

# INSERTION DEVICES

- Undulator Planar Device
- Elliptical Polarized Undulator (EPU)
- Wiggler Insertion Device
- In-Vacuum Undulator
- Cryo-Cooled In-Vacuum Undulator
- Magnetic Measurement System



Planar Undulator SRC - USA One Meter PPM Installed



Elliptical Polarization Undulator SRC - USA One Meter PPM Installed



Wiggler Undulator ALBA - Spain One Meter HYBRID Installed



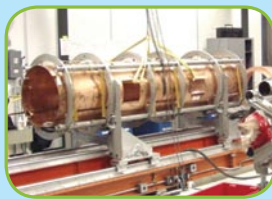
Magnetic Measurement System MAX Lab - Sweden Three Meter Installed

# SYNCHROTRON EQUIPMENT

ADC offers a large assortment of synchrotron equipment including; Lead Shielded Beam Pipes, Micro Ion Chambers, Split Two Axis Ion Chambers, Mirror Systems, Monochromators, Beryllium Windows,...



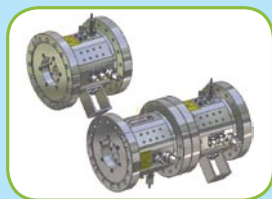
Mirror Systems APS, BNL, CLS



Cavity Parts for Spallation Neutron Source (SNS) & Jefferson Lab - USA



Lead Shielded Beam Pipes CLS, APS



Ion Chamber/Beam Position Monitor (IC-400) - sold to many facilities

## ADC USA, Inc.

ADC is an engineering and scientific consulting firm providing solutions to complex problems. The company provides devices, integrated systems and a broad array of high precision components and instruments to commercial, academic, and government agencies worldwide.

- 15 years serving world class facilities
- 10 patents and 8 pending patents
- Developed a large family of high precision standard products for the aerospace, semiconductor, and automation industries
- Developed a family of high precision motion systems
- Developed a family of standard products for high energy physics/neutron/synchrotron facilities
- Developed and tested procedures and processes for UHV, assembly, testing, cleaning, etc.
- Ability to provide customized products
- Solid and stable worldwide customer base (Australia, Brazil, Canada, China, France, Germany, India, Italy, Japan, Singapore, South Korea, Spain, Sweden, Taiwan, United Kingdom, USA)
- Located five minutes from Cornell University. ADC collaborates with Cornell faculty and utilizes their facilities frequently.
- 15,200 square foot facility
- Trained staff

We encourage you to visit us anytime for a tour of our facility.

ADC is looking for the right business to take our technology to mass production.

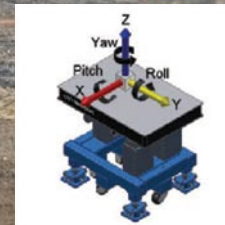
For more information about us or on any of our products, call (607) 533-3531, or email us at [adc@adc9001.com](mailto:adc@adc9001.com), or go to

[www.adc9001.com](http://www.adc9001.com)

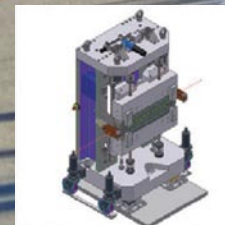
126 Ridge Rd. | PO Box 187 | Lansing, NY 14882



High Precision Monochromatic Slits



Six Axis High Precision Standard Optical Table



Wiggler Undulator Alba Kells-Spain One Meter HYBRID



[www.adc9001.com](http://www.adc9001.com)

# HIGH PRECISION SYSTEMS

SPECTROMETER, GONIOMETER, OPTICAL TABLES...



Spectrometer for Inelastic X-ray Measurements at Spring-8 - Japan



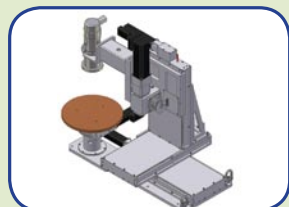
Two-Axis High Precision System for Diamond Light Source (DLS) - UK



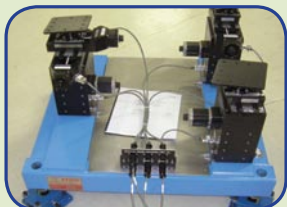
Kappa Six-Circle Goniometer for CHESS (Cornell)



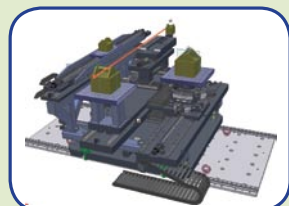
High Precision Upright Cryostat Holder for Spring-8 - Japan



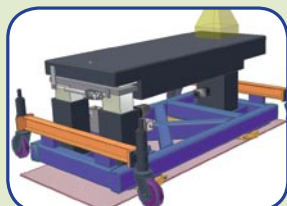
Five Axis Vacuum Compatible Positioning System for NASA - USA



Six-Axis High Precision System for SLAC National Accelerator Laboratory - USA



Four-Axis High Precision System for ANKA Germany



Twelve-Axis High Precision System for Diamond Light Source (DLS) - UK

# HIGH PRECISION SLITS

ADC offers the most complete set of ultra high precision slits from monochromatic to white beam.



High Precision Monochromatic Slits (SLT-100) Sold to many facilities



Ultra High Precision UHV Monochromatic Slits (SLT-600), Sold to many facilities



UHV High Precision Monochromatic Slits (SLT-300), Sold to many facilities



Custom High Precision Slits for ANSTO - Australia



White Beam Water Cooled High Precision Slits (SLT-700), Sold to many facilities



Ultra High Precision Water Cooled Slits (SLT-900), Sold to many facilities

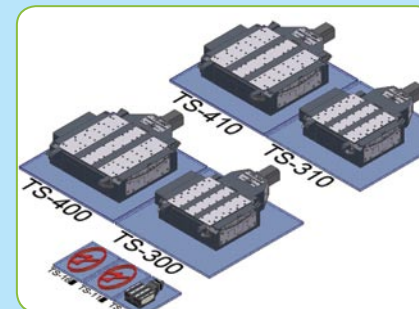


Custom Water Cooled High Precision Slits for DLS - UK



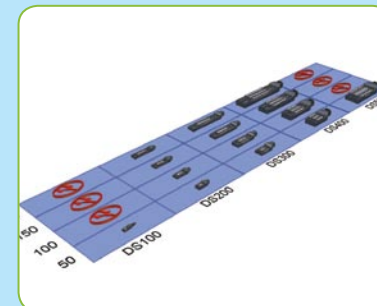
CTL-100 Four Axis Stepper Controller Module

# HIGH PRECISION STAGES



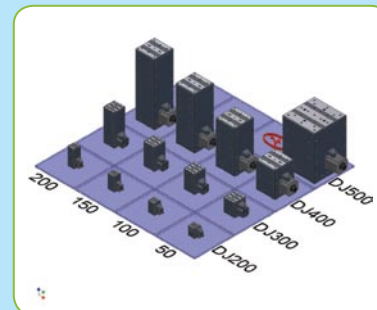
TS Series Precision Goniometer Stages (Tilt)

DJ Series Precision Crossed Roller Slides



RS Series Precision Rotation Stages

DJ Series Precision Crossed Roller Jacks



ADC has developed a solid track record designing a broad array of custom high precision systems and instruments for both synchrotron and neutron facilities around the world.

[www.adc9001.com](http://www.adc9001.com)

- Sub-Micron precision
- Encoder option
- UHV and rough vacuum option
- Customized to Customer Specifications; travel, load bearing, etc.