



Prot. 23/1172/901/SDS-02

JPK NanoWizard 2 trade-in per Bruker JPK NanoWizard 4 XP

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All'attenzione del:
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A handwritten signature in dark ink, reading 'Salvatore Distefano'.

Dott. Salvatore Distefano

Probe Microscopy Product Manager

OFFERTA ECONOMICA

Nel ringraziarVi per la gentile richiesta, siamo lieti di offrire:

POS.	DESCRIZIONE DELL'AGGIORNAMENTO OFFERTO	PREZZO
1	Trade-in del sistema JKP NanoWizard 2 (SN JPK0769) per sistema Bruker JPK NanoWizard 4 XP , configurato per alimentazione a 220V/240V. <ul style="list-style-type: none"> Mod. TI-BIOAFM Trade-in NanoWizard II to NW4XP system 	€ 195.930,00 + IVA
2	Installazione, visita dello specialista JPK <ul style="list-style-type: none"> Mod. DL10029 Visit by a Bruker applications or service specialist (3 day). Travel costs included 	€ 6.530,00 + IVA
3	Modulo SW JPK "Direct Overlay" con telecamera <ul style="list-style-type: none"> Mod. SW-03-11 JPK DirectOverlay 2 software module with Camera 	€ 10.190,00 + IVA
4	Modulo SW JPK "Quantitative Imaging Advanced" <ul style="list-style-type: none"> Mod. SW-06-09 JPK QI Advanced 2 software module 	€ 13.495,00 + IVA
5	Pacchetto "CellMech" <ul style="list-style-type: none"> Mod. AC-02-25 JPK CellMech Package 	€ 14.525,00 + IVA
6	Cantilever holder ("fixed spring") <ul style="list-style-type: none"> SP-90-08 JPK cantilever holder with fixed spring 	€ 2.712,00 + IVA
7	Holder per dischi di Petri <ul style="list-style-type: none"> Mod. PDHO-1 JPK PetriDishHolder 	€ 4.068,00 + IVA
	Prezzo complessivo dell'aggiornamento offerto:	€ 247.450,00 + IVA
	Sconto:	€ 11.500,00
	Prezzo scontato a Voi riservato	€ 235.950,00 + IVA

POS.	OPZIONI	PREZZO
A1	Modulo riscaldante per dischi di Petri <ul style="list-style-type: none"> Mod. PDH-1 JPK PetriDishHeater with Temp. Control Option 	€ 6.015,00 + IVA
A2	Controllore per la temperatura <ul style="list-style-type: none"> Mod. UTC-01 Universal Temperature Controller 	€ 5.320,00 + IVA
B1	Software "Smart mapping" <ul style="list-style-type: none"> Mod. SW-06-15 Smart mapping software 	€ 8.153,00 + IVA
B2	Stage motorizzato <ul style="list-style-type: none"> Mod. SM-0 JPK Motorized Precision Stage 	€ 23.900,00 + IVA
C	Opzione Fast Scanning <ul style="list-style-type: none"> Mod. AC-01-20 Fast Scanning Option for NanoWizard® 4 XP AFM 	€ 45.970,00 + IVA
D	Cantilever holder ("s-spring") <ul style="list-style-type: none"> SP-90-05 JPK cantilever holder (s-spring version) 	€ 2.592,00 + IVA

CONDIZIONI DI FORNITURA

Validità:	30 giorni.
Consegna:	4 – 6 mesi, dopo la ricezione dell'ordine.
Garanzia:	12 mesi dalla data di collaudo, ma non oltre 15 mesi a partire dalla data di consegna.
Installazione:	Compresa.
Corso d'istruzione:	Compreso, presso il Vs. laboratorio.
Pagamento:	30 gg. d.f.
Resa:	F.co Vs. sede italiana.
Imballo:	Compreso.
Trasporto:	Compreso.
IVA:	Esclusa (Vs. carico).

INFORMATIVA EX LEGGE 196/03: i dati forniti saranno trattati ai soli fini degli adempimenti legati al rapporto contrattuale, nel rispetto di quanto stabilito dalla normativa vigente. Ulteriori informazioni sono disponibili sul nostro sito www.assing.it

DESCRIZIONE TECNICA

POS. 1:

☐ **Mod. TI-BIOAFM**

Trade-in NanoWizard II to NW4XP system

- Trade-in of System JPK00769
- Includes for PeakForce Tapping™ for easy imaging
- New workflow-based user interface (GUI)
- Architecture is designed for future developments
- SPMControlStation will be exchanged to Vortis 2.1 SPM Controller
- NanoWizard 2 will be upgraded to NanoWizard® 4 XP
- Includes suitable PC with 1 x 32" LCD display
- Includes JPK NanoWizard 4 XP starter kit (AC-00-11)
- Maintains compatibility to Zeiss IOM AxioVert A1, JPK manual precision stage, advanced force, pump control, manipulation and lithography, scripting

POS. 2:

☐ **Mod. DL10029**

Visit by a Bruker applications or service specialist

- 3 Days
- While visit, the use of 2 probes from Bruker is included
- Travel expenses included

POS. 3:

☐ **Mod. SW-03-11**

JPK DirectOverlay 2 software module with Camera

- Improved user-friendly workflow
- Automatic calibration of the optical image
- Compensation of optical aberration and distortion
- Direct read-out of selected cameras or import from other sources
- AFM scan selection in the optical background image
- Adjustable transparency of the overlaid images
- Includes 1/1.2", CMOS, USB3.0, 2.3 MP, color camera

Requires SPMControl software V7 or higher

POS. 4:

☐ **Mod. SW-06-09**

JPK QI Advanced 2 software module

- Second generation Quantitative Imaging (QI): more reliable and faster imaging
- Extends the functions of the QI Quantitative Imaging mode
- Works across all stiffness ranges including soft and strongly adhesive samples in liquid
- Online calculation of stiffness and adhesion
- Full storage of all force curves and channels for post-processing
- Simultaneous acquisition of external data (e.g. Conductive AFM, with JPK CAFM module – not included)
- **Requires:** Vortis 2 controller and compatible head.

