ximaging汇像

400-880-1586

XImaging

LabMasterX Series

Let the scientist incarnate to the artist !

XImaging

XImaging is an artificial intelligence company which bases on robotics and robot visual identification as a core technology. XImaging devotes to intelligent laboratory automatic system and solution for life science, pharmaceutical, clinical diagnosis and testing industries. XImaging originated from AI and SciX and it also has the artistic conception that science beauty is achieved by AI.XImaging is a global leader of AI robot scientist. XImaging is also one of the earliest company which commercialize the robot scientist from theory concept into the reality.

XImaging has established AI and Digital Product R&D Center, Automatic Product R&D Center, Applied Product R&D Center and solutions. XImaging can supply full service to customers from technology, products and solutions .

XImaging owns the value of simplicity, honest, altruism and open mind of innovation, concentration, win-win. XImaging devotes to establish the symbiosis and prosperity of cooperative partner system with customers. XImaging insists on original aspiration and mission that science beauty is achieved by AI. XImaging devotes to a great company which has social responsibilities and can be trusted by cooperators and customers.

XImaging AI scientist will go into every laboratory to assist the scientist to accomplish different kind of scientific research activities such as pharmaceutical research, biological manufacture, energy chemicals and disease diagnosis etc. XImaging will promote the development of knowledge visualizaton and innovation intelligentization. XImaging will energize the development of global science and technology, science industry.

Our Mission

XImaging will be the global leading supplier of life science automation and intelligent solution. XImaging wishes everyone can enjoy a healthy, safe and high quality life in the world. XImaging promises to supply high standard technologies, products and services to the world.

High-tech Enterprise

SMEs

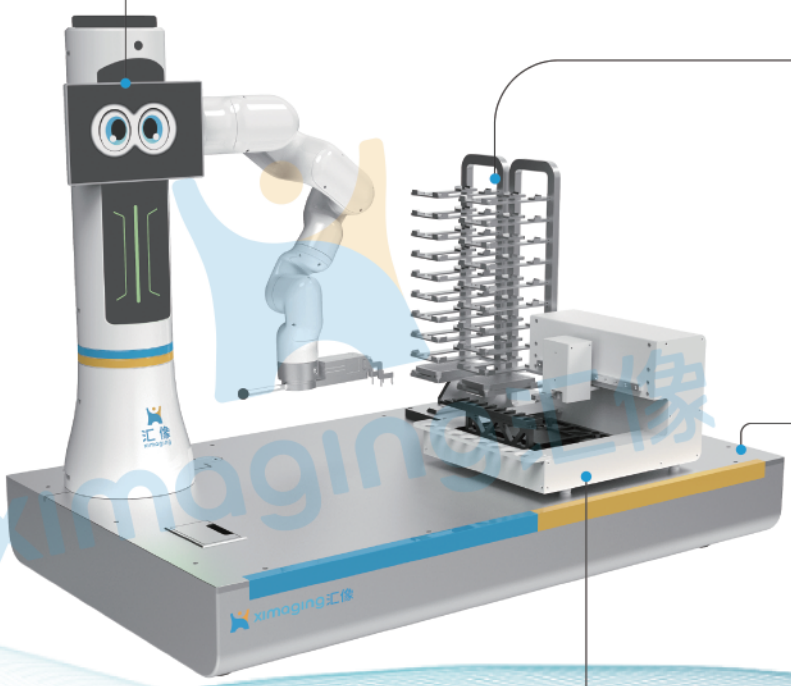
Customer's Trust

XImaging LabMasterX Series

The core of XImaging LabMaster Serie is HelenX robot and iMagicOS Lite. The flexible integration of different scientific experimental instruments can not only achieve the simplification, standardization and high throughput of the experimental process, but also achieve the traceability and feedback of the whole process information, truly freeing researchers from repetitive, cumbersome and high-intensity operations.

LabMasterX

A new height of Experimental throughput



LabMaster

HelenX
The Intelligent collaborative robots are designed specifically for laboratory applications, including transferring samples and consumable plates.

