



## State of the Art Automation made in Asia.

Automation MALAYSIA Company profile.

Automation

MALAYSIA



Automotive/Transportation



Medical Devices



Alternative Energies

### Assembly Automation

- ┌ Breaking systems
- ┌ Door modules
- ┌ Car seats
- ┌ Air conditioning
- ┌ Electronic devices
- ┌ Powertrain
- ┌ Exhaust systems
- ┌ Fuel supply systems
- ┌ Lighting systems
- ┌ Suspension/steering systems

- ┌ Drug Delivery systems/devices
- ┌ Injections
- ┌ Surgicals
- ┌ Non-Surgicals
- ┌ Diagnostics
- ┌ Pharmaceuticals
- ┌ Nuclear medical systems
- ┌ Neurological devices

- ┌ Photovoltaic
- ┌ Fuel cells
- ┌ Wafers
- ┌ Low/high voltage electronics
- ┌ Hybrid technologies
- ┌ Batteries

### Testing Systems

- ┌ Fuel injection systems
- ┌ Fuel high pressure pumps
- ┌ ABS
- ┌ Hose Testing
- ┌ Turbo chargers
- ┌ HVAC Systems
- ┌ Complex Die Casting
- ┌ Air conditioning
- ┌ Rim/Wheel testing

- ┌ Dental implants
- ┌ Medical instruments
- ┌ Bone screws
- ┌ Medical tubes
- ┌ Medical Packaging
- ┌ Cannulas
- ┌ Pressure Gauges

- ┌ Compressors
- ┌ Low/high voltage electronics
- ┌ Battery parts
- ┌ Fuel cells

**ixmation – your partner  
for Assembly and Testing  
Automation.**

ixmation is one of the leading providers worldwide of automated assembly and testing solutions, serving continental and global industry clients. ixmation provides high-quality tailored solutions, with full operations capabilities and service support that covers every need, is available at all ixmation facilities.

# Recognized in six strong industries worldwide. Flexibility and Competence. From ixmation.



Consumer Goods

- └ Power tooth brushes
- └ Power savers
- └ Non-prescriptions
- └ Hand/Power tools
- └ Personal care products
- └ Contact lenses
- └ Hearing aids
- └ Cartridges for inkjet printers



Hydraulic/Pneumatic

- └ Control valves
- └ Tube / Hose assemblies
- └ Actuators
- └ Pumps



Electronics

- └ Circuit breakers
- └ Hard disks
- └ Computer peripherals
- └ Personal communication devices
- └ Industrial controls
- └ Medical device controls
- └ Household electronics
- └ Office electronics

- └ Power tools
- └ Parts for watches

- └ Construction hydraulics
- └ Agriculture hydraulics
- └ Feed pumps
- └ Tube/Hose testing

- └ Circuit boards
- └ USB-Hubs
- └ Flash memories
- └ Sensors, Optoelectronics

**All from one source:  
assembling and testing.  
The ixmation portfolio covers  
the entire production process.**

- └ ixmation provides top-quality service for the benefit of all customers in three continents
- └ Highly economical standards solutions
- └ Tailored, customer-oriented solutions
- └ Optimized build times with 100% monitoring, reliability, quality
- └ High productivity, operating 24/7
- └ A key account team conducts each project



ixmation MALAYSIA is located in Peninsular Malaysia, Penang, Prai Industrial Estate. Its strategic location is approximately 3km away from North South Expressway Bukit Tambun toll, 40km away from Penang Bridge toll and 61km away from Penang International Airport.

ixmation MALAYSIA started its operation in 1988 with the status of License Manufacturing Warehouse. With continuous innovation and commitment to automation industry, former Excel Precision Sdn. Bhd was awarded by the prestigious ISO 9001:2000 certification.

### **Turnkey Solutions and Build To Print**

ixmation MALAYSIA preserves a wide range of engineering design database for various process technologies, such as assembly, testing, material conveying and handling, robotics, filling and dispensing, vision inspection and measurement, winding, soldering, brazing and welding.



