

QUOTATION: MDA021.070015

Date : 29/06/2021

SALES CONDITIONS

DELIVERY: 8-10 WKS

VALIDITY : 30 September 2021

PAYMENT: 50% payment in advance after receipt of the order;
40% payment payable on receipt of Invoice, at the
time of delivery;
10% payment after final acceptance

WARRANTY: As indicated by manufacturer

SHIPMENT: DDU Ljubljana, CIF Ljubljana/Ljubljana Airport

TO:

Jozef Stefan Institute,
Experimental Particle Physics Department,
Jamova cesta 39,
Ljubljana, Slovenia

N°1 SEMISHARE X-6

UNITARY PRICE EUR 118.000,00

Semi-Auto Wafer Probe Station X-6

Weight Around 1700kg With Microscope

Dimensions: 1160mmW*1750mmL*1500mmH

6" chuck with Central Vacuum Hole and Vacuum rings for Sample holding, Independent control of each Vacuum channel

Super low noise triaxial Chuck and output Triaxial adapter

Chuck Flatness: 5µm

The Standard Central Vacuum hole is 1mm diameter, Can be customized according to customer requirements.

Chuck Quick roll out mechanism for fast wafer exchange

Probe Card and probe card holder are adaptable to the Platen

Platen can load up to 12 pcs micropositioners when TopHat is removed

Sealed Microchamber with high performance EMI/light/noise Shielding and frost Prevent

Schermatura > 30 dB (tipico) da 1 kHz a 1 MHz

Attenuazione della luce ≥ 130 dB

Rumore spettrale di fondo ≤ -180 dBVrms/rtHz (≤ 1 MHz)

Rumore CA di sistema ≤ 5 mVp-p (≤ 1 GHz)

Optimized Microchamber for less CDA consumption

Chuck X-Y-Z-Theta High Precision Motorised Stage and Controlling system

Chuck Driver Mechanism: Zero backlash Design, grinded ball screw and Linear Guide rail

Motors: Low noise DC motor

0.1 µm resolution linear Scales for all chuck stage axes

Chuck X-Y-Z Travel Range: 350mm*400mm*20mm

Highest Speed: X/Y axis > 70mm/S, Z axis > 20mm/S

Step Size: As small as 0.1µm in X, Y and Z

Repeatability: ±1µm

Accuracy: ±2µm

Chuck Theta Range: ±10°

Theta resolution: 0.0001°

Theta Repeatability: 0.0005°

Theta Accuracy: 0.001°

Microscope X-Y-Z Motorised Stage and Controlling system

Microscope X-Y-Z Travel 2" x 2" x 5"

Highest Speed: > 10mm/S

Step Size: As small as 0.1µm in X and Y

Repeatability: ±1µm

Accuracy: ±2µm

Computer Interface: RS232/485, TCP/IP, GPIB etc.

High Performance Vibration Free Table built in Design

Remark : 1. Able to add a probe card holder for measurements with probe card;
2. System includes CP and two 23 inch HD display

N°1 SEMISHARE SEMISUIT SW Semi-auto Controller System software

Supports both semi-automatic control

High test accuracy

Super-high test speed

Auto Align

Auto Die Size test

Auto Mapping

Wafer map Edit arbitrary

The input and output parameters of instruments can be managed

The test results can be divided into bin values to determine whether the device is good or bad

Support both single Die testing and continuous testing.

Can edit wafer-map and display test in real time

Multi system integration could be completed quickly

Complete separation of operating system from application software

Independent upgrade of operating system

Independent upgrade of Application software

Independent upgrade of Device test

Reduce your time to market

Strong data storage and processing capability

Automatically save data and test curve

Test data can be accessed remotely

Access to programmable instruments arbitrary

Remark : Software can base on Buyer request to edit

N°1 SEMISHARE 3ZOOM

Microscope High Resolution and Long working distance , need 2 CCD

Zoom:15 : 1,Three gears and could display low(0.6X) and high(2.5X or 9X) magnification in the same time

Microscope focus block :Z Travel 50.8 mm,1um resolution

2X CCD Adapter inside

1X C Mount Adapter

High Power White Light Intensity Step-less Control

Motorization of the X, Y, Z axes of the microscope on all axes

Extension of the lateral movements (XY) of the microscope configured with the protections for low

temperature measurements with extensions > 40 mm X 40mm

n°2 Basler SONY Image200 HDMI interface , high definition (2.3million pixels) CCD - Resolution 1920*1200

