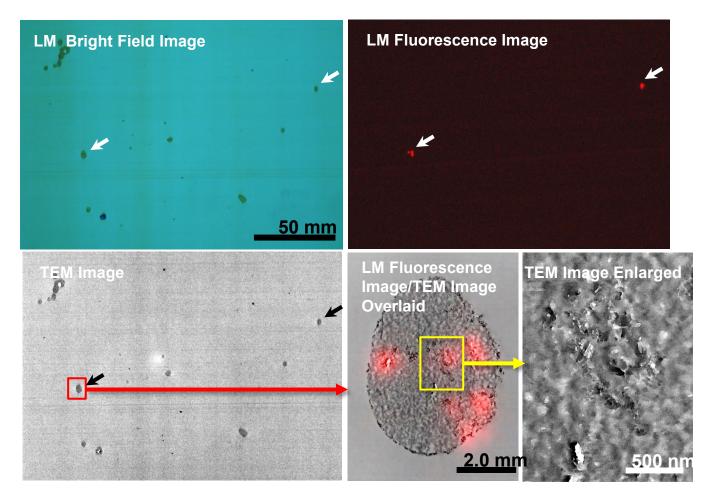


Identification of fine particles emitting fluorescence in toner

Product used : Transmission Electron Microscope (TEM)

In toner, there are a variety of color particles to produce vivid colors. Therefore, when irradiating specific light wavelengths to toner particles by using a light microscope (LM), fluorescence characteristic to each color particle can be observed. Using the "on chip CLEM" which enables overlaying images with high precision, we were able to easily identify fine particles that emitted fluorescence and perform detailed TEM observations.



Sample : Toner Imaging device: Nikon Eclipse LV100DA-U, TEM: JEM-1400flash

JEOL Ltd.

JEOL

Copyright © 2022 JEOL Ltd.

Certain products in this brochure are controlled under the "Foreign Exchange and Foreign Trade Law" of Japan in compliance with international security export control. JEOL Ltd. must provide the Japanese Govern of Assurance" and "End-use Certificate" in order to obtain the export license needed for export from Japan. If the product to be exported is in this category, the end user will be asked to fill in these certificate forms.



3-1-2 Musashino Akishima Tokyo 196-8558 Japan Sales Division Tel. +81-3-6262-3560 Fax. +81-3-6262-3577 www.jeol.com ISO 9001 · ISO 14001 Certified

AUSTRALIA & NEW ZEALAND • BELGIUM • BRAZIL • CANADA • CHINA • EGYPT • FRANCE • GERMANY • GREAT BRITAIN & IRELAND • ITALY • KOREA • MALAYSIA • MEXICO • RUSSIA • SCANDINAVIA SINGAPORE • TAIWAN • THE NETHERLANDS • USA