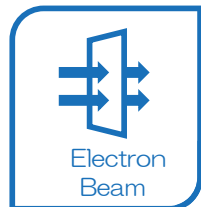


Nuclear Fuel Industries, LTD. Irradiation Service Div.



President	Mr. Masaaki Yoshikuni
Established	1999
Capital	1,000,000,000JPY (whole company)
Employees	25
Address	1-950, Asashiro-nishi, Kumatori-cho, Sennann-gun, Osaka, 590-0481 JAPAN
Tel	+81-72-452-1948
Fax	+81-72-452-1949
Website	http : //www.nfi.co.jp/NFIS/
Contact person	Mr. Taaakuya Ogawa Group Manager, Sales Group.
E-mail	ogawa@nfi.co.jp



Quality Management Certifications

○ISO-9001

Office / Plant

Kumatori works

Core Technologies and Capabilities

Irradiation Service using Electron Beam and X-rays

Materials

Almost all materials (resin, metal, plant) depends on a purpose.

Major Customers

【Aerospace sector】 -

【Other sectors】 Kitamura LTD. , Toshiba, Kawamoto Corp.

Main Equipment

Equipment (Maker)	Capability	Number
High energy E-beam accelerator : Rhodotron (IBA)	200kW, 10MeV	1

Strengths and Competitive Advantage

We irradiate almost all materials using electron beam (EB) and X-rays to reform and sterilize. “Reform” includes cross-linking, degradation and graft polymerization of materials.

In FRP composite manufacturing, compared with conventional resin solidification autoclave process, our EB irradiation process is able reduce manufacturing costs by 40%. This cost advantage of our EB irradiation technology was substantiated in the METI national program which was completed in 2007.

Our plant irradiates EB under atmospheric pressure and at room temperature (see Fig.2).

If you plan to use biomass material as a filler, EB irradiation can be an effective pre-treatment step to wind off fibril structure, because cellulose is degraded by EB.

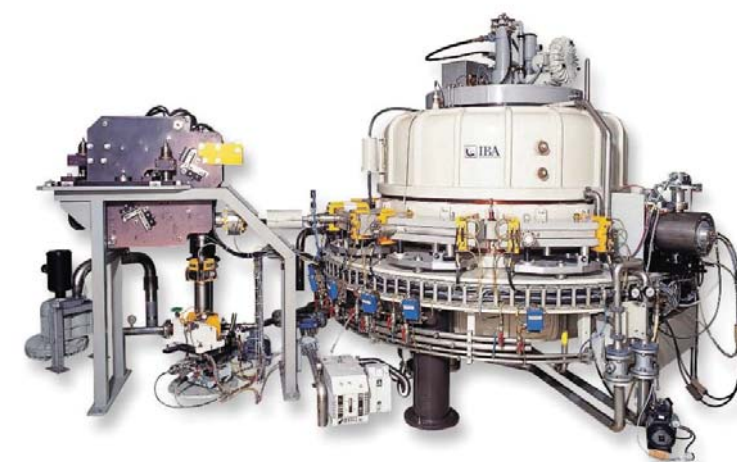


Fig.1 Accelerator



Fig.2 Irradiation Room