

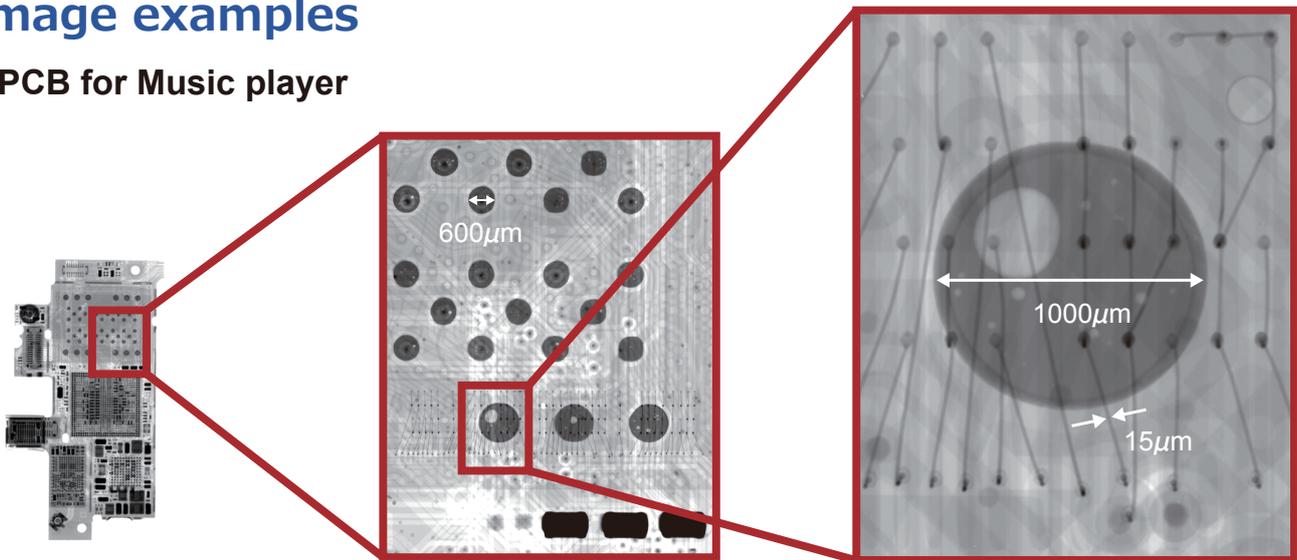
Vacuum Components

X-ray source realizing high Speed and high Resolution

Sealed Transmissive Microfocus X-Ray Source Series

Image examples

PCB for Music player

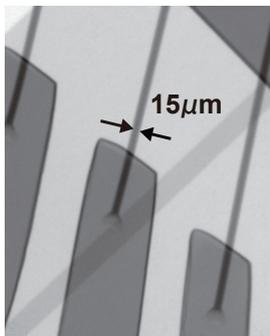


100kV / 100µA 320msec

100kV / 100µA 320msec

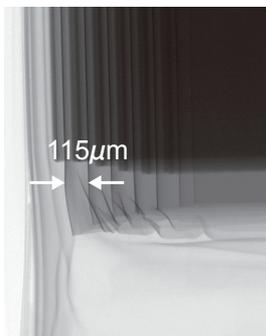
100kV / 100µA 320msec

Wire



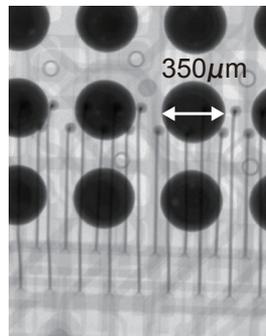
100kV 100µA (300×)

Li-ion battery



110kV 90µA (45×)

BGA



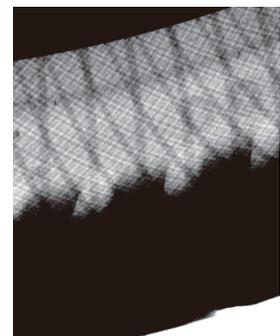
90kV 100µA (120×)

MLCC



60kV 60µA (70×)

Tire



40kV 100µA (1×)