Microplate Stacks
It is designed by 3D structure and it can be widely used for sample or consumable plates temporary storage. The compact space can provide 20 plate positions, and different load stacks can be designed according to specific application requirements.

Tabletop
The design of tabletop is easy to deploy and it's no slots and other complex fixed design. The tabletop is easy to clean and maintain.

X

Flexible configuration for scientific instruments
It supports the integration of common automated scientific instruments in the laboratory.

Why LabMasterX

High Throughput / Unattended

The device can accomplish one to over ten hours unattended high throughput after one manual sampling which bases to the storage function of micro stack and automated wheel.

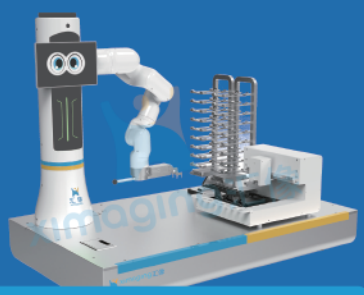
Open / Flexible Combination

Open system platform
It supports the integration with the common scientific instruments. It's suitable for different kind of experiments.

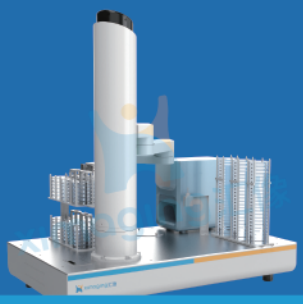
Scalable Application Process

It's flexible to integrate with automatic system. It can be seamlessly linked to most of automatic workstation appears in the market and it can be easily extend the whole experiment process automation.

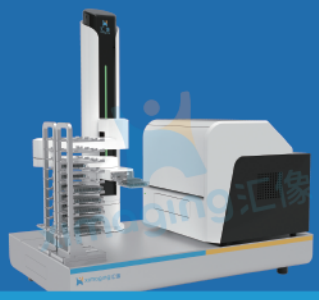
LabMaster + X
Limitless Combination, Surpassing Imagination



LabMasterX SD-2000
High Throughput
Nanoliter Pipetting Master



LabMasterX MC-2000
Intelligent Microbial
Colony Analyzer



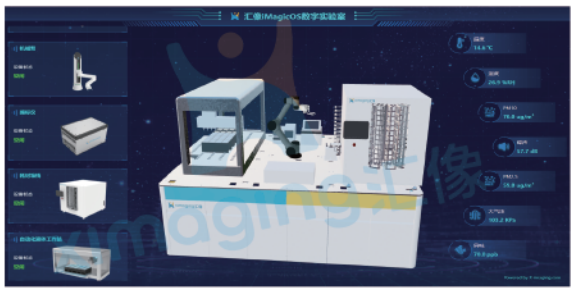
LabMasterX EAT-2000
High Throughput
Enzyme Activity Detector

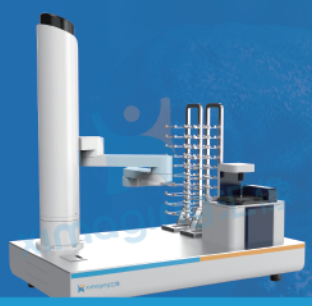
Guided Software Operation

Guided program interface
Intuitive parameter setting interface
It's easy to operate and use.

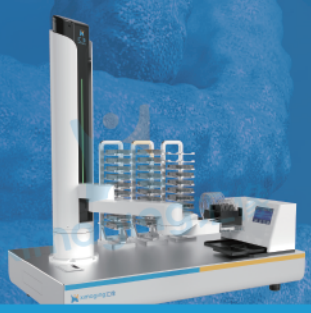
Real-time Remote Monitor

The edited method can be visually simulated by the software.
The operating process can be displayed in real-time. It supports remote surveillance.

