Cascade Microtech PA200SD BlueRay
200mm Semi-automatic Wafer Prober

SN 1017
Macquarie Equipment ID 9059

- AP200DS BLUERAY DOUBLESIDE AUTOMATIC PROBER – PN147389
- Fully automated probe system
- Motorized chuck stage, movement range: 205x205mm
- Motorized chuck Z-axis travel: 15mm
- Motorized chuck rotation: 16°
- Base for fixed ProbeHead Platen with support for probe card holder
- Chuck base assembly for double sided chuck
- Fix adjustable mount for video microscope OPTEM Zoom 70
- ProberBench electronics with LAN interface
- Vibration isolating table VIT701
- Loader module with one cassette station
- Motorized Fiber Holder on ProbeHead PH510
- Mount for EKT Style Fiber
- Includes cable, driver card, mounting brackets
- PROBERBENCH CONTROL UNIT WINDOWS XP – PN147178
- Intel Core Duo CPU, 2GB RAM, 250GB SATA HDD, DVD-RW, 2xGigabit LAN,
  6xUSB, 2xRS232, parallel port, optical mouse and mini keyboard
- Windows XP Professional multilingual
- Industrial grade chassis for desktop setup or assembly in a 19” rack
- Suitable for power supply 100V-240V, 50/60Hz

- INCLUDES:
  - Exponential USB joystick
  - ProberBench 7 Software Suite including Toolbar program, ControlCenter,
    SPECTRUM Vision System, Wafermap program, Table View, RS232 interface
  - 19” TFT LCD DISPLAY NEC SW/SW
  - Resolution 1280 x 1024 pixel
  - D-Sub and DVI-D connector
  - ADAPTER, PROBE CARD, 4.5" x 7"/11" – PN129912
    - For standard formats 4.5in. x 7-11in.
    - Theta adjustment range: 5 deg
    - Minimum tip drop: 2mm
    - Top loader/front loader functionality
    - Maximum thickness of probe card: 23mm (front loading)
    - Very stiff design
    - Requires Platen Insert Ring PH/PC for use in PM300BEP (132521)
  - VIDEO KIT FOR C-MOUNT MICROSCOPES – PN142893
    - SPECTRUM Vision System hardware package for all C-Mount microscopes.

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Interested parties may contact Paul Jasmine at Macquarie Equipment Finance for additional information at (408) 965-3874 or paul.jasmine@macquarie.com.

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- Displays a live image of up to 4 cameras inside a scalable window
- Provides point-and-shoot navigation and on-screen joystick for chuck, microscope and up to 4 motorized ProbeHeads
- Provides wafer alignment and measuring functions
- Capable of capturing and saving images to a disk
- INCLUDES:
  - IEEE1394 (Firewire) Video Camera, 780x582 pixel, 1/2 inch CCD sensor
  - IEEE1394 (Firewire) interface board
  - Cognex Vision Library license
  - SCOPE,OPTEM,ZOOM 70-MITUTOYO OBJ,COMPLETE
  - Video microscope with internal focus (1/2 in. CCD camera necessary)
  - TV adapter c-mount 1.5x
  - Zoom: 7:1
  - Mitutoyo adapter module
  - working distance and field of view are dependent on the objective used
  - Incl. coaxial illumination
  - Incl. light source
  - LENS,10X,MITU FINESCOPE – PN102-517
  - LENS,2X,MITU FINESCOPE – PN102-516
  - AUTOMATIC ALIGNMENTSOLUTION FOR BLUERAY – PN145530
  - Fix-focus microscope with telecentric objective (1,5x magnification)
  - 90° deflection of optical path for horizontal mounting on the platen
  - Used for wafer alignment outside probe center
- INCLUDES:
  - SPECTRUM Vision System
  - SVS EXTENSION AUTOMATION
  - Automatic wafer alignment (2-point alignment and home die correction)
  - Automatic chip alignment (XY and Theta correction of single dies)
  - IEEE1394 (Firewire) Video Camera, 780x582 pixel, 1/2 inch CCD sensor
  - IEEE1394 (Firewire) interface board
  - PROBERBENCH NI GPIB INTERFACE – PN122283
  - NI-GPIB (IEEE488.2) GPIB Card - PCI
  - For operating the ProberBench software as a peripheral from a tester or instrument via GPIB (IEEE488.2) port
  - Driver, setup utility and real-time event viewer for interface debugging
  - Requires ProberBench Software Suite
  - DUAL MONITOR ARM – PN148858
  - DUAL MONITOR ARM
  - Two single arms for flat panel displays (up to 24 in.)
  - Lift: 33cm
  - Tilt/Pan: 80/180 degrees
  - Rotation: 90 degrees

