



Advanced Vibration Isolation

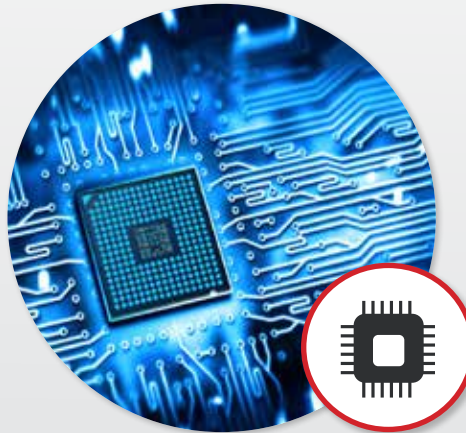
# Products Catalog 2021



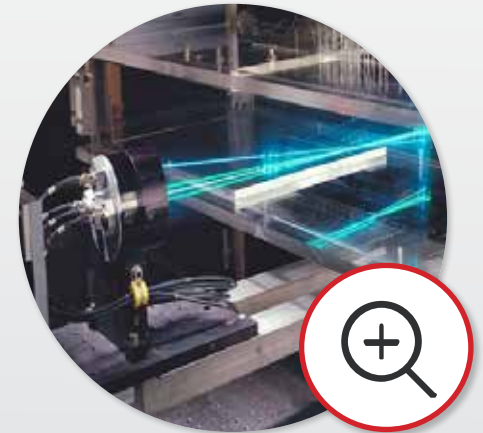
High-precision tools are sensitive to vibrations and require vibration isolation for optimal performance.



**Microscopes AFM,  
SEM, TEM, etc.**



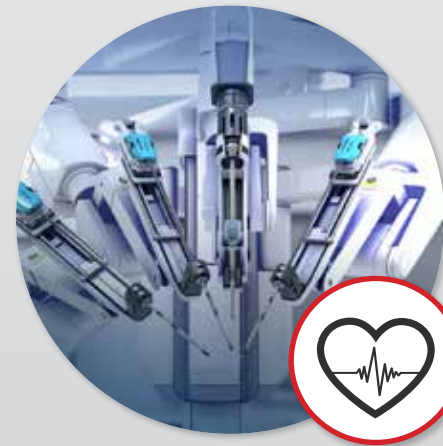
**Semiconductors**



**Metrology and  
Inspection**



**Automotive**



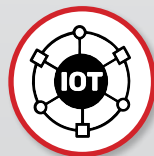
**Medical**



## Our Main Functionalities



**Vibration  
isolation**



**IoT**



**Artificial  
intelligence**

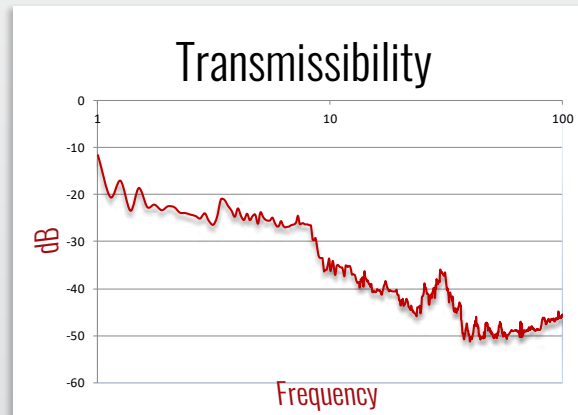
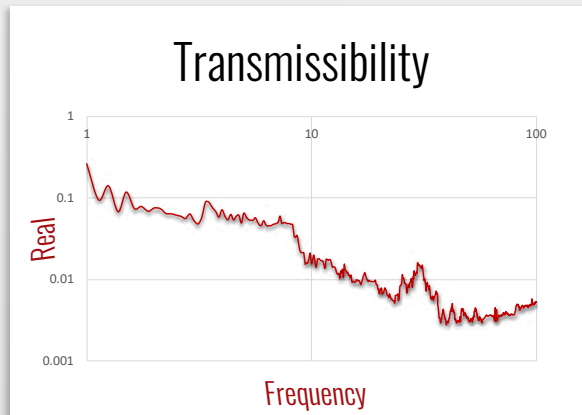


**Sensing  
vibrations  
sources**

## ARIS Products Line



A lightweight and compact Table Top **active vibration isolation** systems that counteracts unwanted vibrations for sensitive equipment. The streamlined design allows it to seamlessly become part of the workstation environment, and its straightforward composition requires no follow-up tuning.



### Key Capabilities

- 6 degrees of freedom
- Active gain starting from 0.5Hz
- Variable Damping (patent pending)
- Build In Artificial Intelligence Feature
- Adjustable by software active bandwidth
- Remote control
- Built in real time diagnostic tools
  - Spectrum analyzer
  - Oscilloscope
- Shaker Mode

# ARISTT Product Line Tehnical Specification



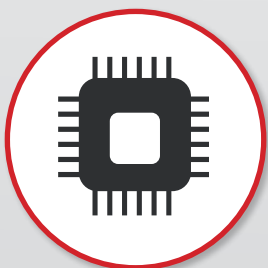
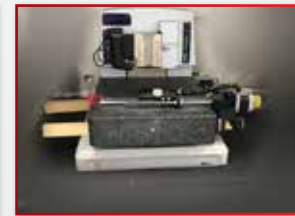
A lightweight and compact Table Top  
**active vibration isolation** systems