### **Leak Detection Systems and Vacuum Components**

With dedicated to researching vacuum technology for many years, Excel specializes in manufacture of custom system for turnkey leak testing that are used in automotive, refrigeration, air conditioning, medical and other industrial production line around the world.



## State of Art made in Asia. By ixmation.

We provide customers complete integrated engineering solutions from conceptual design to operational equipment.

ixmation MALAYSIA, became part of ixmation in 2006, the Automation Systems business unit of Conzeta Holding – a Switzerland based com-

pany. The “ixmation” umbrella brand has now grown into a family to include:

- └ Europe: ixmation AG, Switzerland
- └ USA: ixmation Inc.
- └ Asia: ixmation (Asia) Sdn. Bhd., Malaysia
- └ China: ixmation (Suzhou) Co. Ltd. and ixmation (Tianjin) Co. Ltd.

### Special Purpose Machines

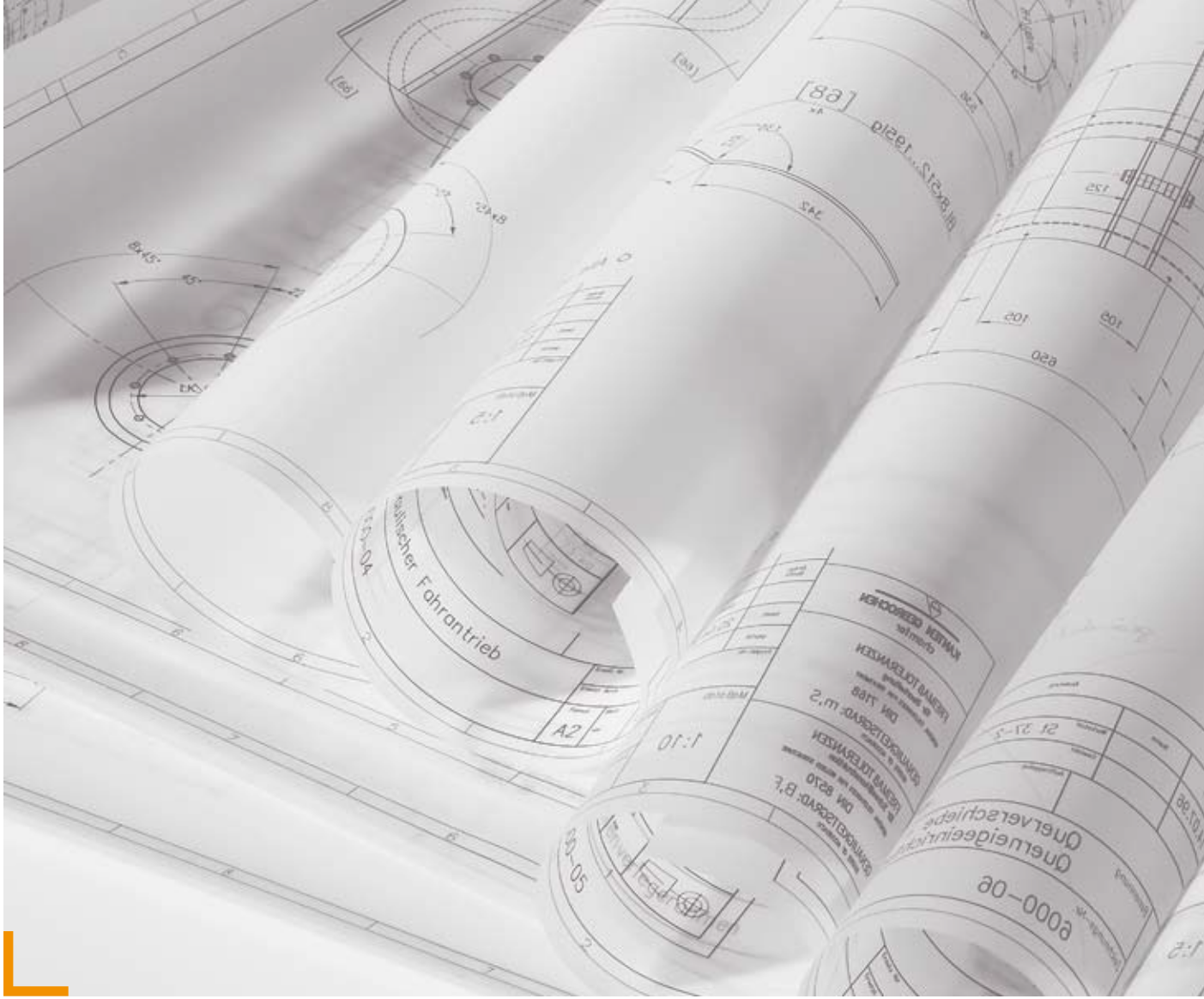
Together with our customer we develop process and assembly engineering. Transform it into optimum automation solution and integrate customer expertise into production and assembly systems.



