

KARL SUSS MASK ALIGNER MA6/BA6 OPERATING MANUAL

OVERVIEW:

- UV broadband (250nm–450nm), I-line (365nm) and G-line (436nm) wavelength available. Contact super-user for installing I-line or G-line filters.
- Exposure methods: flood, proximity, soft and hard contacts, low vacuum and vacuum contacts.
- Mask size: 2.5" x 2.5", 4" x 4", 5" x 5" and 8" x 8"
- Wafer size for Top-Side Alignment: up to 6" in diameter (small samples, 2", 3", 4" and 6").
- Wafer size for Bottom-Side Alignment: 3" and 4" chucksize
- Maximum wafer thickness: 3mm
- The machine is exclusively intended for use as an alignment and/or exposure device for substrates used in Semiconductor and Microsystems Technology.

RESTRICTIONS:

- Must be qualified to use the tool by the super-user. In order to be certified on the tool the user should be trained by the super-user.
- Do not lean on the machine during alignment or exposure.

SAFETY PRECAUTIONS:

- **WATCH OUT FOR THE MICROSCOPE MOVEMENT AT ALL THE TIMES.**
- There is a red colored emergency off switch located on the left of the front panel next to the main power switch. If it is pressed machine gets isolated from the power supply. Press this button only in an event of danger.
- In case of lamp explosion immediately leave the contaminated room otherwise the mercury fumes released during the explosion may cause poisoning.
- Nitrogen failure for longer than 5 minutes will turn off the exposure lamp automatically. Do not attempt to turn the lamp on again. Contact super-user or technical support person.

Karl Suss Ma6 Manual

**Emilio Lora-Tamayo D'Ocon, José
Antonio Plaza**



Karl Suss Ma6 Manual:

MEMS and NEMS Sergey Edward Lyshevski, 2018-10-03 The development of micro and nano mechanical systems MEMS and NEMS foreshadows momentous changes not only in the technological world but in virtually every aspect of human life The future of the field is bright with opportunities but also riddled with challenges ranging from further theoretical development through advances in fabrication technologies to developing high performance nano and microscale systems devices and structures including transducers switches logic gates actuators and sensors MEMS and NEMS Systems Devices and Structures is designed to help you meet those challenges and solve fundamental experimental and applied problems Written from a multi disciplinary perspective this book forms the basis for the synthesis modeling analysis simulation control prototyping and fabrication of MEMS and NEMS The author brings together the various paradigms methods and technologies associated with MEMS and NEMS to show how to synthesize analyze design and fabricate them Focusing on the basics he illustrates the development of NEMS and MEMS architectures physical representations structural synthesis and optimization The applications of MEMS and NEMS in areas such as biotechnology medicine avionics transportation and defense are virtually limitless This book helps prepare you to take advantage of their inherent opportunities and effectively solve problems related to their configurations systems integration and control

MEMS-based Transdermal Drug Delivery Richa Mishra, T.K. Bhattacharyya, 2023-12-11 This book introduces transdermal drug delivery and the developments that have taken place in various transdermal drug delivery techniques including the system level design approach of a novel miniaturized medical device to offer precise and painless drug delivery via a skin based transdermal route It discusses the microelectromechanical systems MEMS based fabrication technique and the design fabrication and characterization of different MEMS based components like microneedles and micropumps It further includes a MEMS based component micropump with design analysis fabrication and characterization of the transdermal drug delivery device and challenges encountered in the design improvements Features Summarizes transdermal drug delivery systems especially with a focus on MEMS and microneedles including theoretical concepts Emphasizes system integration by describing simulation and design techniques as well as experimental fabrication Discusses system level integration for miniaturized therapeutic devices Includes working simulation models covering microneedles and micropump analysis Explores future direction in development of pertinent devices The book is aimed at researchers professionals and graduate students in biomedical engineering microelectronics micro electro mechanical systems and drug delivery

Proceedings of the ... Biennial University/Government/Industry Microelectronics Symposium, **Commerce Business Daily**, 1999-07 **Fundamental Investigation Into the Structure and Function of Cu for Catalyzed Synthesis of Dimethyl Carbonate** Ian James Drake, 2005 **Fundamentals of BioMEMS and Medical Microdevices** Steven Saliterman, 2006 The world is on the threshold of a revolution that will change medicine and how patients are treated forever Bringing together the creative

talents of electrical mechanical optical and chemical engineers materials specialists clinical laboratory scientists and physicians the science of biomedical microelectromechanical systems bioMEMS promises to deliver sensitive selective fast low cost less invasive and more robust methods for diagnostics individualized treatment and novel drug delivery This book is an introduction to this multidisciplinary technology and the current state of micromedical devices in use today The first text of its kind dedicated to bioMEMS training Fundamentals of BioMEMS and Medical Microdevices is Suitable for a single semester course for senior and graduate level students or as an introduction to others interested or already working in the field

Microtecnología : diario de un proceso Emilio Lora-Tamayo D'Ocon, José Antonio Plaza, 2010-10 El objetivo de este libro es divulgar las técnicas más utilizadas para fabricar microsistemas basados en silicio La novedad que aporta este trabajo es describir y mostrar detalladamente el proceso de fabricación de un Microsistema en una Sala Blanca En la primera parte del libro se hace una introducción teórica a los acelerómetros en general y a los acelerómetros piezorresistivos en particular En la segunda parte se muestra día a día su proceso de fabricación en el Diario del proceso Para una mayor comprensión esta segunda parte se refuerza con un conjunto de videos en los cuales se muestran las etapas más importantes en el proceso de fabricación de microacelerómetros

Compound Semiconductor ,2003

Whispering the Techniques of Language: An Emotional Journey through **Karl Suss Ma6 Manual**

In a digitally-driven world where monitors reign great and immediate communication drowns out the subtleties of language, the profound techniques and mental subtleties concealed within phrases often go unheard. Yet, situated within the pages of **Karl Suss Ma6 Manual** a interesting fictional prize sporting with raw thoughts, lies a fantastic quest waiting to be undertaken. Penned by a skilled wordsmith, that charming opus encourages visitors on an introspective trip, lightly unraveling the veiled truths and profound affect resonating within the fabric of every word. Within the mental depths with this touching review, we will embark upon a honest exploration of the book is core subjects, dissect its interesting writing style, and succumb to the powerful resonance it evokes serious within the recesses of readers hearts.

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Karl Suss Ma6 Manual Introduction

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