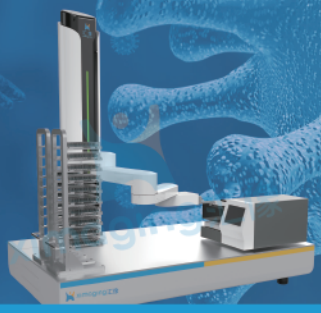




LabMasterX CM-2000
High Throughput
Cell Imaging Master

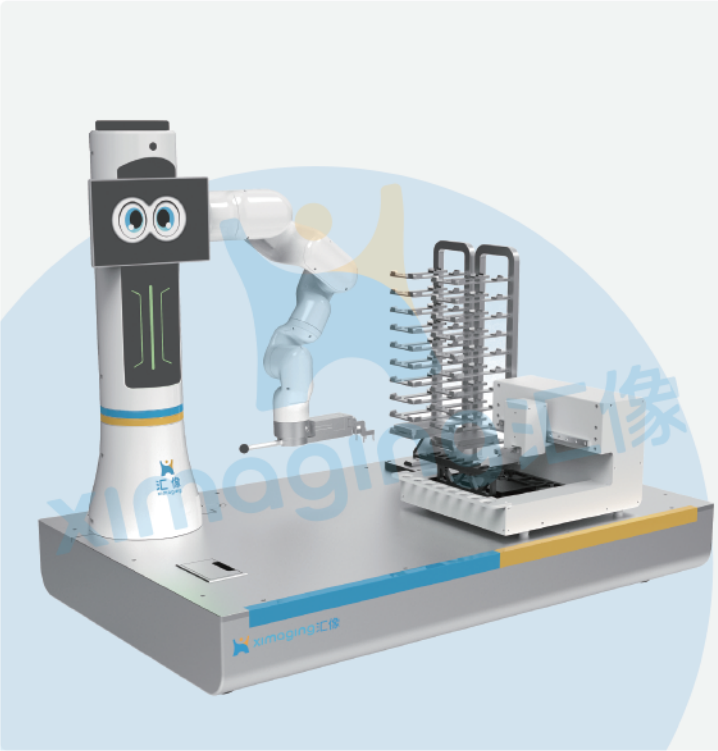


LabMasterX DIS-2000
High Throughput
Fluid Pipetting Master



LabMasterX WS-2000
High Throughput
Microplate Washer

LabMasterX SD-2000
High Throughput Nanoliter Pipetting Master



The core of nanoliter pipetting master is HelenX robot and iMagicOS Lite. It is equipped with one SwiftDrop S1 nanoliter pipetting master and a consumable stack with 20 holders. With the help of the stack temporary storage function and the robot automatic plate transfer function, it can automatically switch various reagents and dispense the liquid into 20 SBS standard 1-1536 well plates by one click.

SwiftDrop S1 Nanoliter Pipetting Master

It takes the microfluidic chip technology, it works stably, accurately and efficiently to dispense various reagents. The technology of automatic reagent switching can be compatible with 8 kinds of reagents for non-contact dispensing at the same time.

Features

- **High Throughput / Unattended**
  The robot can replace the sample plate automatically, and it has capable of dispensing up to 20×1536-well plate. The plate is compatible with SBS standard 1-1536 well plate and deep well plate.
- **Non-contact Flexible Pipetting**
  The dispensing droplets will be distributed into the target plate wells by spraying. It eliminates the possibility of cross contamination and any volume of reagent can be allocated to any hole into the target plate.
- **High Efficiency / Small Dead Volume**
  It only needs 25 seconds to dispense 0.1μl into each well of a 96-well plate. The pipetting tip can be used as source container of reagent and the dead volume is below 6μL.
- **Simple Operation**
  The setup interface of experiment is intuitive and it is easy to operate. It supports to import CSV files to create complex pipetting pattern for a relaxed tour of high-throughput experiment.
- **Flexible and Extensible**
  It can be flexibly integrated with the automation system and seamlessly interconnect with most automatic workstations appear on the market. It can easily expand the automation of the entire experimental process.

