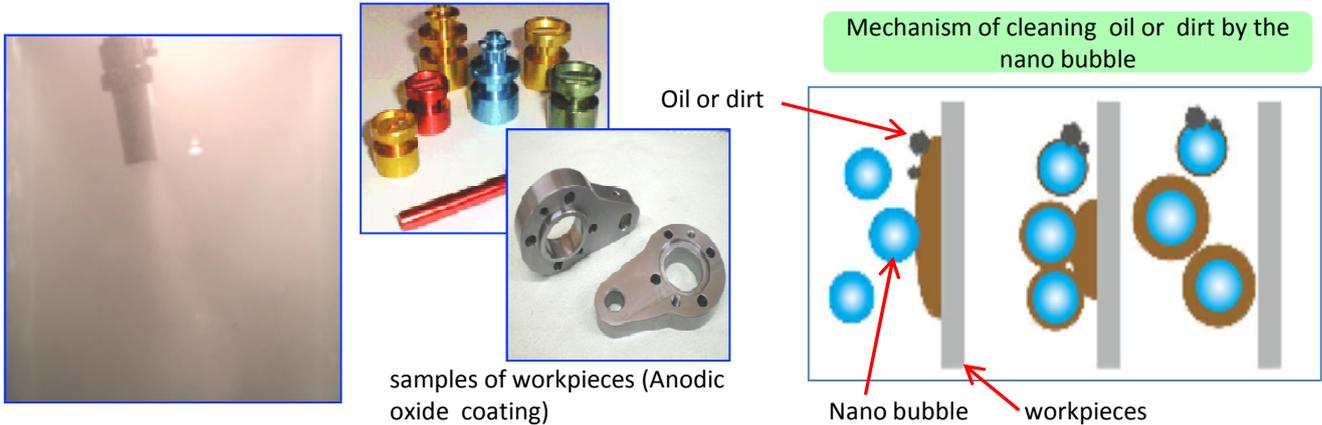B.nano is a trade mark of super fine bubbles generated from Nac's **Foamest**® series of micro and nano bubblers.

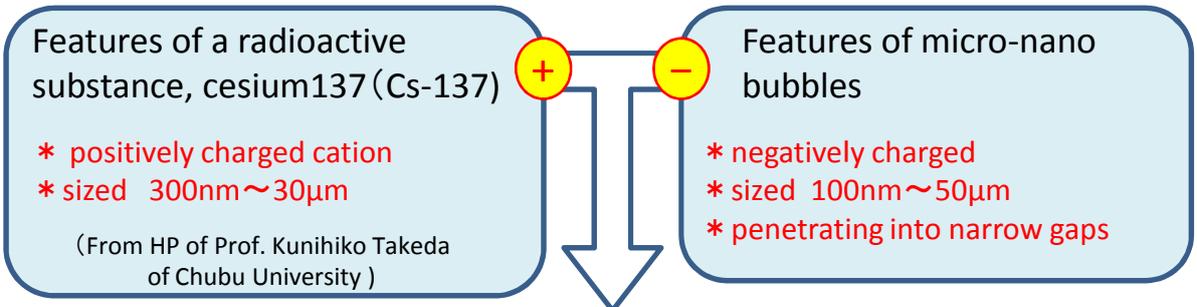# Cleaning of workpieces

＊ Since micro-nano bubbles are negatively charged, oil and dirt on workpieces stick to the bubbles, and are raised to the surface and removed easily in a cleaning tank. As the bubbles penetrate into the narrow gaps, and, rough and complex surfaces, especially, it is well suitable for the removal of oil and residual solvents in the surface treatment process of the plating and the anodic oxidation coating.

Mechanism of cleaning oil or dirt by the nano bubble

Oil or dirt

samples of workpieces (Anodic oxide coating)
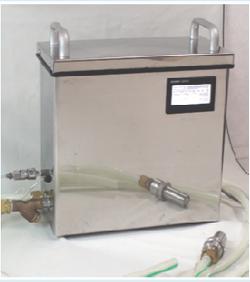
Nano bubble   workpieces

Radioactive Decontamination

＊The cleaning of micro-nano bubbles doesn't need organic solvents, acid and alkali, and surfactants. It is a environmentally-friendly technology by the power of water and air. The study and R &D of the radioactive decontamination by the micro-nano bubble are under way in various institutions.

Features of a radioactive substance, cesium137（Cs-137）

＊ positively charged cation
＊ sized 300nm～30μm

（From HP of Prof. Kunihiko Takeda of Chubu University ）

+   **−**

Features of micro-nano bubbles

＊ negatively charged
＊ sized 100nm～50μm
＊ penetrating into narrow gaps

Together with nano bubbles by the natural power of air and water, it strengthens the effect of conventional radioactive decontamination ways.

Product

Foamest® CT

① Usability：Easy setting of the bubble size and the water volume with a touch panel
② Performance ： A nano bubble generating nozzle applied Nac's original water flow compulsory removal method can generate high concentrated around the size of 100nm to 10μm nano bubbles.
③ Available gas ：compressed air, oxygen, carbon dioxide and etc.
④ Application：cleaning of precision parts, cleaning of the workpieces of plating and anodic oxidation coating process, high concentrated gas dissolution and etc