### Storage Media Process Equipment

With years of research and development in storage media process equipment. ixmation MALAYSIA is well known with its capability to develop equipments for clean room application and technology that can suit up to class 10 environment.





ixmation MALAYSIA Build To Print (BTP) division provides manufacturing solutions, delivers quality products and serve large OEMs. Outsourcing of mass manufacturing is a need of OEMs and their global product expansion as well as margin improvement.

With years of experience across thin-film storage media, automotive and semiconductor industries ixmation MALAYSIA (BTP) has the

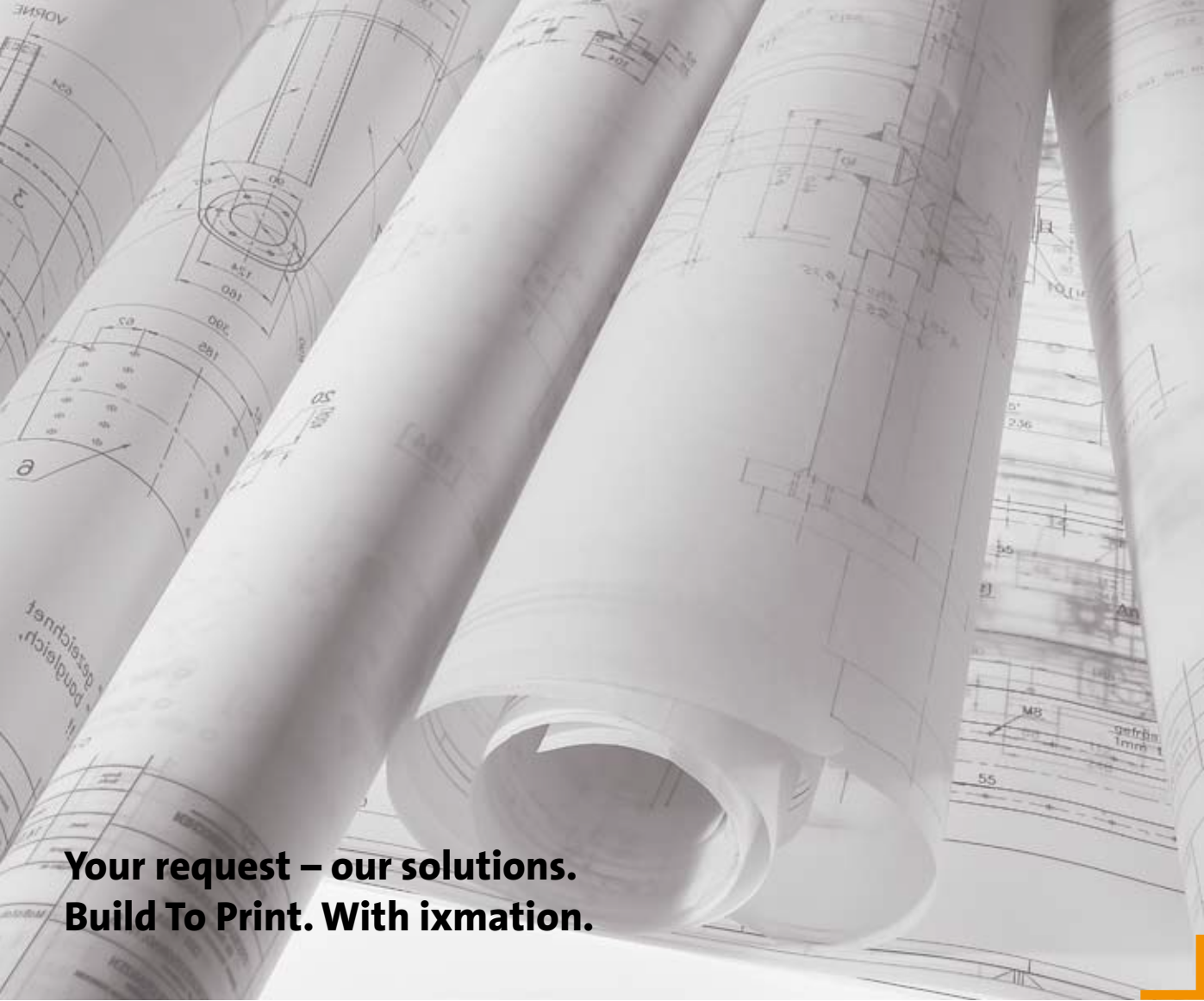
capability and capacity to assemble, integrate sensitive precision electrical and mechanical components.