Standard Holder Type



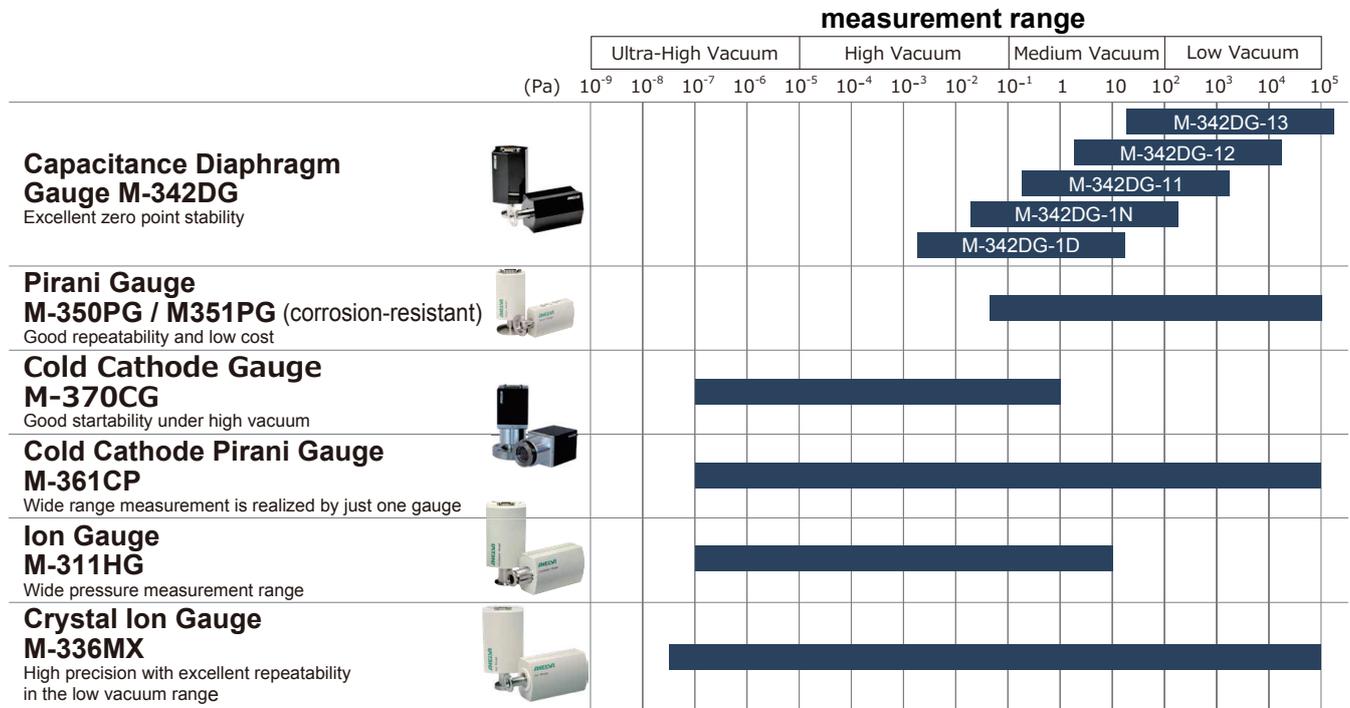
Long Holder Type

- Widely dealing with analysis of semiconductors and electronic components
- Analysis of blowholes defect in an aluminum alloy die-casting
- Provide the most suitable X-ray source to a use
 - High Power G311VD-D
High Power and High throughput imaging
 - High Resolution G-511LV-D
Applicable for analysis

Vacuum Components

Seamless coverage from atmosphere to ultra-high vacuum

Transducer Vacuum Gauge Series



Capable of operating under pressure less than 2.0Pa without differential pumping system

Process Gas Monitor M-080QA-HPM

- Detecting H₂ with high sensitivity in sputtering process
- Applicable for sputtering process monitoring and residual gas analysis



Excellent measurement stability, sensitivity and response

Helium Leak Detectors

- Simple operation
- Portable
- Durable robust design
- Tablet type controller (Option)



Vacuum Components

Excellent zero point stability

Capacitance Diaphragm Gauge M-342DG

- **High precision, stable pressure measurement**

- Excellent zero point stability
- Has low temperature dependence providing excellent stability without the need of a temperature adjustment mechanism
- Excellent anti-vibration noise performance

- **Compact and low power consumption**

- 200g, W46mm × H49mm × L70mm compact, lightweight*1
- Power consumption 0.5W

*1: Size and weight of the coupling NW16 specifications



Suppression of filament erosion

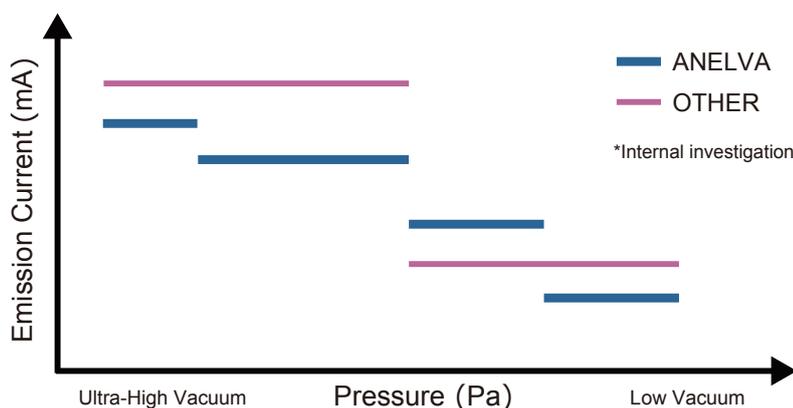
Ion Gauge M-311HG / Crystal Ion Gauge M-336MX

- **Emission current control**

The erosion of the filament is minimized by more appropriate transfer of the emission current which adapted to a vacuum range

M-336MX Emission control image

Low current ($\mu\text{A} \sim \text{mA}$) & Auto switch four currents



Ion Gauge M-311HG



Crystal Ion Gauge M-336MX