CATALOGUE

PRODUCT AND SERVICES

RS SIMULATION

RS-SIMULATION ASIA SDN BHD

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Company Profile

RS-Simulation Asia Sdn. Bhd. is a member of RS-Simulatoren GmbH, incorporated in Malaysia since 2003. We supply various types of environmental test chambers with German Technology for reliability testing based on customer requirements under accelerated conditions such as temperature, climate, vibration, solar, dust or thermal shock testing for the industrial sector both locally in Malaysia or international countries.

RS-Simulation Asia Sdn. Bhd. also provide service and support throughout Malaysia as well as the Asia region.

Our services and supports provided are maintenance, testing, calibration, repair, sales and upgrading service for both our test chambers and chambers manufactured by other companies.
Our management team consist of sales and marketing, engineering as well administration and accounting which is big asset comprises of qualification, knowledge and skills to move together in order for a company to reach the goal.

In year 2019, **RS-Simulation Asia Sdn. Bhd.** has accredited calibration laboratory with **MS ISO/IEC 17025:2017 (SAMM 975)** and on-site calibration of climatic test chambers based on method of **DKD-R-5-7**.

Our **3S (sales, service and spare parts)** facility centre is based in Puchong, Selangor, Malaysia to provide maximum support and achieve greater customer satisfaction.

RS-Simulatoren Series

Temperature & Climatic Test Chambers

The Temperature and Climatic Test Chamber is a compact test system with a high level of performance. It is use to create specific and highly controlled temperature and humidity conditions to simulate a real environmental condiditions. The continuos development of the modular system protects your investment for the future. Area of applications are in quality assurance, research and development of components and products asuch as electronics, energy storage, material processing and so on.

RS-Simulatoren Series

Standard Technical Data:

- Temperature Range: -80 °C, -70 °C, -40 °C,.....+100 °C, +180 °C, +250 °C.
- Heating Rate / Cooling Rate: 2 °C/min, 5 °C/min,.....30 °C/min.
- Climatic Range: 1 % to 99 % relative humidity.
- Humidity Range: 10 % to 98 % relative humidity.

Size:

- Standard volume available: 200L, 320L, 600L, 1000L and 1500L.
- Other volumes are available upon customer request.

Design:

- The floor assembly, testing space, door and bearing parts are made of stainless steel.
- Build on a sturdy tubular frame for higher weight loads in the test space.
- The program control based on CAN bus is integrated into the door and allows many opportunities to network with a high operating comfort.
- Protection of the environment through integrated energy management at high powers.
- C-rails on the side walls for the continuous adjustment of shelves.
- Fixing option for test setup.

Optional:

- Wedge implementing
- Rectangle implementing
- Door window
- Deep Drying
- Sound proofing
- Test space adaptation
- Shelf
- Solar simulation
- Explosion protection
- Harmful Gases

C-rails, shelves, lighting

Supporting tubular frame

RS-Simulatoren Series

Temperature & Climatic Walk-In Test Chambers

Temperature and Climatic Walk-In Test Chamber is used to simulate specific climate and temperature environments required for stability testing, accelerated stress testing and conditioning of in-organic materials, biomass, pharmaceuticals and food. They excel in laboratory use with their fast heating and cooling rates as well as excellent distribution, high stability and uniformity of temperature and relative humidity.

RS-Simulatoren Series

Standard Technical Data:

- Temperature Range: -80 °C, -70 °C, -40 °C,..... +100 °C, +180 °C.
- Heating Rate / Cooling Rate: 2 °C/min, 5 °C/min as specified.
- Humidity Range: 10 % to 98 % relative humidity.

Design:

Individual chambers modules, fully assembled in our production are screwed at the site and put into operation. A preliminary examination if the whole chamber and all performance data is already done in our test. Difficult structure of local situations is avoided. The depth of a chamber can increased by an additional element itself at a later time.

Options:

- Special bushings
- Window of different size
- Deep drying
- Soundproofing
- Explosion protection
- Sunlight

Applications:

- Quality assurance
- Research and development in large capacity (oversize) test equipment such as automobile parts, EV battery, storage system, solar panel, etc.

RS-Simulatoren Series

Thermal Shock Tester

The testing chamber type ST2K is the new generation compact testing facility. The feature innovative technology, great flexibility and board area of applications. With these system, it will make solid investment into the future of inspection and measuring technology. The type ST2K features system integration capabilities , enabling continuous extendability of inspection facility.

RS-Simulatoren Series

Standard Technical Data:

- Temperature Range: -55 °C, -40 °C, -40 °C,..... +100 °C, +180 °C,+250 °C.
- Humidity Range: 10 % to 98 % relative humidity
- Maximum Basket Load: 80 kg, 150 kg, 1000 kg.
- Basket Moving Direction: Vertical (200L and 320L) and Horizontal (1000L and 7000L)
- Basket Moving Mechanism: Pneumatic / Motor
- Test Room: Air to air / Air to liquid

Size:

- Standard volume available: 220L, 1000L, 7000L.
- Other volumes are availabe upon customer request.

