plates.

There are also great options for filling other dish types, adding a nozzle heater, rotary edge printing

and packaging system integration.

Like our other petri dish filling systems, these two 8-lane systems are very popular with the world's leading diagnostic prepared media production companies due to their excellent production rates, high production yields, and superior floor space efficiency at high production capacity.



System Model	Footprint		Production Rate - Petri Dishes (UPH)	
	Length (M)	Width (M)	Lanes	90mm, Contact & 55mm
M800	2.5	1.1	3	800
M2000	5.5	1.7	3	2,000
M4000	6.1	2.4	6	4,000
M6000	8.5	2.4	6	6,000
M8000	8.5	2.6	8	8,000
HSL	9.2	3.4	8	12,000

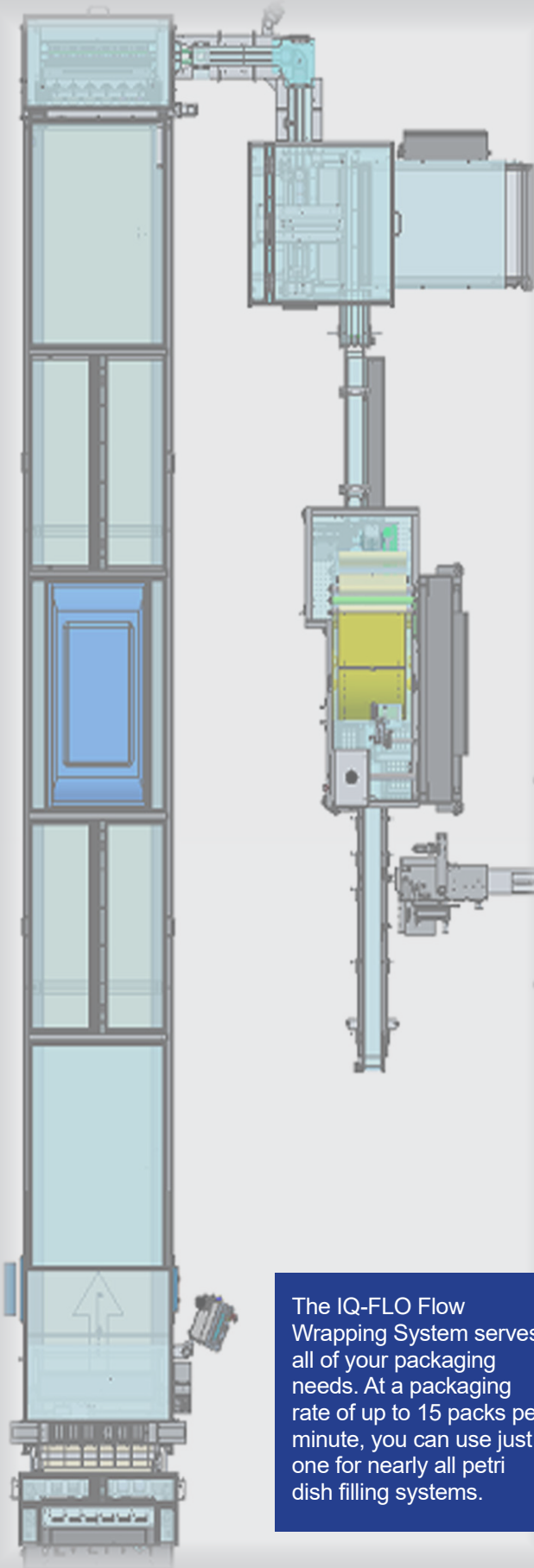
*MX000 Models accommodate larger dishes such as 120mm Square and 150mm Round
 *Compared to our competitors, our systems are up to 50% smaller, making them the most efficient systems in the world.

Packaging Systems

The IQ Designs IQ-FLO Flow Wrapping System is the best option for packaging finished product. Known in the industry as a “Turn-Key System”, the integration of our petri dish filling systems with our flow wrapping systems is very popular. The IQ-FLO can be integrated with all of the petri dish filling systems we manufacture, so no matter what your need is, we have you covered. We also integrate our flow wrappers with petri dish filling equipment manufactured by other companies.

The flow wrapping systems can also be used as a stand alone packaging system for manual packaging. The flow wrapping systems can come ready to package in either 2x5 in-line packages -OR- 1x10 single stack packages. Simply let us know which one you require when you order your system.

The flow wrapper comes standard for use with a wide range of flat film for packaging. The most common films that can be used on the flow wrapper are: PET, Cellophane, PE, Nylon and OPP. Let us know which film type you want when you order and we take care of the rest. We also offer other options on the flow wrapper such as: manual insertion double packaging, manual insertion triple packaging, desiccant packet insertion station, radiation sticker application station, print and apply labeling station and integration for one, two or three flow wrappers in line for automatically double and/or triple packaging. Since we do all of our own design and engineering, we can easily integrate the filling system(s) and flow wrapping system(s) to your project’s specifications and you can rest easy knowing that we take care of everything from start to finish.



The IQ-FLO Flow Wrapping System serves all of your packaging needs. At a packaging rate of up to 15 packs per minute, you can use just one for nearly all petri dish filling systems.





IQ Designs, Inc.

Why choose *iq*?

Quality Designs

- Functional, Simple Solutions
- User Friendly, Customized Interface
- High Output, Compact Footprint
- Flexible, Customized Designs

Customer Service

- Quick Response
- Fast Turnaround on Parts
- Technical Assistance 24/7/365
- Available via: Phone, Mobile Phone, E-mail, Skype, Viber & Whats-App

IQ Designs, Inc. was founded by two brothers, Robert and Daniel Giles, in 2006. The brothers already had experience with automation equipment in the diagnostic prepared media industry and knew there were many needs not being met to keep up with the changes that were being made in the industry.

They had spoken to business owners, managers, and system operators over the years and could see that innovation and customer service were the keys to unlocking and implementing new ideas.

IQ Designs, Incorporated was born!

Since our inception, we have been busy day and night gathering information, listening and coming up with new and creative ways to solve both simple and complicated problems for our clientele. One of the main problems our clients had/have is sizing their clean rooms. The clean room is a key component for any prepared media operation and space in it is expensive. Because of this the brothers knew that they had to come up with a totally new way to make petri dish filling systems. Gone were the days of long bulky, inefficient, hard to operate (and maintain) petri dish fillers. What the owners and managers wanted were more efficient, compact, easy to use and maintain petri dish fillers. IQ Designs answered these requests and after years of planning, designing, and engineering, the IQ-MX000 Petri Dish Filing System series of petri dish fillers was born!

**For more information, please visit our website at www.iqdesignsusa.com
or email Matt.Miotke@iqdesignsusa.com or Rob.Giles@iqdesignsusa.com**

1-906-341-1040

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