ixmation MALAYSIA (BTP) is your partner providing nonstop source with equipment or module manufacturing, assembly, design improvement, technical collaboration and project management.

A wide supplier base and world wide partnerships allow a second-sourcing to reduce cost.

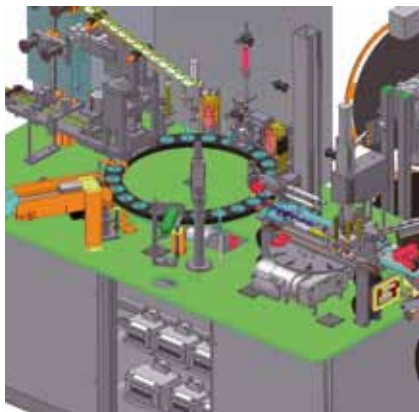
Our customers also benefit from our Licensed Manufacturing Warehouse (LMW) which was awarded by the Malaysian Government to encourage export activities. Several components in the equipment are therefore tax exempted.

Improve your margin and enhance your equipment price complete at the same time, by switching to BTP. ixmation MALAYSIA handles your manufacturing equipment while you focus on your business and markets.



**Your request – our solutions.  
Build To Print. With ixmation.**

- Bill of ownership and management
- Component localization for competitive cost advantages
- Design collaboration for future generation equipment
- Sourcing and supply chain management
- Project and equipment manufacturing management
- Value added equipment pre-shipment – buy-off





We develop process engineering and implement it into the optimum automation solution to integrate it in the expertise customer production systems.

A dedicated contact person will assist and work with the customer throughout the project. Process flow determination, tact time calculation, conceptual design, equipment manufacturing, project planning and management, equipment operation and maintenance training, spare parts and after sales service are our value-added services.

Automation MALAYSIA preserves a wide range of engineering design database for various process technologies, such as assembly, testing, mate-



rial conveying and handling, robotics, filling and dispensing, vision inspection and measurement, winding, soldering, brazing and welding.

Automation MALAYSIA customers enjoy the advantage of accessing our comprehensive expertise, backed by our strong after sales service team with many years of field experience in domestic and international markets.



**All inclusive package.  
Turnkey Automation Solutions. By ixmation.**



Turnkey automation production line incorporated with various assemblies, test, handling and palletizing process.



# For special needs. Special Purpose Machines. By ixmation.

## Equipment for Automotive Air Conditioning System

Aluminum pipes and fittings brazing, fin forming and tube bending machines.



## Special Purpose Precision Machine Technology

Metal block drilling, tapping and chamfering equipment.



## Laser Marking, Ink Marking and Test handler

Inkjet printing, laser marking with test handler and accept/reject sorting.



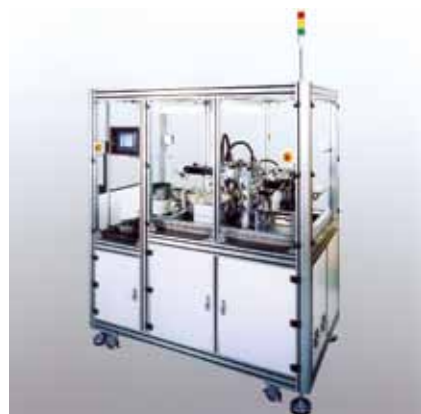
# Storage Media Process Equipment. Archive the future. By ixmation.