POS. 5:

☐ **Mod. AC-02-25**

JKP CellMech Package

- For viscoelastic property measurements of gels, cells and tissues
- Sine modulation measurements at defined frequencies can be freely combined with customized force curves or force mapping
- MicrorheologyAssistant for automated setup of modulation experiments with defined frequencies (using head piezo) over large ranges: 0.5 – 500 Hz (for Mod. H-21, JPK NanoWizard® 4 XP AFM head)
- Combination with position list for specific locations (user sets experiment sequence according to frequency or position)
- Combination with Force Mapping to map at a specific frequency (including automatic repeat of mapping measurement through frequency list)
- Specifically designed probes with defined radii and pre-calibrated spring constant:
- Set of q. ty 5 of PFQNM-LC-A-CAL cantilevers with a radius of about 70 nm
- Set of q. ty 5 SAA-SHP-5UM half-sphere indenter cantilevers (radius 5 µm, tip height 23 µm, 0.2 N/m)
- Precise optical navigation and correlative experiments using the NanoWizard family with optical microscopy and in combination with optional DirectOverlay or DirectTiling features
- Includes JPK Advanced Force Spectroscopy (SW-06-03)

POS. 6:

☐ **Mod. SP-90-08**

JKP cantilever holder with fixed spring

- Super cut extended form factor
- Length: 15.5 mm
- Compatible with deep sample holders such as PetriDishHeater or BioCell
- Fixed spring cantilever holding mechanism for easy probe mounting
- Incl. spare screws and screwdriver

POS. 7:

☐ **Mod. PDHO-1**

JKP PetriDishHolder

- Insert for Life Science stage
- Compatible with 35x10mm Petri dishes from WPI and TPP (plastic or plastic with glass bottom)
- Adaptors for other suppliers such as Matek, Willco, IWAKI, Ibidi, and BC upon request
- Ports for perfusion tubes and gas supply (only available for certain types of Petri dishes)
- Openings for immersion medium application
- Silicone anti-evaporation seal
- **Note:** please specify the inverted microscope model when ordering

OPZIONI

POS. A1):

☐ **Mod. PDH-1**

JKP PetriDishHeater with Temp. Control Option

- In use with UTC-01: Temperature control from RT to 60°C, temperature stability 0.1K and software control
- Insert for Life Science stage
- Compatible with 35 x 10 mm Petri dishes from WPI and TPP (plastic or plastic with glass bottom)
- Adaptors for other suppliers such as Matek, Willco, IWAKI, Ibidi, and BC upon request
- Ports for perfusion tubes and gas supply (only available for certain types of Petri dishes)
- Silicone anti-evaporation seal
- Software control
- **Note:** please specify the inverted microscope model when ordering

POS. A2):

☐ **Mod. UTC-01**

Universal Temperature Controller

- Necessary to monitor and control BioAFM temperature addons
- Remote operation via SPM software including scripting
- Q. ty 2 sensor input channels (PT100 / PT1000)
- Automatically configured by connected addon
- Sensor display resolution 0.1K
- Q. ty 1 bipolar output for different heating/cooling capabilities

POS. B1):

☐ **Mod. SW-06-15**

SmartMapping

- Selection of flexible, user-defined freeform shaped force maps
- Automatic adjustments of z-motor position to optimize usable piezo-range
- Automatic subdivision of large regions if combined with motorized stages (SM-0, HybridStages (SH-))

POS. B2):

☐ **Mod. SM-0**

Motorized Precision Stage

- Compatible with inverted microscopes from Zeiss, Nikon, Leica and Olympus.
- Sensitive joystick control
- Travel range: >20 mm x 20 mm
- Step size (Resolution): below 1 μm
- Repeatability (unidirectional): below 2 μm
- Maximum velocity: 1 mm/s
- Compatible with all JPK sample carriers e.g., for glass slides, Petri dishes, coverslips, metal discs, etc.

POS. C):☐ **Mod. AC-01-20****Fast Scanning Option for NanoWizard® 4 XP AFM**

- Scan speed up to 150 Hz lines rate for scan ranges up to 2 µm
- Includes PeakForce Tapping™ - FAST version (SW-06-11: containing one fast z-scanner (SP-90-12) & mechanical adaptations)
- Ultrastable JPK DirectDrive cantilever excitation for dynamic modes
- >70 kHz z-scanner resonance frequency
- Software upgrade for fast scanning modes
- Fast data acquisition
- Includes NestedScanner feature for fast tracing of high features
- Note: requires Mod. Vortis 2 or Vortis 2.1

POS. D):☐ **Mod. SP-90-05****JPK cantilever holder (s-spring version)**

- Super cut extended form factor
- Length: 15.5 mm
- Compatible with deep sample holders such as PetriDishHeater or BioCell
- S-shaped spring holding mechanism
- Robust design using glass and medical steel
- Autoclavable
- Incl. 2 springs