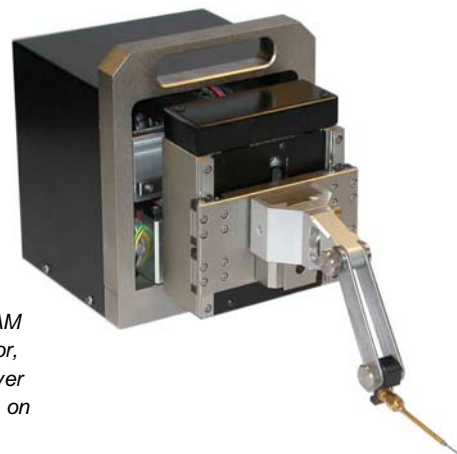


Pegasus™ SAM

Automated Manipulator

Submicron Resolution



When equipped with Pegasus SAM submicron automated manipulator, Wentworth Pegasus probes deliver "hands free" debugging of devices on 200mm and 300mm wafers

Hands-Free Debugging

Pegasus SAM, a fully programmable, automated manipulator for the Wentworth Pegasus Series of 200mm and 300mm probes, delivers submicron resolution for use in the most demanding test applications.

Pegasus SAM can be controlled by the keypad or with optional LabMaster™ control and monitoring software. LabMaster drives all Pegasus SAM functions via a user-friendly graphic user interface, providing centralized test setup and control.

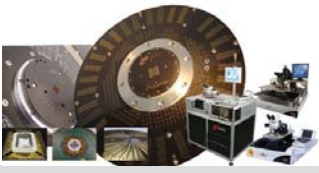
Versatile Performance

Pegasus SAM's articulated front end offers maximum adjustment capability to accurately position the needle holder, of paramount concern when probing inside packaged devices. A wide range of articulated front ends is available for Pegasus SAM.

Pegasus SAM is fully programmable in X, Y and Z axes to successfully resolve alignment when probing packaged devices. Pegasus SAM offers 30mm of travel in X, Y and Z axes.

Advanced Performance Features

- Fully Programmable
- Submicron resolution
- Powerful, intuitive LabMaster control and monitoring software
- High placement accuracy
- Highly repeatable positioning



Wentworth Laboratories offers vertical probe card solutions for both memory and logic applications, advanced cantilever probe cards, complete custom probe card design, and a full complement of probers for applications up to 300mm. For more about Wentworth's full turnkey solutions, please visit us on the web at <http://www.wentworthlabs.com>.

Pegasus™ SAM Specifications

Submicron Automated Manipulator

XYZ Accuracy	± 1 µm
XYZ Repeatability	≤ 0.5 µm
XYZ Resolution	0.1 µm
XYZ Travel	30 mm
XYZ Speed	Up to 1 mm/s

Physical Specifications

Footprint	120 mm x 110 mm (4.7" x 4.3")
Height	125 mm (4.9") excluding handle
Weight	3 kg

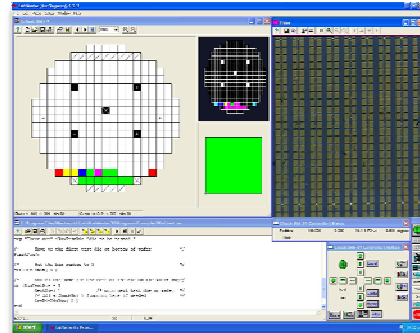
Facilities

Pegasus SAM controller	220-240 VAC 50 Hz and 100/115V 60 Hz, auto select, 1000 VA
Vacuum	0.5cfm @ 20" Hg (min)

Manipulator Front Ends

5-000-4711	Short nose articulated short arm front end for 4" and 6" probing
5-000-4722	Short nose articulated long arm front end for 4", 6" or 8" probing
5-000-4710	Long nose articulated short arm front end for 4", 6" or 8" probing
5-000-4721	Long nose articulated long arm front end for 4", 6" or 8" probing
5-000-4714	Coax needle holder for 0.010" diameter shank needles
5-000-4717	Spring clamp needle holder for needles
5-000-4719	Coax needle holder for 0.010" diameter shank needles, length 3"
5-0004734	Guarded coax needle holder 0.010"
5-000-4735	Guarded coax needle holder 0.010", length 3"
5-000-4736	Guarded coax needle holder for large shank needles 0.020"

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Optional LabMaster™ drives all Pegasus SAM functions with a simple and intuitive display of device options

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