Design:

- The floor assembly, testing space, door and bearing parts are made of stainless steel.
- Build on a sturdy tubular frame for higher weight loads in the test space.
- The program control based on CAN bus is integrated into the door and allows many opportunities to network with a high operating comfort.
- Protection of the environment through integrated energy management at high powers.
- C-rails on the side walls for the continuous adjustment of shelves.

Optional:

- Wedge implementing
- Rectangle implementing
- Door window
- Deep frying
- Test space adaption
- Explosion protection
- Harmful gases

RS-Simulatoren Series

Chamber With External Air Conditioning Frame -ETA

Control units are suitable for external supply unit testing space. In the ETA type, the temperature or required air is generated and transported either through a large rectangle through or with insulated hoses into the external test space. The temperature control is carried out in a convection process. With both types of coupling to an external test space vibration transmission is greatly reduced. The master and slave function allows multiple ETA connect to a test space.

RS-Simulatoren Series

Standard Technical Data:

- Temperature Range: -80 °C, -60 °C,.....+100 °C, +180 °C, +220 °C.
- Heating Rate / Cooling Rate: 2 °C/min, 5 °C/min,..... 30 °C/min.
- Humidity Range: 10 % to 98 % relative humidity.

Size:

- Standard volume available: 16L, 20L, 25L.
- Other volumes are availabe upon customer request.

Options:

- Deep drying
- Connecting hose.
- Speed control for fans.
- Performance.
- Explosion protection.

Applications:

- Temperature of test spaces from approx. 600L and up to 50 m^3 or more.
- Supply in combination with a vibration system.
- Performance supplement for large test chambers.

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Battery Test System

Lithium-Ion batteries and cells are already used in many areas of daily life. As self-evident as the use of cell phonesand notebooks, the more effort has to be expended on testing technology that is as safe as possible. The high energy density on the onehand harbors the dangers on the other. Kindly contact us for more explanation about this battery test system.

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Standard Technical Data:

- Temperature Range: -50 °C, -40 °C,.....+100 °C, +180 °C, +220 °C.
- Humidity Range: 10 % to 98 % relative humidity.

Size:

- Standard volume are available from 250 liters to 20m³
- Other volumes are availabe upon customer request.

Options:

- EUCAR hazard level (0-7)
- Modular construction for maximum flexibility
- Climate
- Extraction of the air in the test room
- Purging gas or water mist
- Gas monitoring

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Other Types Of Test Chambers

Standard Test Chambers

- Rain Test Chamber
- Dust Test Chamber
- Vacuum Test Chamber
- Speedy Climatic Test Chamber
- Salt Corrosion Test Chamber
- High Temperature Oven
- Climatic Vibration Integrated Chamber
- Small Size Solar Simulation Chamber

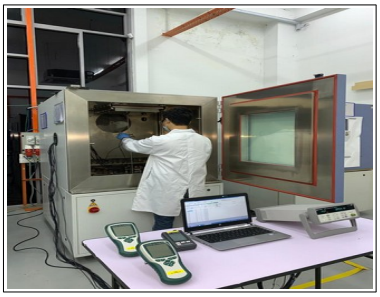
Non Standard Test Chambers

- Full Spectrum Solar Simulation Chamber
- Infrared Simulation Chamber
- Chassis Dynometer Climatic Chamber
- Walk-In Test Chamber
- Drive-In Test Chamber
- Air Bag Deployment Test Chamber
- Vehicle Cold Start Test Chamber
- VOC Inspection Test Chamber
- Four Poster Climatic Test Chamber
- Wind Tunnel
- High Vacuum Test Chamber (HVT)

Services

Our 3S (sales, services and spare parts) facility center is based in Puchong,Selangor, Malaysia to provide maximum supports and to achieve greater customer satisfaction.

Testing Laboratory



Calibration

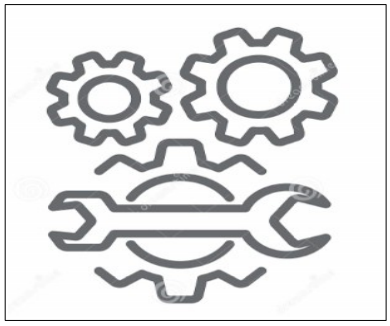
Maintenance & Repair

Installation

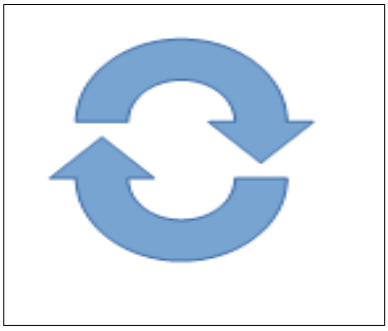
Refurbishment

Spare Parts Availability

Rental & Leasing



Technical Support



Relocation

On request we will be pleased to send you an offer for your specific requirements.

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