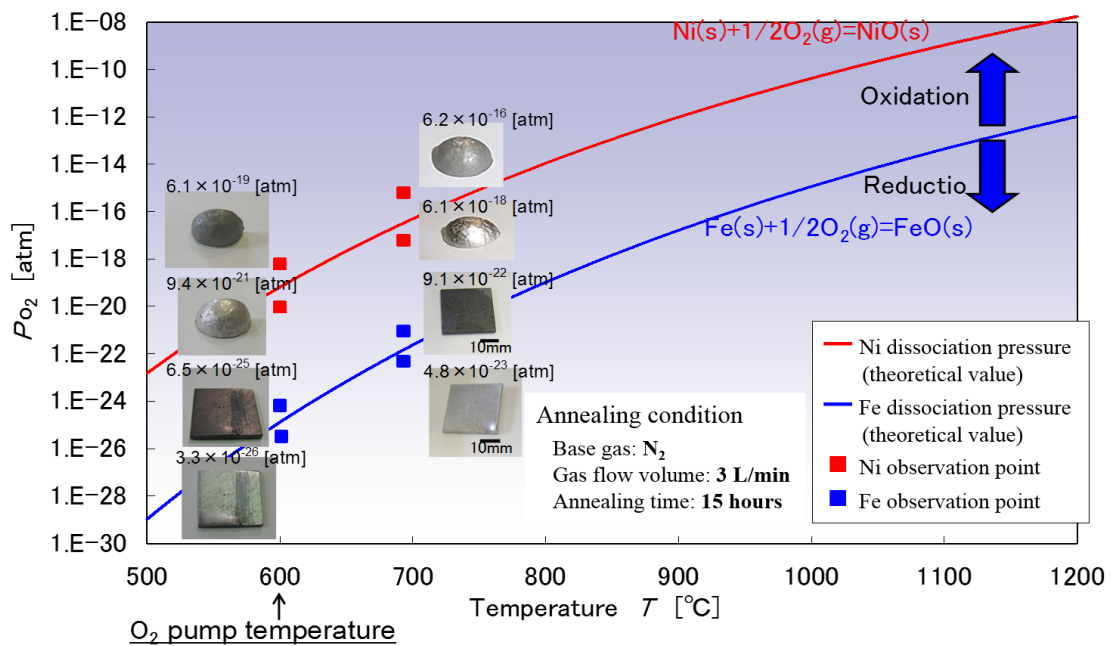


Validation case studies using the ULOCE-500 ultralow oxygen partial pressure control equipment

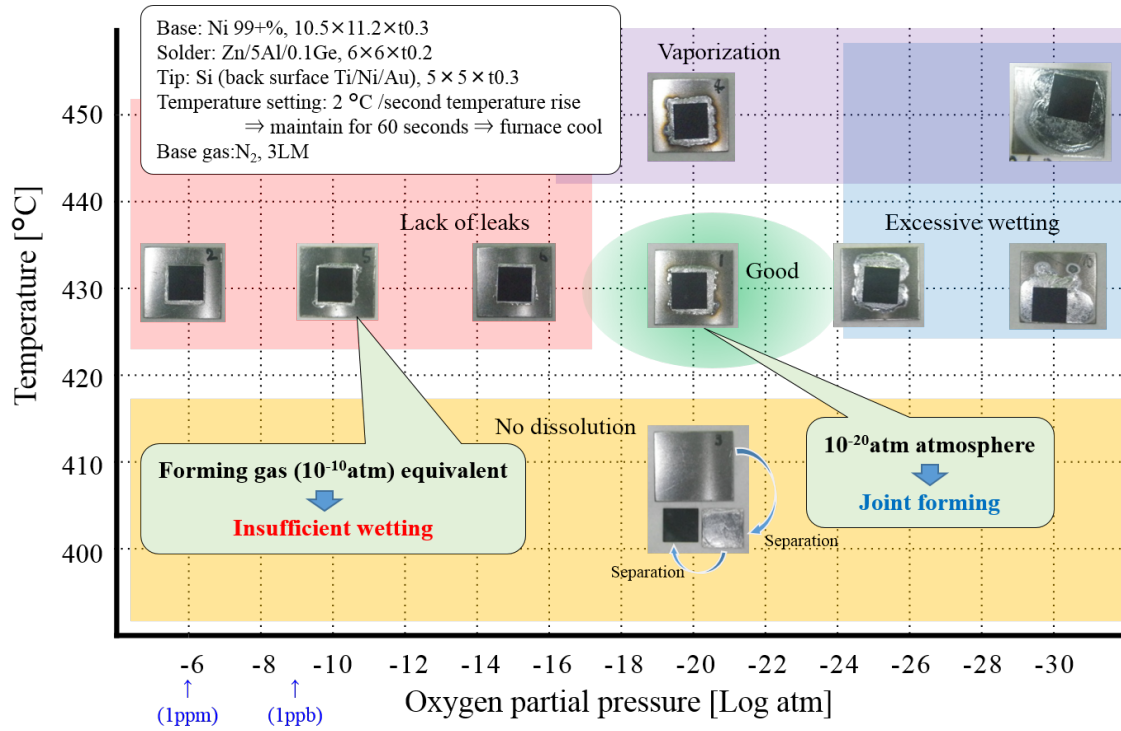
(1) Verifying oxidation/reduction using Ni and Fe

Using nitrogen whose oxygen partial pressure is adjusted to oxidize or reduction level, we verified that metal is oxidized in an environment of higher oxygen partial pressure than its dissociation pressure or reduced in an atmosphere of lower oxygen partial pressure than its dissociation pressure.



(2) Results of Zn/Al solder joints

Using a low oxygen partial pressure gas, we achieved the proper forming of Zn/Al solder joints, which are difficult using conventional methods.



Contact Us

Please contact cmi-sales-ml@mail.canon with any inquiries about equipment or technologies.

We can also evaluate samples.