What is **AZSA−HS** ?

System configuration

Supported devices
（SEM,FIB,Prober.Emission etc.）

AZSA-/HS

AZoverlay

AZSA-HS View
（HOTSCOPE）
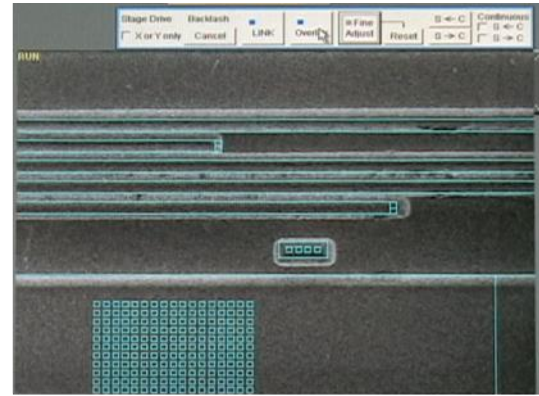
Main-PC   Support-PC

EtherNet
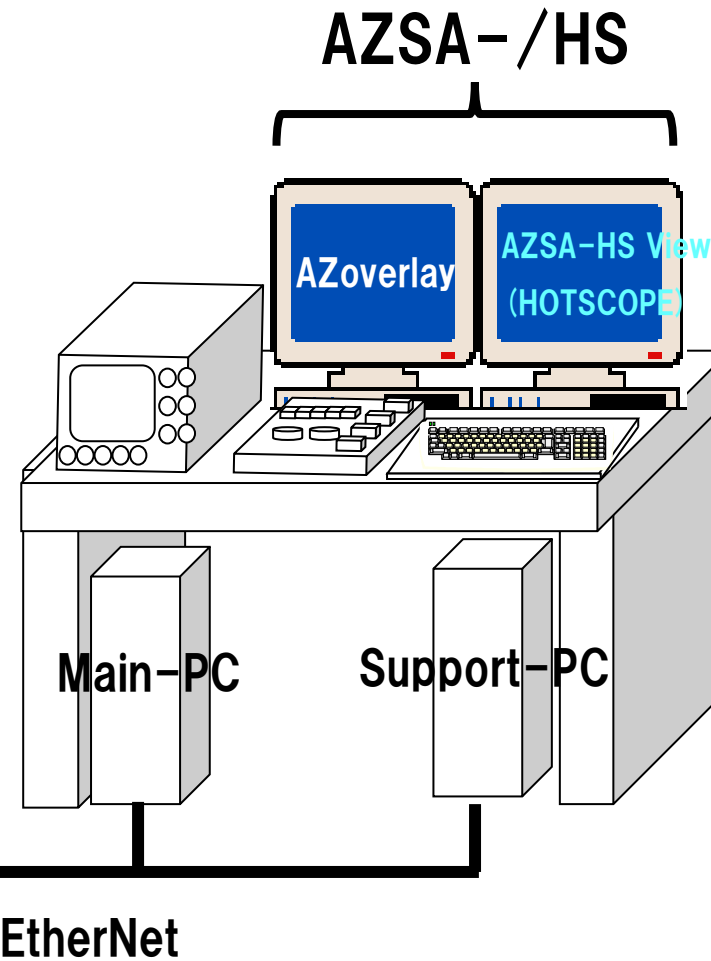
Basic Function : Overlay

· Overlay of SEM ／ SIM Image and CAD Data
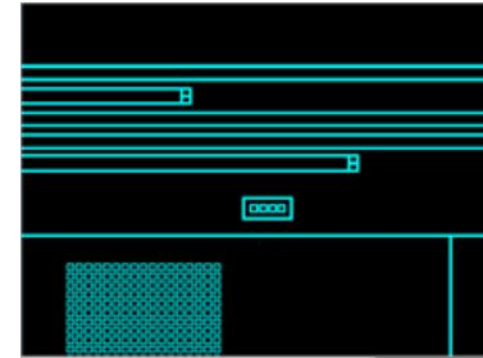· The circuit under the sample surface can be identified
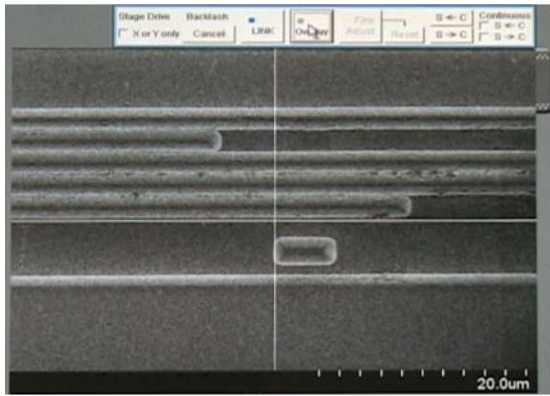
SEM／SIM　Image

