Summary
A one liquid epoxy adhesive contains the main component epoxy resin, a curing agent, a cure accelerator, etc. in a mixed state. When it is heated, their respective functions will come into action, and curing reaction begins. A composition analysis of an existing product has the following advantages:
- Reference information on the products developed on your own is obtained.
- Results of such analysis will lead you to predict an occurrence of troubles.
We have actually a track record in performing an analysis of UV-curing type adhesives as well as thermosetting-type adhesives.

Flow of analysis

Example of analysis: Analysis of a curing agent and epoxy resin

Fig. 1 IR spectrum of curing agent and search results

→ Curing agent was identified to be dicyandiamide.

Fig. 2 FD/MS spectrum of epoxy resin

→ Epoxy resin was identified to be crezol novolac epoxy resin.