Applications

- **Distribution of Drugs**
  It is designed according to the initial concentration of drugs and it automatically calculates the volume of the drug and dispenses liquid to reduce the allocation errors during the sample dispensing process.
- **Analyzing Experiment Development**
  The analyzing experiment can be miniaturized into 1536-well plate. Each hole can be allocated with different volume of 8 reagents.
- **Reaction System Construction**
  The ingredients, which transcriptional response is needed such as RNA transcriptase, NTP, buffer, RNase inhibitor, can be pre-packed into 96/384/1536-well plates to construct transcription reaction system.
- **Synthesis Biology**
  It can be used to rapidly allocate 0.1μL of reagents such as primers, enzymes and reaction buffers into 96/384/1536-well plates.
- **Cell Biology**
  The medium can be dispensed into 96/384/1536-well plates, and organoid or 3d microspheres of Matrigel suspension can also be dispensed.

LabMasterX MC-2000
Intelligent Microbial Colony Analyzer

The core of colony analyzer is HelenX robot and iMagicOS Lite. It is equipped with a colony counter, a code scanning module which can automatically analyze the colonies in various types of agar medium, including pouring method, spreading method, membrane filtration method, cross plate method, etc., to accomplish the characteristics analysis and counting of target colonies, and conduct preliminary screening and classification of plates according to the set rules.

Finally, the results can be analyzed, counted, reviewed, reported, saved and uploaded to the LIMS system according to the requirements.

Colony Counter

The colonies in the plate can be counted and identified according to the methods.

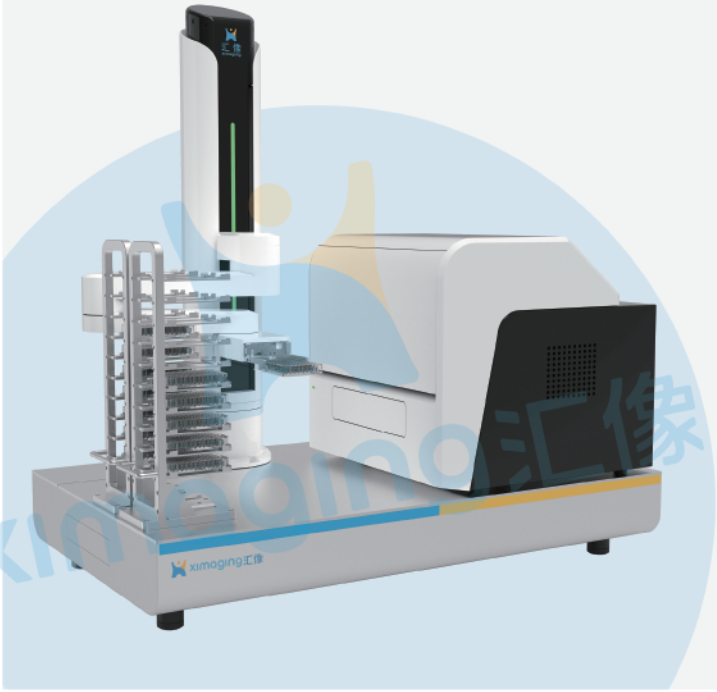
Features

- The accuracy of colony counter will be improved by using experts recognition mechanism.
- It takes automated result analysis to avoid manual deviation.
- It has electronic original records to improve the traceability of records.
- The plate preliminary screening minimizes workload of inspectors.
- The analyzer supports secondary identification and manual review of results.
- It supports unattended automation for twenty-four hours a day.
- It supports automated integration.

Applications

- Pouring Plate Method
- Spreading Plate Method
- Membrane Filtration Method
- Cross Plate Method

LabMasterX EAT-2000
High Throughput Enzyme Activity Master



The core of enzyme activity master is HelenX robot and iMagicOS Lite, it is equipped with 1 enzyme label detector and 20 slots of consumable stack, which can be applied to the scene of high-throughput enzyme labeled instrument. With the help of the stack temporary storage function and the robot automatic plate transfer function, it can meet the high-throughput enzyme activity testing work.

Enzyme Labeled Instrument

It supports various brands of microplate reader on the market, including but not limited to XImaging, Biotek, Thermo Fisher Scientific, MD etc., and it can also be customized to the existing microplate reader in the laboratory.