Overlay

（Display CAD data superimposed

on SEM ／ SIM image）

CAD Data

Basic Function : Stage Link

- When the CAD data position is changed, the SEM / SIM image moves to the same location in synchronization.

- When the display of CAD data is enlarged / reduced, the SEM / SIM image is enlarged / reduced at the same magnification.

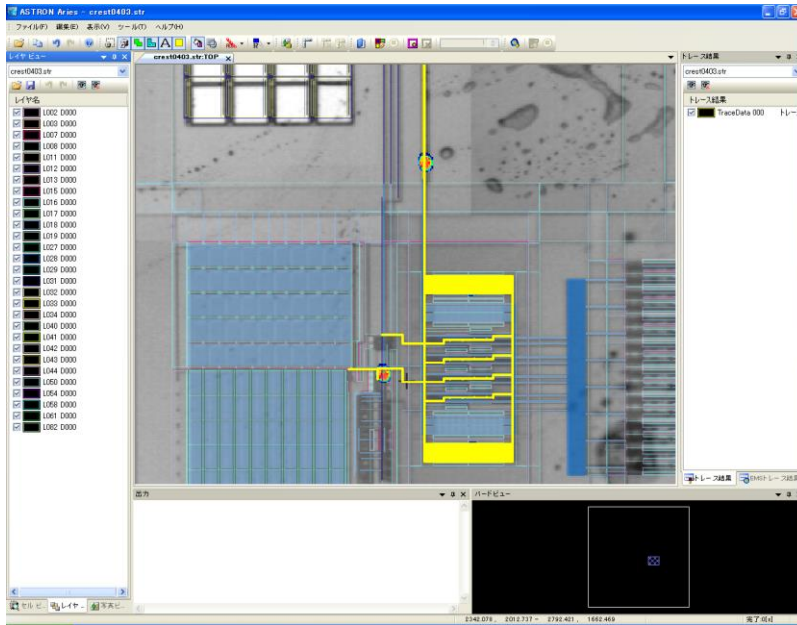- The change from the SEM/SIM image side is also possible.

Stage / magnification Link

FIB・SEM・Prober・FIB-SEM
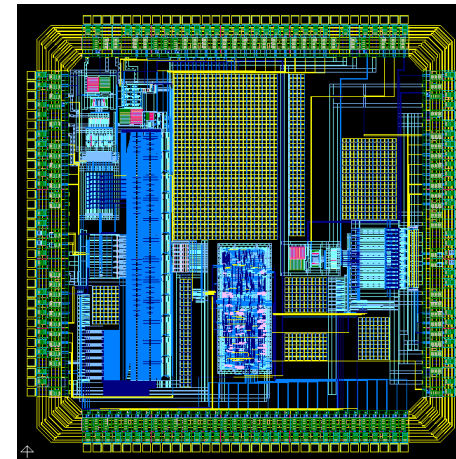
CAD Data (Layout Data)

