

# PLANT ENGINEERING

Environmental simulation · Measuring and test engineering · IP-Code



# ABOUT US

We see ourselves as a technical service company and we accompany our customers on every step of the path of product development. For more than 10 years, we have been providing our know-how to our customers in a wide variety of projects.

We love what we do and we are an innovative company. These are our main two fields of competence:

- Special plant engineering for measuring and testing technology
- Testing services in the field of environmental simulation

## SPECIAL PLANT ENGINEERING

From planning and design to assembly, we carry out all steps necessary within the field of special plant construction under our own direction. Our focus in plant construction is set onto developing and manufacturing testing systems and testing equipment for the verification of degrees of protection (IP code) for products, such as connectors or housings.

## TESTING SERVICE

Using the testing facilities of our own testing laboratory, we can also carry out your product tests for you until your new plant is completed.

We look forward to receiving your order.

## PRODUCTS

- Access and object probes
- turntables
- Drip water devices

- spray nozzles
- Spray water chambers
- High pressure/steam nozzles (IPX9K test method)
- Diving equipment (pools/reservoirs)
- Conversion of diving platforms
- Dust chambers
- Room integrated IP testing equipment
- Nozzle survey test rigs
- Vacuum retrofit units for dust chambers
- Vacuum test benches
- Water and dust test equipment according to UL 50E and NEMA 250
- Purge water systems
- Steam test systems/apparatus and much more.

## RANGE OF SERVICES

- Test laboratory
- Planning and development
- Calculation and design
- Construction and modification
- Manufacturing and assembly
- Technical documentation
- Consulting and service
- IP seminars and training

## SWK 1000

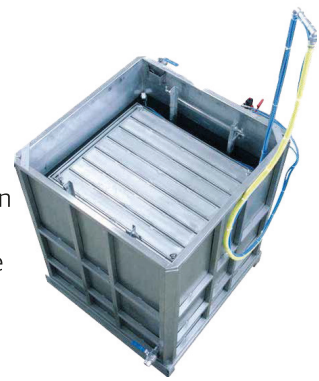
The protection class tests are in most cases according to standardized standards (DIN EN 60529, DIN 60068-2-18, ISO 2065 ...).

Our spray water chamber SWK 1000 is therefore suitable for the performance of water protection type tests IPX3, IPX4(K), IPX5, IPX6(K) and IPX9K. As a SWK 1000 user, you therefore have the option of automatically logging the test parameters for each test run performed, so that they can subsequently be evaluated during report generation.



## TB 1500

Our immersion tank TB 1500 has an integrated diving platform and is designed for water protection type tests according to IPX7 and IPX8. For greater diving depths, the system is designed as a pressure vessel.



## IP-MASTER



We have implemented the integration of water protection type tests to be built into your premises, for example, with the test unit **IP-MASTER**. The equipment consists of a test room and an aggregate room. The IP-MASTER is designed to perform IPX5, IPX6, IPX9K and Hosedown-tests (UL 50E or NEMA 250).



## DST 2000

Another important area in verification of the IP code is the dust protection type test. Our DST 2000 dust chamber was designed according to the requirements of DIN EN 60529.



IP Testchamber



IP aggregate room



SWK 1000 Sidechannel



SWK 1000 IPX9K rack



Hosedown according to UL 50E



Dipping pool platform



SWK 1000 Swivel bracket



IPX9K - Flat spray nozzles

All plants can be expanded as required and can be configured on a modular basis.



## INSPECTION SOUNDS

For the complete execution of the dust protection type tests and especially all tests according to the first code number of the IP code, we offer access and object probes.

## CUSTOM-MADE AND SERVICE

All our equipment is designed and manufactured in our own production facility. The production of components, finishing work, plant programming and final assembly all take place in-house. Only sheet metal components are generated by partner companies using the latest CNC and laser technology.

Our many years of experience and the knowledge we have gained are incorporated into all our products and realizations, so that you always receive the most modern testing equipment.

In order to ensure a long service life, our equipment is preferably made of stainless materials.

Service and maintenance of our products we take over of course personally.

We are also happy to offer you a service contract for your systems.

## INTEGRATION AND REALIZATION

Our greatest strengths are the integration and realization of your individual wishes and specifications in our plants.

This includes, for example, the installation of plant components from a brand manufacturer selected by you or the adaptation of the plant to your spatial conditions. By doing so, you will receive a product that is precisely adapted to your needs.

Further services and products on request.

### Our references (selection):

Our satisfied customers include market-leading companies, institutions and renowned universities, which for years have attached great value in a trustful cooperation for years.



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