

*Witaka*

**MICROSURGERY SOLUTIONS**

*Studio Nakamura*

*Mitaka*

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**OPERATING MICROSCOPES**

**INTRAOPERATIVE FLUORESCENCE**

**SURGICAL INSTRUMENTATION**

**ENDOSCOPE HOLDERS**

**SURGICAL STABILIZATION**

**MICRO SUTURE**



# Mitaka USA's microsurgery solutions offer revolutionary technology built to **DRIVE CLINICAL RESULTS.**

In the OR, confidence and control are everything. With no room for error, you need the best tools available with the latest innovations in microsurgery. Surgeons never stop improving their skills, and Mitaka never stops innovating to improve products. We proactively meet the needs of our customers so that they can **focus on what really matters.**

Our microscopes are built by hand in Japan by a small group of highly trained **Shokunin**. Shokunin designates far more than just a master craftsman—but a way of thinking and interacting with the world. They train for years to understand the purpose & philosophy of complete products as well as the essence & assembly of each component. These engineer-artisans are capable of producing complex optical systems where the margins of success are more narrow and ambitious than any competitors' off-site assembly-line factories could ever hope to produce. Welcome to our revolution, where precision is a promise we will never stop keeping.

**WELCOME TO THE REVOLUTION**

**[mitakausa.com/contact](http://mitakausa.com/contact)**



**SHO·KUNIN**

**/SHŌKANĒHN/**

# Mitaka MM90

Next generation 8:1 horizontal zoom optics, seamless motion, enhanced ergonomics, plus reliability you can depend upon



**360°**  
ROTATING  
SIDE OBSERVER

**23x** NATIVE  
MAGNIFICATION

**37%** MORE  
RESOLUTION

**5 FLUORESCENCE  
MODES**

5ALA

FLUORESCIN  
LOW CONTRAST

ICG  
B&W

FLUORESCIN  
HIGH CONTRAST

ICG  
OVERLAY

**SMALLEST**  
FORMAT OPTICS  
ON THE MARKET

**SUB-30 SECOND**  
TORQUE-SENSOR  
AUTOBALANCE

*OPERATING MICROSCOPES*

# Mitaka MM51

**R**esolution  
evolution

**37x** NATIVE  
MAGNIFICATION

**107%** MORE  
RESOLUTION

**SUPERMICRO**  
OPERATE ON <1mm  
VESSELS WITH EASE

## Larger lenses give greater resolution

The larger objective lens of the MM51 combined with Mitaka's advanced 8:1 zoom system creates a microscope with twice the resolution and magnification of other surgical microscopes.

This unique design provides a brilliant image at high magnifications, and allows the surgeon to clearly operate on vessels of less than 1 mm.

# Mitaka HawkSight

Next generation heads-up 3D. Finally, an exoscope ready to compete with pure optical systems.



**HIGHEST  
RESOLVING  
EXOSCOPE**

**BIGGEST  
WD RANGE  
200-1000MM**

**HIGHEST  
MAGNIFYING  
EXOSCOPE**

**OFFSET  
OPTICS CARRIER  
NEVER OBSCURES  
MONITOR VIEW**

**5 FLUORESCENCE  
MODES**

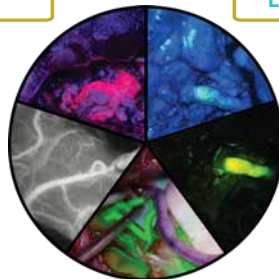
5ALA

FLUORESCIN  
LOW CONTRAST

ICG  
B&W

FLUORESCIN  
HIGH CONTRAST

ICG  
OVERLAY



*OPERATING MICROSCOPES*



## pde-neo<sup>®</sup>II<sup>®</sup>

Designed by Hamamatsu, a world-renowned manufacturer of premier photonics products, the PDE Neo II is a fluorescence camera made with state-of-the-art imaging components. One-button power-on functionality with no passwords or complex software makes the PDE Neo II extremely simple to use; and while we make simple ICG/Drape kits available to customers for convenience, no kit purchase contract is required to acquire the system.



*INTRAOPERATIVE FLUORESCENCE*



# EMI SUPERMICRO

**Precision** at its finest

The world's most precise and ergonomic instruments for  
microsurgery. 100% non-ferrous lightweight titanium.

*SURGICAL  
INSTRUMENTS*



# Mitaka UniARM

Floorstand-based holding system to support the most intricate surgical procedures



Micro Manipulator



Universal Holder

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**PNEUMATIC LOCK CONTROL FOR  
HOLDING ARM**

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**SYNCHRONIZED TWO-BUTTON  
PUSH RELEASE FOR ACCIDENTAL  
RELEASE PROTECTION**

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**ADJUSTABLE COUNTER BALANCE  
TO ACCOUNT FOR SPECIFIC WEIGHT  
OF ENDOSCOPE**

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**1200MM REACH**

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**570 X 570 MM FOOTPRINT**

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ENDOSCOPE  
HOLDERS

# Mitaka PointSetter

Bed-mounted holding system to support the most intricate surgical procedures



**Micro Manipulator**



**Universal Holder**



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**OPERATING TABLE ADAPTER**

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**TABLE ADAPTER SWIVEL JOINT**

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**PNEUMATIC LOCK CONTROL FOR HOLDING ARM**

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**SAFETY LOCK KNOB + SIDE-WALLS BUTTON PROTECTION**

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**PRE-BALANCED BALANCING METHOD**

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**NITROGEN GAS WITH DEDICATED CONNECTOR**

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**650MM REACH**

*ENDOSCOPE  
HOLDERS*

# Surgical Stabilization

Allowing surgeons to remain ergonomic and stable over prolonged operations

## FlexSeat M



ARM RESTS ADJUSTABLE FROM SEATED POSITION WITH 6° OF FREEDOM

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SEAT HEIGHT ADJUSTABLE FROM 550 TO 720 MM (ELECTRICAL BY BATTERY)

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120MM HORIZONTAL MOVEMENT OF SEAT

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## FlexSeat B



ARM RESTS ADJUSTABLE FROM SEATED POSITION WITH 6° OF FREEDOM

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SEAT HEIGHT MANUALLY ADJUSTABLE FROM 530 TO 720 MM

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MANUAL (NON-ELECTRICAL) ADJUSTMENT

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## Surgical Armrest

INTRAOPERATIVE STABILIZATION WITH MINIMAL FOOTPRINT.

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*SURGICAL  
STABILIZATION*



Medical Micro Manufacturer



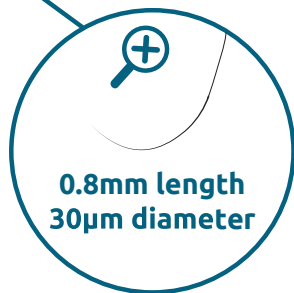
At 0.8 mm in length and 30  $\mu\text{m}$  in diameter, our USP 12-0 microsurgery needles with attached micro nylon thread are the smallest suture needles in the world. Our micromachining technology enables us to manufacture suture needles of a quality high enough for supermicrosurgery. The quality of our micro nylon thread is extremely consistent.



Sesame Seed



Crownjun 12-0S Microsuture Needle



MICRO  
SUTURE

*Whitaka*

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**SHO·KUNIN**

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Deneb

Vega

Altair

