### r q » É ~ f KAWASAKI STEEL GIHO Vol. 32(2000) No.3

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Iron Powders Expand Applications of Iron with Various Functions

#### o R Å ‡ (Kuniaki Ogura)

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Synopsis :

Kawasaki Steel started the integrated production of reduced iron powder in 1966, when iron powder started to regularly be applied to automobile sintered parts. Moreover, Kawasaki Steel has been the only iron and steel powder manufacturer in Japan producing both reduced and atomized iron powders. KIP(R) brand iron powders are expanding the applications of iron via various uses, considering the nature of iron and powder. For the improvement of productivity by decreasing the dimension scattering of parts or shortening the heat-treatment of sintered products, accordingly iron powder has been applied taking account of the nature of iron mechanics and the flowability and forming by compression of powder. For this application, Kawasaki Steel supplies segregation-free powders and alloy steel powders for high strength parts. With the iron's magnetic nature and the small particle diameter of powder, ito powder, the chemical properties of iron and large particle-specific area of powder, iron powder is applied to electromagnetic material, such as the dust core or oxygen absorber, body warmer, and chemical raw materials to recover metals of value in the process effluent. ISO9001 and ISO14001 certification have been granted for iron powder production and products at

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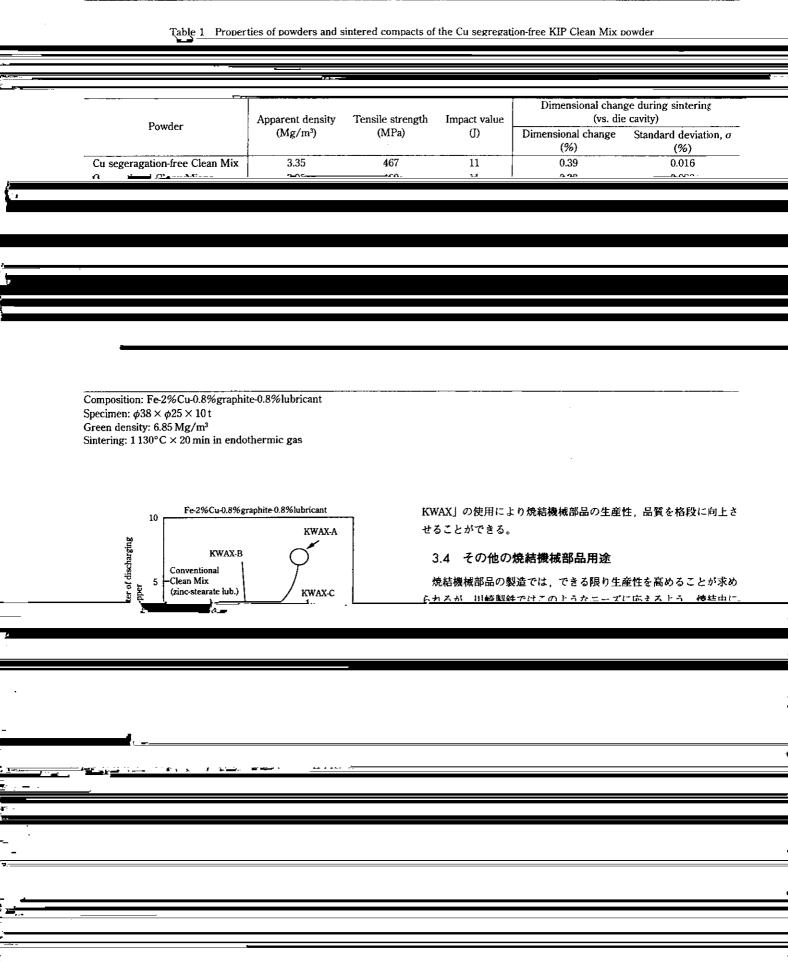
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## Iron Powders Expand Applications of Iron with Various Functions

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