**Disc Quality Inspection Machine**  
Specially developed for disc quality checking by color reflection.

With many years of research and development in storage media process equipment ixmation MALAYSIA is well known for its capability to develop equipments for clean room application and technology which suits up to class 10 environment. Materials and components are carefully selected and tested to meet the stringent clean room terms of particle count and contamination guidelines.

**Disc Hub Assembly**  
Assemble disc to hub with an adhesive tape in clean room environment and high precision.

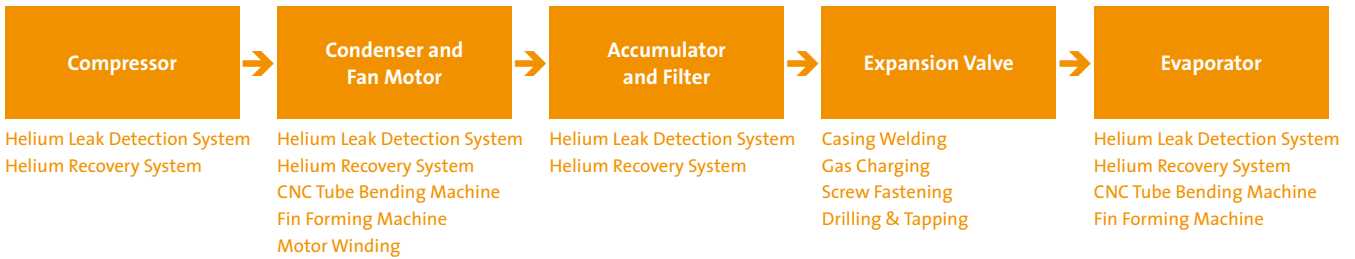


**Disc Polishing & Cleaning Machine**  
This machine is developed for disc polishing process.



**Solvent Dipping Machine**  
Customized for disc dipping process that requires adding a layer of solvent onto the product.





**Test parts**

ixmation testero helium double chamber helium leak detection systems perform leak check on condenser, evaporator, receiver, dryer, compressor, casting parts and etc. The high output of the testing system is based of an integrated conveyor system.

**Test methods**

Air and HLD are the combined common method for gross leak and fine leak tests. ixmation also offers Pressure Decay-Tester, Vacuum Degassing Systems for semiconductor industries and Tube Blockage Detection System for medical and automotive industries. Pressure Fatigue Test Equipment for pipe and hose assembly in automotive industries.

**Experience**

From vast experience in helium mass spectrometers-, vacuum technologies and leak testing equipment ixmation provides technical consulting, engineering production support, after sales and services supporting customers with global projects for industrial HLDS-Systems.



