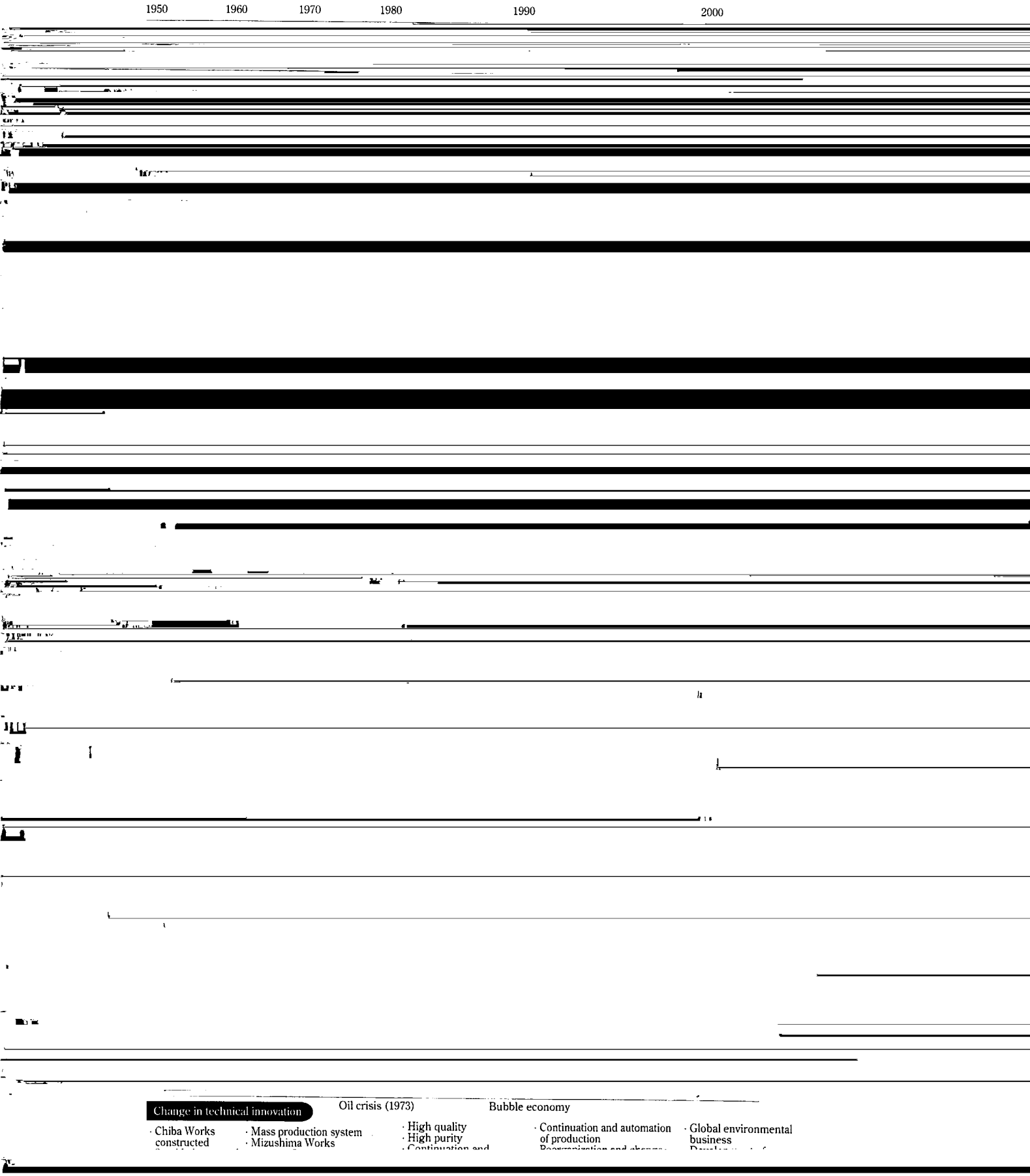
KAWASAKI STEEL TECHNICAL REPORT No. 44 June 2001

Research and Development Creating the Future of Steel*

Synopsis:


1950
1960
1970
1980
1990
2000
Change in technical innovation
Oil crisis (1973)
Bubble economy
· Chiba Works constructed
· Mass production system
· Mizushima Works
· High quality
· High purity
· Continuation and automation of production
· Global environmental business

Corporate Planning Dept. : Management of policy and planning

Product Business Unit

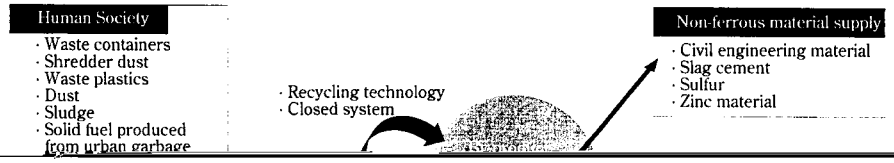
Product Business Planning Dept. : Product strategy/Profit planning/Technical marketing

Sales Dept. (Sale)

Steel Works (Production)

· Pb free steel sheet for fuel tanks

· Ultra high r-value cold rolled steel sheet


Human Society
· Waste containers
· Shredder dust
· Waste plastics
· Dust
· Sludge
· Solid fuel produced from urban garbage
· Recycling technology
· Closed system
Non-ferrous material supply
· Civil engineering material
· Slag cement
· Sulfur
· Zinc material

production technology for high purity solar-grade silicon for use in solar cells based on metallurgical treatment processes.[23] In the field of measurement and control technologies, the company has developed a flaw detec-

Steel intends to maintain a stance that attaches great importance to research and development in the future, as it has in the past.

orescence method,[24] a technology for evaluating the properties of electrical steel sheets for use in motor cores,[25] and other technologies, contributing to process control not only in iron and steel processes, but also in other fields of industry. In the field of analysis, the com-

1) "Kawasaki-Seitetsu 25-nenshi", (1976)
2) M. Kondou: "Kenkyuu-Kaihatsu Management Kenkyu-ushitsu-Houmon-Series VISIT78 Kawasaki-Seitetsu Gijutsu-Kenkyuusho", **8**(1998)10, 96
3) A. Tosaka, T. Hira, and O. Furukimi: *Kawasaki Steel Giho*, **32**(2000)1, 7