「現場の課題」を権利化した企業経営



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Mitaka Kohki Co., Ltd. in 60 years ago...



We learned a lot in this observatory dome

The star-filled sky

The shining Sun

They provided Mitaka Kohki

supreme Technology and Ideas

Aurora observation equipment for Antarctic Research Ship Fuji in 1962













65cm refracting telescope made by German craftsmen about 110 years ago. (the largest telescope in the orient when installed) W



A Flexible Eyepiece Tube (Wonder Eye) ^M Loaded onto a Large-Scaled Telescope





Wonder Eye is fully adjustable to any observers' eye levels. In other words, it allows anyone (children, adults, & handicapped) to fully enjoy astronomical observation. (patented product)

Model K-8L-12 (1966)

Contribution to the discovery of the Ozone Hole





Observation equipment

Photometer & X-ray Telescope for model no. K-10-2 (1966)



Contribution to discovery of black hole

Airglow Survey



X-ray observational equipment

TENMA (1988)



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<The role of the constellation sensor> To absorb 98.5% of the sunlight (stray light) in order to detect the target star and guide the satellite to its precise orbit.

Mitaka loaded observational equipment to 16 artificial satellites

- 1978-02: EXOS-A
- 1980-02: MS-T4
- 1981-02: ASTRO-A
- 1983-02: ASTRO-B
- 1984-02: EXOS-C
- 1985-08: PLANET-A
- 1987-02: ASTRO-C
- 1989-02: EXOS-D
- 1990-01: MUSES-A
- 1991-08: SOLAR-A
- 1992-07: GEOTAIL
- 1993-02: ASTRO-D
- 1998-07: PLANET-B
- 2005-07: ASTRO-EII
- 2006-02: ASTRO-F
- 2007-09: SELENE

The principle of the direction indication sensor developed for ASTRO-B continues to be valid and effective as of today.



About 30 years ago, NASA chose Mitaka over a large TV manufacturing company for a special camera to load onto Space Shuttle Columbia OV-102.

Loaded onto a Space Shuttle

Mitaka participated Space Experiment with Particle Accelerator (SEPAC). Mitaka pure-bred special camera was loaded onto Columbia.



30 years ago, Mitaka contracted with Wild Leitz and introduced Mitaka microscope in overseas market

(3 years later, Wild Leitz changed her name to Leica Microsystems)

Space Pinter – "Cygnus" (1989)



The point-lock function never loses its field of view once it is locked.



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Over Head Balancing stand for surgical microscope



Sales meeting and training in USA

Zeiss tried Mitaka for patent objection in 2003 & 2005. And Mitaka won both cases.



If the Sun looks like this...



State-of-the-Art Medical Treatment

Brain tumor resection with Mitaka fluorescence microscope



Photo credit: Tokyo Medical University (Neurosurgery Dept.)



Normal observation image



Bright field observation image with LED light source



fluorescence excitation image (talaporfin sodium)

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ISO 25178-605: Non-contact (point autofocus probe) instruments

Large measuring range: XYZ=150x150x10mm High resolution: Z=1nm





Mitaka Kohki Co., Ltd.

NH-3SP

Feature: High correlation with the international roughness standards Type: D1 (PTB)

	PTB Certificate	Scanning AF	Difference
Ra	0.227 (±0.007)	0.224	-0.003
Rz	1.50 (-0.08,+0.07)	1.587	+0.087







Mitaka measured a compound eye of a dragonfly. The Emperor was quite impressed with it.





Central Tower Height: 20m, Output:250kW 2680 sheets of φ50cm mirrors reflect sun light to one spot









New plant factory technology is being developed through strategic collaboration with the Tokyo University of Agriculture and Technology!

Thank you very much

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Mitaka Kohki Fujimimachi R&D center

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