- Frame 40fps - GigE interface

n°1 PC and 23" LCD Display With HDMI and VGA ports

n°1 OBJ2X Objective: 2X(WD: 34mm,NA:0.055,Visual Magnification:48X – 720X Resolution 2μm)

Semishare SVOS Side view Optical system for viewing lateral overview of the tips allowing to evaluate its distance from the device under test

Sensor : 1/1.8"CMOS

Resolution : 6.3MP

Frame Rate : 3088*2064 @ 18.7FPS

FOV : 9.2*6.2mm

Side microscope, can effectively observe the contact between the probe and the sample with **Field of view**

9.2*6.2mm

N°6 SEMISHARE SS-100-M

Micro-positioner
Weight Around 1000 g
Dimensions: 115mmL*100mmW*112mmH
Magnet Base with Switch
Linear X-Y-Z Travel 12mm-12mm-12mm
Linear Motion
Probing Inclination:0-30°
Swiss made screw
0.7 Micron Resolution
Mobility function in XY of the manipulators using the micrometric movements in the configuration for low temperature measurements, or with the thermal protections inserted $\geq 10\text{mm} \times 10\text{mm}$

N°6 SEMISHARE T2L

L shape Triaxial Tip Holder
Leakage 100FA With Condition of Shielding Box
Cable length is 2 meters
Installation kits : slot type screwdriver

N°40 SEMISHARE ST-20-0.5

Probe Tip 1 micron tip diameter probe, 5PC/BOX

N°1 SEMISHARE VP0125 MEDO-AG

Air kit including:
Attainable vacuum:-33.3Kpa (-250mmHg)
Air Compressor Weight Around 24kg
Dimensions: 41mmL*41mmW*55mmH
Noise Level: 52dB

To prevent frosting, dry air with dew point temperature lower than the chuck is required , flow rate>480l/min:

N°1 HCT-6

6 inch Wafer Chuck Temperature Range : -60 to 200 °C
(Whether chuck frost at low temperatures depends on dry air flow and dew point)
Temperature Resolution: Set: 0.1°C , Indicate: 0.1°C
Temperature Stability $\pm 0.3^\circ\text{C}$
Controller method:Switching PID & DC
Sensor: Pt100 1/3DIN
Super slim design for easy prober integration
High Grounding performance
Coaxial design with BNC interface

N°1 TSC SW

Temperature software control

N°1 LN2-P

Liquid nitrogen cooling system.
Consists of an LN2-F7 - 35 liter thermal flask
LN2-P6 6-stage pump. 230V

N°1 CH15

Chiller-15 and tubes etc.

SYSTEM INCLUDES:

N°1 Certification of system released by Shenzhen BORY Technology Service Co LTD – www.bory.biz

CE Mark certified according to EMC 2014/30 / EU standard

Compliance with standards:

- EN 55011: 2016 + A.1: 2017
- EN61326-1: 12013
- EN61000-3-2: 2014
- EN6100-3-3-: 2013

No. 1 Shenzhen BORY Technology Service Co LTD - www.bory.biz specific for the SH-6 Series

CE Mark Certificate second standard LVD 2014/30 / EU

Conformity to the standard:

- EN 61010-1: 2010

N°1 Fraunhofer Institute Certification of System for Dust free class 1000 Clean room

N°1 Installation System:

On-site system installation of SEMISHARE Probe Station by certified SS Service Engineer INCLUDES:

Travel to/from customer site (one trip for install and training)

Probe station assembly

Thermal system calibration

Probe station system verification

System training for hardware & prober control software 8h

N°1 After Service: Semishare guarantee to keep all the SS probe station system in good repair All the fees are on Semishare during the first year except for man-made damage and the maintenance costs are on Semishare during the next two years except for man-made damage. For details please consult the After Service Files Semishare provide

N°1 SEMISHARE SUPERWARRANTY

Warranty service for 2 years

N°1 DISTEK HELPDESK_SERV

Free support via e-mail with a dedicated support address: solution@distek.it

and via telephone with a dedicated line: +390816610003

possibility to organize Web-ex meeting

The service is managed by an Application Engineer with proven experience of Failure analysis and microprobing activity necessary for the validation of silicon in Italian for the duration of 2 years

N°1 Remote Assistance: 1 year remote assistance with TeamViewer

N°1 SEMISHARE FCI

Freight and charge and Insurance cost to Jozef Stefan Institute, Experimental Particle Physics Department, Jamova cesta 39, Ljubljana, Slovenia

N°1 DISTEK TRG: 6h training for University technical team