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- Compatible to VIT801, VITF801 and 200mm ProbeShield systems
- MEASURING INSTRUMENT SHELF FOR BLUERAY – PN136687
- 2 plains for measurement equipment
- 350mm x 380mm each
- Max. load 30kg
- Not compatible with locale light enclosure (134732)
- Prober Automated Control Environment – PN146436
- CHUCK PLATE,DBLSIDE,6inWAFER,PA200DS,BLUERAY – PN150070
- DOUBLE SIDE CHUCK PLATE FOR 6"
- WAFER/PA200DS BLUERAY WITH WAFFER CLAMPING
- TOPSIDE CHUCK FOR PA200DS BLUERAY/200mm – PN139808
- CONTROL CONSOLE – PN138846
- For mouse, joystick control panel and compact size keyboard
- Can be installed on front left or right side
- Compatible to VIT800, VIT801, VITF800, VITF801, VITF951 and ProbeShield 200mm systems
- OPTICAL FIBER MOUNT FOR PH250 – PN139085
- ProbeHead arm with pneumatic cylinder, 40mm stroke, for moving optical fibre out of microscope field of view
- Controllable by ProberBench electronics
- Mounting for Instrument Systems EKT-fiber
- ADAPTER PROBEHEAD PH250 HF VACUUM – PN112953
- ADAPTATION LIGHT FIBER – PN137372
- Manual ProbeHead PH250
- Mount for Instrument System fiber (EKT style), for Backside use
- Other adaptations on request
- OPTICAL FIBER NT SYSTEMS – PN57847
  a) Launching Probe
  - Fiber bundle with 1.5mm diam, 2m length
  and 90° light beam deflection
  - spectral range 190 to 1350 nm
  - suitable for wafer prober
  b) Fiber bundle adapter
  - optimized for UV
  - spectral range 190 to 3200 nm
- SPECTROMETER CAS140CT-152 MODEL UV-VIS – PN SQ-155-266-02
  1. CAS140CT-152 Compact Array Spectrometer Model UV-VIS
  - Wavelength range 200 to 800nm
  - Spectral resolution 2.7nm (100microns slit)
  - 0.6nm/pixel data-point interval
  - Built-in shutter and order sorting filter
  - Filter wheel with UV density filters OD1, OD2, OD3, OD4
  - 1024x128 pixel (binning mode) back-illuminated CCD detector
  2. CAS140CT-400 Options for CAS140CT
  - PCI-bus plug-in board for PC; 3m interface cable

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- 3. CAL-123 Calibration to luminous intensity for EKT-1xx
- 4. EKT-102 Launching Probe; Fiber bundle 1.5mm diameter, 2m length
- 5. PLG-420 Fiber bundle adapter; UV optimized; spectral range 190 to 3200nm
- IEEE-488 DIGITAL CABLE, SHIELDED, PIGGY-BACK, 2m – PN400141
- OCR/BARCODE READERSUBSTRATE TOPSIDE – PN149392
- KIT, SUPPLY VACUUMADAPTER – PN100246
- Necessary for vacuum fixation of ProbeHeads used with magnetic ProbeHead semi-rings or HF semi-rings
- Includes 2 vacuum manifolds, each with 6 connections
- NEUTRAL DENSITY FILTER 20% / OD 0.7 / D=22.4MM – PN68616
- NEUTRAL DENSITY FILTER 10% / OD 1.0 / D=22.4MM – PN68617

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