Basic Function : Equipotential node trace

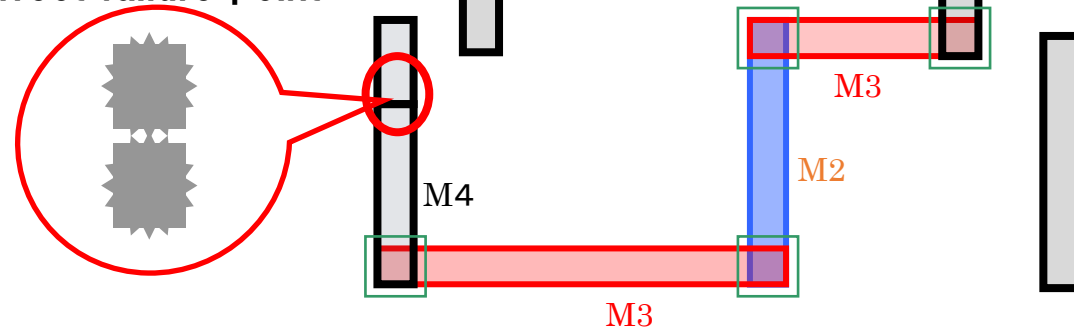✔ **Trace and highlight equipotential nodes（wiring）**

When you pick a figure on the layout,
all equipotential points are highlighted.

Effective for searching for a fault location.

Defect or
Emission point

M4

Correct failure point

M4

M3

M2

M3

Performance Features of AZSA-HS

✔ **Direct Input of GDS data**

✔ **Simple Alignment**

→ "Quick Stage function" & "Automatic scale adjustment function"

Coming soon

✔ **Wafer Mapping（Option）**

→ Based on the defect information imported from various defect inspection devices,
the defect position can be displayed on the Wafer Map
and the defect-related information can be viewed in a list.

✔ **Simple GUI（Editable）**

→ AZSA can edit GUI menu only for required functions

✔ **Data Locator（Marking）**

→ AZSA can specify the position by the processing frame, arbitrarily set the name and save it
to the list on the PC screen

New function

→ Defect information taken from the defect inspection device and FIB / SEM processing
information are saved in the holder linked to the marking coordinates.

Performance Features of AZSA-HS

✔ **Large scale response**

→ Correspondence to large scale data （100 G <）

✔ **Cross-section & 3D display function**

✔ **Multi format** （Option）

→ Add New formats of OASIS, MEBES, JEOL, HL, TOSHIBA, Job Deck etc.
in addition to LEF / DEF, GDS

New function ✔ **Dummy GDS Operation**

→ Even if there is no CAD data, the same place observed with an optical microscope can be easily identified with an electron microscope image.

✔ **Schematic generation** （Option）

→ Schematic generation from layout data
→ Cross probe between layout data and generated schematic data
→ Easy-to-see schematic display by net / instance display function

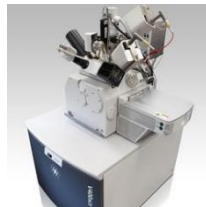# Supported Devices

Regulus series
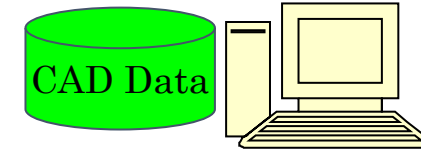
NP6800、NE4000

NX series,MI4050

Hitachi High-Tech

CAD Data

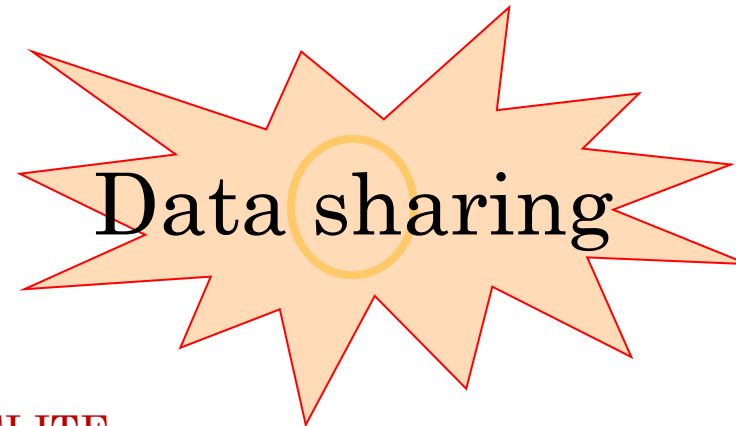CAD Server

Centrios

thermo scientific

Data sharing

ELITE

V400ACE

Helios series

Scios

HAMAMATSU PHEMOS

JEOL JIB-4000