

# Iron Powders Expand Applications of Iron with Various Functions\*



## *Synopsis:*

*Kawasaki Steel started the integrated production of*

ities by installing the second atomized iron powder plant in 1991, the second vacuum reduction plant in 1992, and Clean Mix plant in 1994 and 1999, thus making efforts to meet the diversifying needs of customers by developing new technologies and new products and expanding the production capacity.

7 Applications in Sintered Machine Parts and

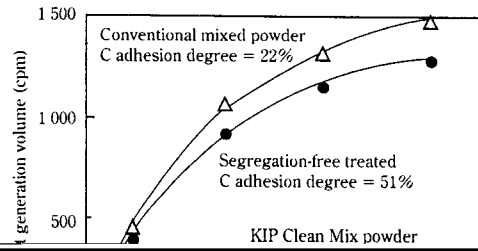


Table 1 Properties of powders and sintered compacts of the Cu segregation-free KIP Clean Mix powder

		Dimensional change during sintering



large specific surface area of a powder particle. In the reactions with the oxygen in the air, it is an oxidation inhibitor that absorbs the oxygen in the packaging of

## References

- 1) K. Ogura: *Kawasaki Steel Giho*, **31**(1999)2, 125
- 2) T. Kimura: "Powder metallurgy—Its History and Advances",