Features

- **Automatic Detection**

  The robot will be cooperated with the Enzyme Labeled Instrument to complete the transfer of the plate and accomplish the automation of the detection process.

- **Easy Operation**

  It has a clear experiment setting interface and simple operation. It is easy to embark on the high-throughput enzyme biopsy experiment.

- **High Compatibility**

  It supports various brands of Enzyme Labeled Instrument on the market, including but not limited to XImaging, Biotek, Thermo Fisher Scientific, MD etc., and it can also be customized to the existing Enzyme Labeled Instrument in the laboratory.

- **Unattended Laboratory**

  When the laboratory is equipped with the consumable stack, it can achieve ten minutes to over ten hours of unattended after manual sampling.

- **Flexible and Extensible**

  It can be flexibly integrated into the automatic system and seamlessly interconnect with most automatic workstations on the market. It is easily expanding the automation of the entire experimental process.

Applications

- ELISA
- Quantitative Detection of Protein and Nucleic acids
- Cell Viability Detection
- Cell Signaling Assay
- Metabolite Analyzing and Detection

LabMasterX CM-2000
High Throughput Cell Imaging Master

The core of Cell Imaging Master is HelenX robot and iMagicOS Lite, it is equipped with one cell imaging, code scanning module and automated cell incubator (optional). It is compatible with 6-384-well plate which can be set multiple time points to imagine and record cells for several days or even several weeks. Making real-time imaging of high-throughput living cells is a simple matter.

Cell Imaging System

The imaging time can be set according to the experimental requirements and the plate imaging can be automatically completed. The cell growth status in the cell incubation plate can be monitored in real-time.

Scanning Code Module

It can accomplish to scan the QR code of the cell incubation plate and track the whole information.

Automatic Cell Incubator

Optional Equipment: It can provide cell incubation environment, support multiple brands of automatic cell incubators on the market, including but not limited to Cytomat, Liconic, Nexcell, etc.

Features

- **Automatic High-throughput Operation**

  It is unattended and the robot can replace the plate automatically . It is compatible with various brands of cell plates. The operators can set up and run their own experiments independently.

- **Intelligent data analyzing for accurate and reliable results**

  High-performance GPU-driven intelligent learning algorithm, no need to set complex parameters
  The reproducible image analyzing and visual data presentation will bring you more intuitive and accurate data results.

- **It has an intuitive experiment setup interface.**

  It's easy to operate and start. The Guided User Interface makes it simple to start your high-throughput experiment journey.

- **Flexible and Extensible**

  It can be flexibly integrated into the automation system and seamlessly interconnect with most automation workstations on the market. It is easily expanding the automation of the entire experimental process.

Applications

Tumorsphere | Colony Formation | Immuno-oncology | Cell Transfection | Cell Proliferation | Cytotoxic | Wound-healing Assay | Cell Migration

LabMasterX DIS-2000
High Throughput Liquid Pipetting Master

The core of Liquid Pipetting Master is HelenX robot and iMagicOS Lite, it is equipped with a high-speed liquid pipetting system, automatic reagent switching module, and 20 positions of consumable stack, which can meet the high throughput liquid dispensing operation with the help of the stack temporary storage function and the robot automatic plate transferring function.

High speed dispenser

High Throughput Liquid Pipetting Master supports a wide range of pipetting from multiple brands on the market, including but not limited to Vision, Biotek, Thermo Fisher, etc.

Features

- **High Throughput / Unattended**

  The robot can automatically replace the consumable plate, and it is capable of pipetting up to 20 plates. The plate is compatible with SBS standard 96 and 384-well plates.

- **Simple Operation**

  It is an intuitive experiment setup interface and easy to operate. It's simple to start a high-throughput liquid pipetting experiment.

- **Non-contact High Speed Liquid Pipetting**

  The liquid will be dispensed into the target plate by the peristaltic pump. It cost only 10 seconds to dispense 25μl on a 96-well plate. It takes only 20 seconds to distribute 20μl on a 384- well plate.

