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Karl Suss Contact Aligner Operation

Introduction The Karl Suss Contact mask aligner (MA6/BA6) has become our

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workhorse lithographic imaging system in the UTD Clean Room Lab. It is a versatile system allowing us to pattern a variety of substrates from 3 to 6 inch round wafers, to a large assortment of sizes and shapes of smaller substrates of various materials.

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Karl Suss Contact Aligner Operation - Office of Research

The Karl Suss MA-6 Contact Aligner system can perform precision mask-to-wafer front- or back-side alignment and near-UV photoresist exposure in hard- and soft- contact, as well as high and

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low vacuum contact; proximity is not available. Our current configuration accommodates 3", 4" and 6" wafers and pieces. SNF has two MA-6 aligners (karlsuss and karlsuss2).

Karl Suss MA-6 Contact Aligner 2 (karlsuss2) | Stanford ...

1 Select chuck, clean surface and place

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on loading block. 2 Place sample on
chuck. 3 Slide loading block slowly into
the system. 4 Bring the chuck slowly up
to the "Contact" position - If the chuck is
too high, the sample will contact the
mask prior to the contact level being
switched 135. o.

KARL SUSS MJB3 Contact Mask

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Aligner Equipment Operation ...

The Karl Suss MA-6 Contact Aligner system can perform precision mask-to-wafer (sample) 1:1 contact printing in four modes; hard contact, soft contact, vacuum and proximity. It can accommodate exposure of irregularly shaped substrates and standard wafers to 6". Features: Contact 1:1 aligner. DUV

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and IR capability Approximate Exposure
Intensity: 8

Karl Suss MA6 Mask Aligner SOP

The aligner is equipped with a 350 watt mercury short-arc lamp. The filtered light source produces a combination of g-line, h-line and i-line wavelengths (350-500nm). With manual operation,

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the MA6 can provide print structures into the sub-micron region with all contact exposure programs of vacuum, hard, soft, contact and proximity.

Suss MA6 Lithography Aligner - Wisconsin Centers for ...

Operating Procedure The Karl Suss Mask Aligner is the newest addition to our

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photolithographic machines. It has touch screen controls that allow for parameters to be changed simply and efficiently. It is equipped with a Hitachi monitor for easy to view mask and wafer alignment.

Karl Suss Aligner - BYU Cleanroom
KARL SUSS MJB3 MASK ALIGNER

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UNIVERSITY OF STANDARD OPERATING PROCEDURE

Purpose of this Instrument: This instrument is for patterning photosensitive polymers with UV light.

Location: White Hall 410 Cleanroom

Primary Staff Contact: Harley Hart (412) 443 -1514 (M) (304) 293 -5847 (O)

Office: White Hall 409

harley.hart@mail.wvu.edu Secondary

Read Free Karl Suss Contact Aligner Operation The University Of Staff Contact:

KARL SUSS MJB3 MASK ALIGNER STANDARD OPERATING PROCEDURE

The Karl Suss MA6 is a top and bottom side mask aligner used for fine lithography down to 1 micron or below.

2. 350 W mercury arc lamp i-line (365nm) with "smart power supply" is

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capable of operating in constant power mode, or constant intensity mode.

KARL SUSS MA6 OPERATING MANUAL Pdf Download.

Page | 1 KARL SUSS MA6/BA6 Mask
Aligner Users Manual Coral name: Suss
MA6 Model: KARL SUSS MASK ALIGNER
MA6/BA6 Location: Nanofab, Building

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215 Contact: nanofab_litho@nist.gov

Version: 1.0

KARL SUSS MA6/BA6 Mask Aligner Users Manual

Mask Aligner Highest precision for applications with thick and thin resists. The SUSS MicroTec Mask Aligner has become synonymous with superior

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quality, high alignment accuracy, and sophisticated exposure optics. SUSS MicroTec offers a complete range of mask aligners for high-end fab automation, high volume production and R&D environments alike.

Mask Aligner | SUSS MicroTec

Hoffmann Instruments is available for all

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your Karl Suss Mask Aligner needs.

About Us. Other Services. 702 Clearview
Lane ~ San Luis Obispo, CA 93405 ~
Tel: 805-534-9522.

Hoffmann Instruments - Karl Suss Mask Aligner

The wedge error compensation (WEC)
procedure will follow, pushing the wafer

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in contact with the mask and adjusting the mask/wafer parallelism. • Press the “EXPOSURE” key. • Wait for the end of the exposure procedure, pull the slide out, and unload the wafer. • Repeat the loading-exposure-unloading loop to complete your wafer batch.

Süss MA6 Mask Aligner User Manual

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View and Download Karl Suss MA6 operating manual online. MASK ALIGNER Nano Fabrication Unit. MA6 Laboratory Equipment pdf manual download.

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The Karl Suss MJB3 Contact Aligner system can perform precision mask-to-

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wafer (sample) 1:1 contact printing in hard contact mode. It can accommodate exposure of irregularly shaped substrates and standard wafers up to 3".

SOP for Karl Suss MJB3 #1 Mask Aligner

Main Contact: Bill Lewis; Description:
The Karl Suss MA-6 Contact Aligner

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system can perform precision mask-to-wafer (sample) 1:1 contact printing in four modes; hard contact, soft contact, vacuum and proximity. It can accommodate exposure of irregularly shaped substrates and standard wafers to 6". Features: Contact 1:1 aligner.

Litho Process Karl Suss MA6 -

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The technology is based on the industry standard PatMax and achieves outstanding results. Using DirectAlign[®] for top-side alignment on a SUSS mask aligner allows accuracy of 0.5 μm to be achieved. The use of Enhanced Alignment is recommended for challenging alignment processes with

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easily confused structures or restricted fields of view.

Mask Aligner MA300 Gen2 | SUSS MicroTec | Production Tool

Karl Suss MA6 BA6 Contact

Aligner/Printer: 1000 W broadband UV

arc lamp produces 8 - 12 mW/cm²

intensity at the wafer. Resolution

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demonstrated to .5 micron spaces between geometries. Substrate size ranges from 5×5 mm to 150 mm (6 inch). We have mask/wafer hardware for 3, 4 and 6 in diameter substrates.

Lithography | Cleanroom Research Laboratory

Bond alignment can be performed on 3"

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to 6" wafers. The bond alignment is performed with special fixturing to allow aligned samples to be transferred to the Karl-Suss SB6 system. Detailed Specifications. 350 W Hg arc lamp, broadband exposure with Suss UV400 Optics (350 - 450 nm) Resolution (per Manufacturer*): Vacuum Contact: <0.8 μm

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Contact Aligner (SUSS MA-6) - UCSB Nanofab Wiki

- Operations Manual for Suss MA6 Mask Aligner ... We offer Installation & Training on all our used and refurbished Karl Suss Mask Aligners (the full line of Suss Mask Aligners including the Suss MJB3, MA6, MA150, and MA200). ...

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please contact ClassOne Equipment at
+1-770-808-8708 or
support@ClassOneEquipment.com.

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