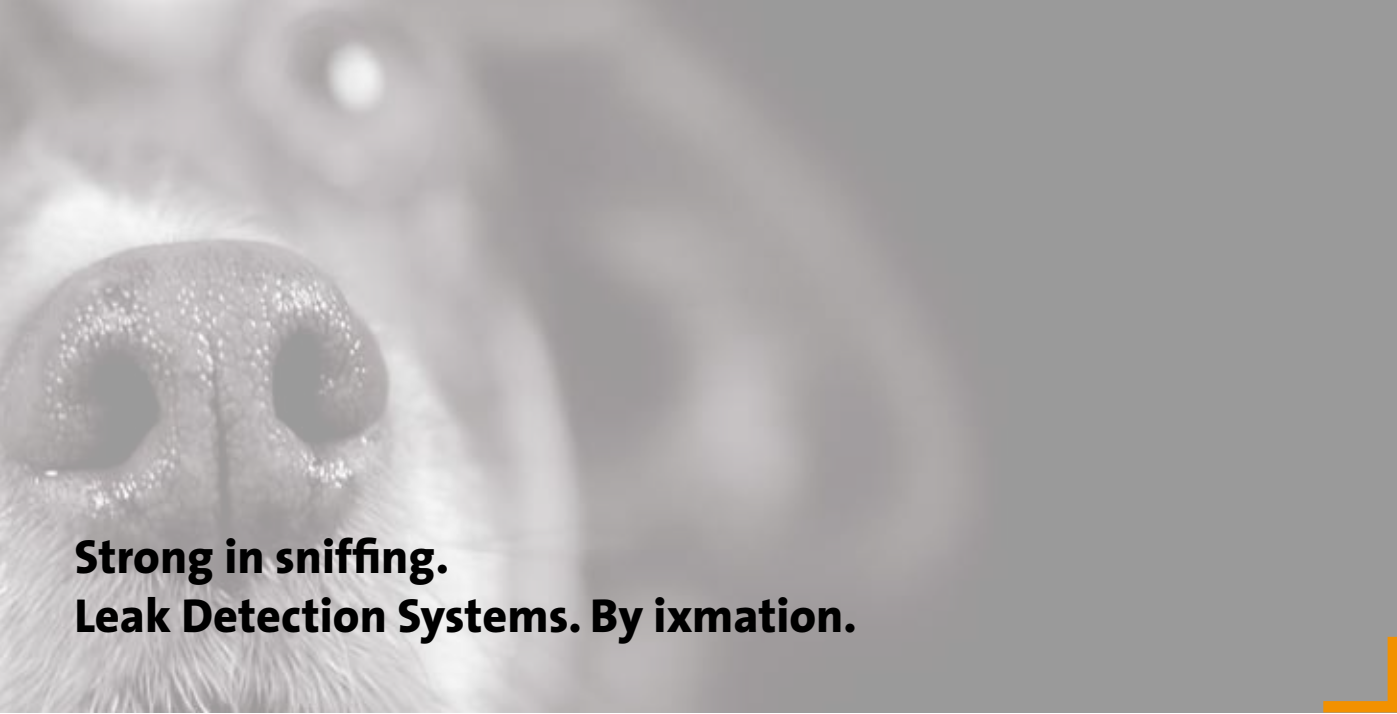
Single Chamber



Double Chamber



Triple Chamber



**Strong in sniffing.  
Leak Detection Systems. By ixmation.**

Test Method		Approximate Leak Detection Ranges													
Helium Leak Test		[Range: 10 <sup>-12</sup> to 10 <sup>0</sup> ]													
Acoustic		[Range: 10 <sup>-3</sup> to 10 <sup>-1</sup> ]													
Bubble Testing		[Range: 10 <sup>-4</sup> to 10 <sup>-1</sup> ]													
Pressure Decay		[Range: 10 <sup>-4</sup> to 10 <sup>-1</sup> ]													
Halogen Sniffer		[Range: 10 <sup>-1</sup> to 10 <sup>0</sup> ]													
		10	10 <sup>0</sup>	10 <sup>-1</sup>	10 <sup>-2</sup>	10 <sup>-3</sup>	10 <sup>-4</sup>	10 <sup>-5</sup>	10 <sup>-6</sup>	10 <sup>-7</sup>	10 <sup>-8</sup>	10 <sup>-9</sup>	10 <sup>-10</sup>	10 <sup>-11</sup>	10 <sup>-12</sup>
<b>Medical</b>	Pacemakers Catheters														
<b>Research</b>	Nuclear Fusion Particle Accelerators														
<b>Aerospace</b>	Engines Antennas														
<b>Electrical</b>	Bulbs Circuit Breakers														
<b>Semi Conductors</b>	Vacuum Systems Gas lines														
<b>Aircraft</b>	Hydraulic Components Wings														
<b>Food Packaging</b>	Blisters														
<b>Automotive</b>	HVAC Units Die Cast Housings														

