

No.1 and 2 Vacuum tank

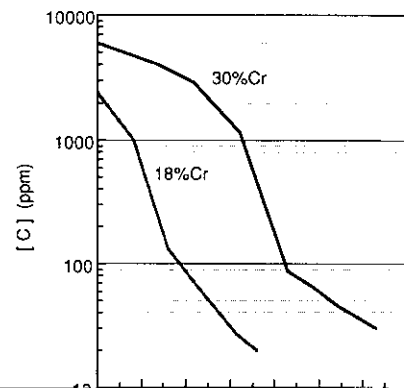
\*LT: Ladle treatment

Fig. 6 Schematic view of VOD equipment

Table 4 Specifications of VOD

Item	Specification
Type	Twin tank and single vacuum unit
Ladle cover transfer car	3 for 1 VOD cover and 2 LT covers
Heat size	178 t
Vacuum unit	2 boosters and 2 step - 5 ejectors
Suction capacity	6 800 kg/h at 186 hPa 700 kg/h at 0.7 hPa
Vacuum attainable	0.3 hPa
Dedusting system	Dry type
O <sub>2</sub> lance	Multi holes water-cooled type

Fig. 7 Relation between optimum carbon content at tapping and chromium, nitrogen content level in combined decarburization process



り、スーパーフェライトステンレス鋼専用であった旧第1製鋼工場VODを凌駕する脱炭速度での処理を大ヒートサイズで実現することができ、Cr ≥ 16%、[C] + [N] ≤ 120 ppmクラスのスーパーフェライトステンレス鋼の生産性は大幅に増大した。

Table 6 Functions installed to improve slab quality

Facilities	Invested functions
Ladle	AMEPA type slag detector



All stainless steel slabs

1 R