



# Product-related Environmental Response

## Management and Control of Chemical Substances Contained in Products

Although chemical substances are indispensable for our daily life, they can have a grave effect on the environment if they are not used and controlled in an adequate way. The Oki group is well aware of this effect and therefore working to manage and control chemical substances contained in its products.

### Control Criteria for Chemical Substances

Oki designated 292 chemical substances in products that have a grave effect on the environment and controls them by classifying them into prohibited substances, restricted substances and voluntarily controlled substances. We have comprehensive controls in place that also cover the six substances subject to the RoHS Directive (European Union (EU) regulations on the use of chemical substances contained in electric and electronic equipment) - lead, hexavalent chromium, cadmium, and others.

#### ● Control Criteria for Chemical Substances

Classification	Prohibited Substance	Restricted Substance	Voluntarily Controlled Substance
Number of Substances	97	94	101
Designation Criteria	<ul style="list-style-type: none"> <li>Substances prohibited for manufacturing by laws and regulations</li> <li>Substances requiring manufacturing licenses according to laws and regulations</li> <li>Voluntarily prohibited substances</li> </ul>	<ul style="list-style-type: none"> <li>Substances that a reduction (for example, the time from when a substance will be prohibited for manufacturing) is already decided by laws and regulations</li> <li>Voluntarily restricted substances</li> </ul>	<ul style="list-style-type: none"> <li>All substances not included in "prohibited substances" and "restricted substances".</li> </ul>

### Green Procurement Surveys

On the basis of the "Green Procurement Standardization Guidelines" created by the Conference on the Standardization of Green Procurement, we established our own "Oki Green Procurement Standard", which has been applied since fiscal 2002. Following this standard, we make a survey with our suppliers regarding the chemical substances contained in parts and materials. The Green Procurement Standard contains two documents: one that is applied to electronic and mechanical parts purchased by divisions related to equipment, and one that is applied to material, etc. purchased by electronic device divisions. The standards are published on our website.

### Analysis of Substances Contained

If we cannot obtain a reply from the supplier to our survey on substances contained in a part or material, we have to check for the designated substances by ourselves. To do this, the Oki group introduced energy-dispersive X-ray fluorescence spectrometers, which can analyze parts rapidly without destroying them. The equipment supports all kinds of test material, such as powder, fluids, metals, plastic, rubber, and others, and can detect a broad range of elements.

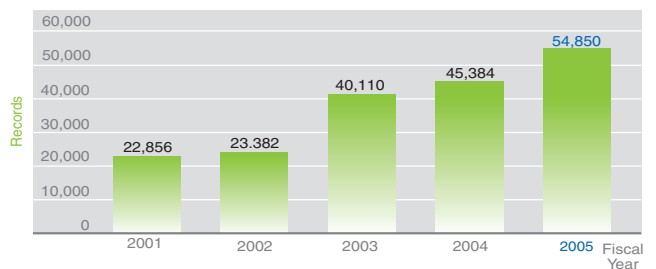


Energy-dispersive X-ray fluorescence spectrometer

### Parts Information Database

The data on chemical substances contained in purchased parts and materials are registered in our Parts Information Database. In fiscal 2005, the accumulated number of database entries grew by 21% compared to fiscal 2004. We will go on to enhance our Parts Information Database even further.

#### ● Accumulated Number of Entries in the Parts Information Database



### Information System for Chemical Substances Contained in Products

"COSMOS" is an information system for chemical substances contained in products. We developed this system by ourselves and are now sharing it in the entire Oki group. COSMOS enables us to share the results of green procurement surveys, to rationalize the calculations on chemical substances contained, and also to rapidly reply to surveys received from customers. We will continue to enhance this system as a tool for evaluating the environmental impact of a product in a comprehensive way.

#### ● Chemical Substances Survey Flow in Green Procurement and the Information System for Chemical Substances Contained in Products