Leak rate in Atmosphere: cm<sup>3</sup>/second or mbar.l/s



testero helium for small parts



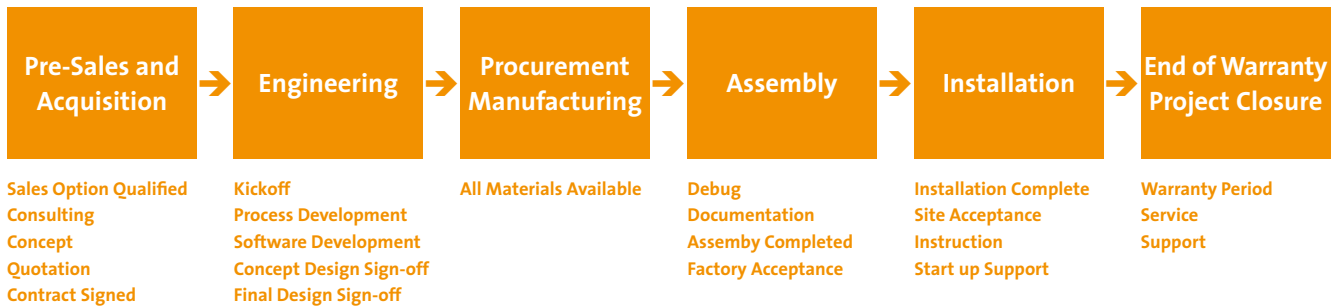
Helium Sniffing System



Helium Recovery System

# Focus on sustained customer satisfaction. Reliable Project and Service Performance. By ixmation.

- └ “Best Practice” and Project Management Process
- └ Assuring consistency across ixmation facilities worldwide
- └ “Stage Gate” tool ensures progression by activity milestones
- └ Online customer service request form



**Regulatory Compliance**  
 NRC TÜV ISO OSHA NEMA GAMP NFPA UL SEMI FDA EPA ESD SEISMIC CE

### Engineering Services.

We specialize in solving problems. ixmation is committed to providing engineering services that offer solutions that are not only financially feasible and structurally sound, but help improve safety, reliability and profitability. ixmation provides high-quality tailored solutions, with full operations capabilities, engineering service and support that covers every need, is available at all ixmation facilities.

### Project Management

ixmation customers benefit from a seasoned automation project manager as their single point of contact. Our global footprint facilitates the coordination of multi-site globally organized projects. ixmation project managers operate within a real-time database, implemented since 1995. This tool provides accurate information to our Project Managers, allowing them to effect informed decisions in real time.

### Project Security

ixmation project security is tailored to your specification. Dedicated project teams work within encrypted/coded programs. From key-card access to hard or soft wall enclosing project build areas, ixmation ensures confidentiality. We know it is paramount, and we can safeguard it through an isolated assembly environment.



# A powerful fusion in automation. Worldwide present. With ixmation.

## conzzeta

Since 2005 ixmation has been an independent business unit of the Conzzeta Group comprised of several companies worldwide.

Conzzeta AG is an industrial holding company that invests in medium-sized companies which occupy leading positions in international niche markets. In all its activities, Conzzeta AG relies on specialization, quality, innovation and sustainable profitability as the key to success. With the interests of customers, employees and shareholders in mind, Conzzeta AG takes holdings and develops the companies within the group with a long-term perspective.

ixmation can be contacted round the clock in all industrialised regions, through representative offices or a dedicated branch.



**USA:**  
ixmation Inc.



**EUROPE:**  
ixmation AG



**MALAYSIA:**  
ixmation (Asia) Sdn.Bhd



**CHINA:**  
ixmation (Suzhou) Co.,Ltd



**CHINA:**  
ixmation (Tianjin) Co.,Ltd



## ixmation

Who is ixmation? ixmation is comprised of several companies worldwide. Each company has specific technologies that complement others within the group. This is an important aspect since the requirements of such a collaboration far exceeds traditional organizations. ixmation companies, with about 400 experts and specialists, have developed protocols that consolidate diverse knowledge into one entity. The ixmation platform is intended to serve new markets as a result.

### Our vision

ixmation, as your professional automation partner, endeavors to be the first place industry leaders call, supporting customers in continental and global markets. Our customers include automotive suppliers, machine tool builders, and manufacturers of medical devices, computers, electronics, and alternative energy sources.

### Our objective

ixmation is qualified to meet our customers high level of expectations regarding quality, precision, productivity and flexibility with custom-made, economical equipment solutions.

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