Device	ARISTT 20	ARISTT 75I	ARISTT 75	ARISTT 75X	ARISTT 100	ARISTT 150	ARISTT 180	ARISTT 200
Dimensions (WxDxH) mm	450x300x80	300x450x65	300x450x80	400x500x80	400x500x80	400x500x80	500x600x80	600x800x80
Load Capacity (kg)	5-20	15-75	15-75	15-75	40-100	70-150	80-180	90-200
Actuator Force	Vertical: 50 N ; Horizontal 25 N							
Active Isolation Range	0.5 – 100 Hz							
Architecture	MVIS - Multi-layer Vibration Isolation Structure							
Degrees of Freedom	4 degrees		6 degrees					
Vibration Isolation Performance		~8db gain on 1Hz ~20db gain on 2Hz						
Settling time		≤0.1 sec						
Real-Time Diagnostic Tools		Built-in Real-Time 2 channels Oscilloscope, Real Time 2 channel Spectrum Analyzer						
Real-Time performance adjustment		Adaptive Control in ALL 6 degrees of freedom in real-time. Remote Access						
Input Voltage		AC 80-260V/50-60Hz						



Microscopes AFM

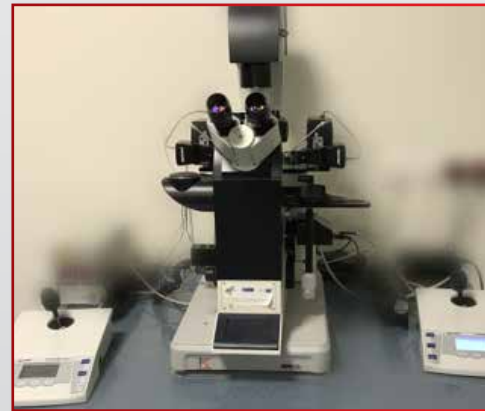
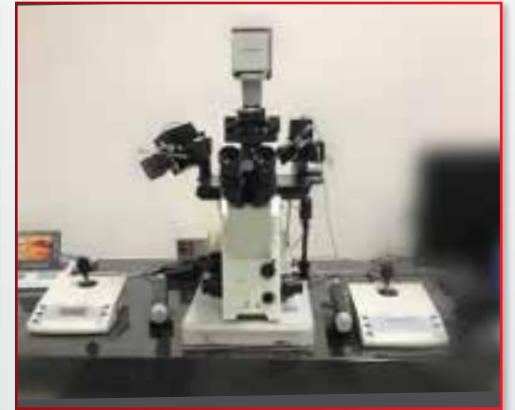
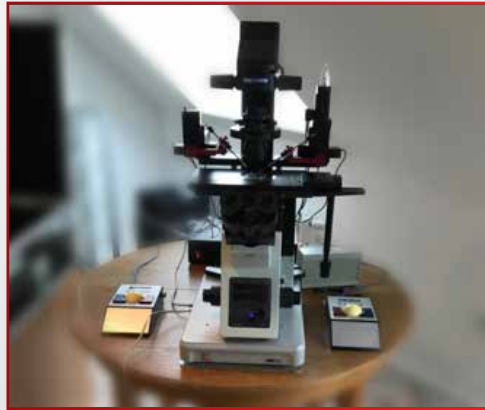


Semiconductors





IVF



# ARIS<sup>MD</sup> Product Line Tehnical Specification



Device	ARIS <sup>MD</sup> 300	ARIS <sup>MD</sup> 500	ARIS <sup>MD</sup> 1000	ARIS <sup>MD</sup> <i>pro</i> 300	ARIS <sup>MD</sup> <i>pro</i> 500
Dimensions (WxDxH) mm	270x230x75	270x230x75	370x230x75cm	270x230x75 230x230x75	270x230x75 230x230x75
Load Capacity (kg)	100-300 per Isolator (Module) Number of Modules unlimited	200-500 per Isolator (Module) Number of Modules unlimited	500-1000 per Isolator (Module) Number of Modules unlimited	100-300 per Isolator (Module)Number of Modules unlimited	100-300 per Isolator (Module)Number of Modules unlimited
Actuator Force	Vertical = 50N Horizontal = 25N	Vertical = 50N Horizontal = 25N	Vertical = 50N Horizontal = 25N	Vertical = 150N Horizontal = 75N	Vertical = 150N Horizontal = 75N
Active Isolation Range	0.5 – 100 Hz				
Architecture	MVIS - Multi-layer Vibration Isolation Structure				
Degrees of Freedom	All 6 degree for System				
Vibration Isolation Performance	~8db gain on 1Hz ~20db gain on 2Hz				
Settling time	≤0.1 sec				
Real-Time Diagnostic Tools	Built-in Real-Time 2xChannels Oscilloscope, Real Time 2xChannel Spectrum Analyzer per Module and per System				



Compact modular  
active vibration isolation systems



# ARIS Integra Product Line Technical Specification



Device	<b>ARIS Integra 500</b>	<b>ARIS Integra <i>pro</i> 500</b>	<b>ARIS Integra 1000</b>	<b>ARIS Integra <i>pro</i> 1000</b>
Dimensions (WxDxH) mm	800mm (Flexible Length) x300x75mm	800mm (Flexible Length) x300x75mm	800mm (Flexible Length) x300x75mm	800mm (Flexible Length) x300x75mm
Maximum load (kg)	500	500	1000	1000
Actuator Force	Vertical = 50N Horizontal = 25N	Vertical = 150N Horizontal = 75N	Vertical = 50N Horizontal = 25N	Vertical = 150N Horizontal = 75N
Active Isolation Range	0.5 – 100 Hz			
Architecture	MVIS - Multi-layer Vibration Isolation Structure			
Degrees of Freedom	All 6 degree for System			
Vibration Isolation Performance	~8db gain on 1Hz ~20db gain on 2Hz			
Settling time	≤0.1 sec			
Real-Time Diagnostic Tools	Built-in Real-Time 2xChannels Oscilloscope, Real Time 2xChannel Spectrum Analyzer per Module and per System			



Flexible Modular  
Active Vibration Isolation System





SEM/TEM/FIB

