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effective and stable production system of high purity stainless steel has been achieved by the development of a new process flow including the smelting reduction process that directly uses fine chromium ore, the top-and-bottom blowing converter process with high decarburization rate and VOD process. This process is linked with a smelting reduction process for recycling chromium containing dust (STAR process). In the continuous casting process, the introduction of a vertical-bending type continuous

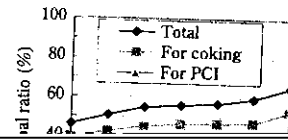
**Ironmaking and Steelmaking Technologies
as Fundamentals for the Steel Production**



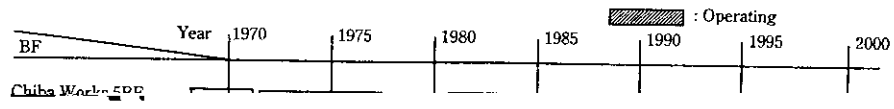
要旨

1 緒 言

日本鉄鋼業の年間粗鋼生産量は、1973年に約1.2億トンのピーク



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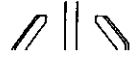


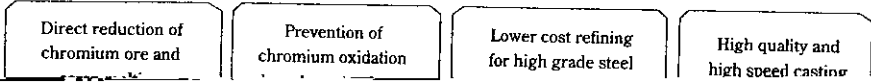
Blast furnace

Deslagging
center

Dephosphorization
and desulfurization

Deslagging
center





Hot metal

Combined decarburization



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に代る。7 株式会社

- 16) 安野元造, 西村博文, 小林敬司, 大西慎吾, 佐久間義朗: 材料とプロセス 26) 今井卓雄: 第100回西山記念技術講演会 (1994年11月) 101