- **Flexible and Extensible**

  It can be flexibly integrated into the automatic system and seamlessly interconnect with most automation workstations on the market. It's simple expanding the automation of the entire experimental process.

Applications

- High-speed Subpackage of Cells and Medium
- High-speed Subpackage of Various IVD Reagents
- Preinstalled Plate Preparation of Nucleic Acid Extraction Reagent
- PCR System Construction
- ELISA

LabMasterX WS-2000
High Throughput Microplate Washer

The core of Microplate Washer is HelenX robot and iMagicOS Lite, it is equipped with a high-speed liquid pipetting system, automatic reagent switching module, and 20 holders of consumable stack, which can meet the high throughput liquid pipetting operation with the help of the stack temporary storage function and the robot automatic plate transferring function.

Microplate Washer

It supports various brands of Microplate Washer on the market, including but not limited to XImaging, Biotek, Thermo Fisher Scientific, MD, etc., and can also be customized to the existing Microplate Washer in the laboratory.

Features

- **High Throughput / Unattended**
  The robot can automatically transfer the sample plate, which can accomplish the automatic washing plate up to 20.
- **High compatibility**
  It supports various brands of microplate washer on the market, including but not limited to XImaging, Biotek, Thermo Fisher Scientific, MD, etc., and can also be customized to the existing microplate washer in the laboratory.
- **Easy Operation**
  The operator only need to place the sample plate on the consumable plate rack and start with one button to easily start the high-throughput washing experiment.
- **Flexible and Extensible**
  It can be flexibly integrated into the automatic system and seamlessly interconnect with most automatic workstations on the market. It is easily expanding the automation of the entire experimental process.

Applications

- ELISA
- Sample preparation of live cell imaging
- Cell toxicity experiment
- Agglutination experiment

Configuration

Product	Configuration		
	Equipment	Type	Amount
LabMasterX SD-2000 High Throughput Nanoliter Pipetting Master	7-axis Robot	HelenX-7	1
	Nanoliter Pipetting	SwiftDrop S1	1
	Consumable Stack	XHarborH10	2
	Table top	Holon100	1
	Software	iMagicOS Lite	1
LabMasterX EAT-2000 High Throughput Enzyme Activity Master	5-axis Robot	HelenX-5	1
	ELISA	K3Pro	1
	Consumable Stack	XHarborH10	2
	Table top	Holon100	1
	Software	iMagicOS Lite	1
LabMasterX WS-2000 High Throughput Microplate Washer	5-axis Robot	HelenX-5	1
	Plate Washer	XWasher	1
	Consumable Stack	XHarborH10	2
	Table top	Holon100	1
	Software	iMagicOS Lite	1
LabMasterX DIS-2000 High Throughput Liquid Pipetting Master	5-axis Robot	HelenX-5	1
	High Speed Pipetting	XDispenser	1
	Automatic Reagent Switching Module	/	1
	Consumable Stack	XHarborH10	2
	Table top	Holon100	1
	Software	iMagicOS Lite	1
LabMasterX CM-2000 High Throughput Cell Imaging Master	5-axis Robot	HelenX-5	1
	Cell Imaging	AF-100	1
	Consumable Stack	XHarborH10	2
	Table top	Holon100	1
	Software	iMagicOS Lite	1
LabMasterX MC-2000 Intelligent Microbial Colony Analyzing Master	Automated Colony Counter	ICON	1
	5-axis Robot	HelenX-5	1
	Table top	Holon100	1
	Plate Case	/	3
	Software	iMagicOS Lite	1

ximaging汇像

X-Imaging Intelligent Technology (Shanghai) Co.,Ltd.

Shanghai Headquarter

Add: Building A Tanzhu Road Minhang District Shanghai

Mobile: 13817386487

Phone: **400-880-1586**

Website: www.x-imaging.com

Email: marketsh@x-imaging.com

Wechat Official Account

Wechat Video

Website

Technical Support