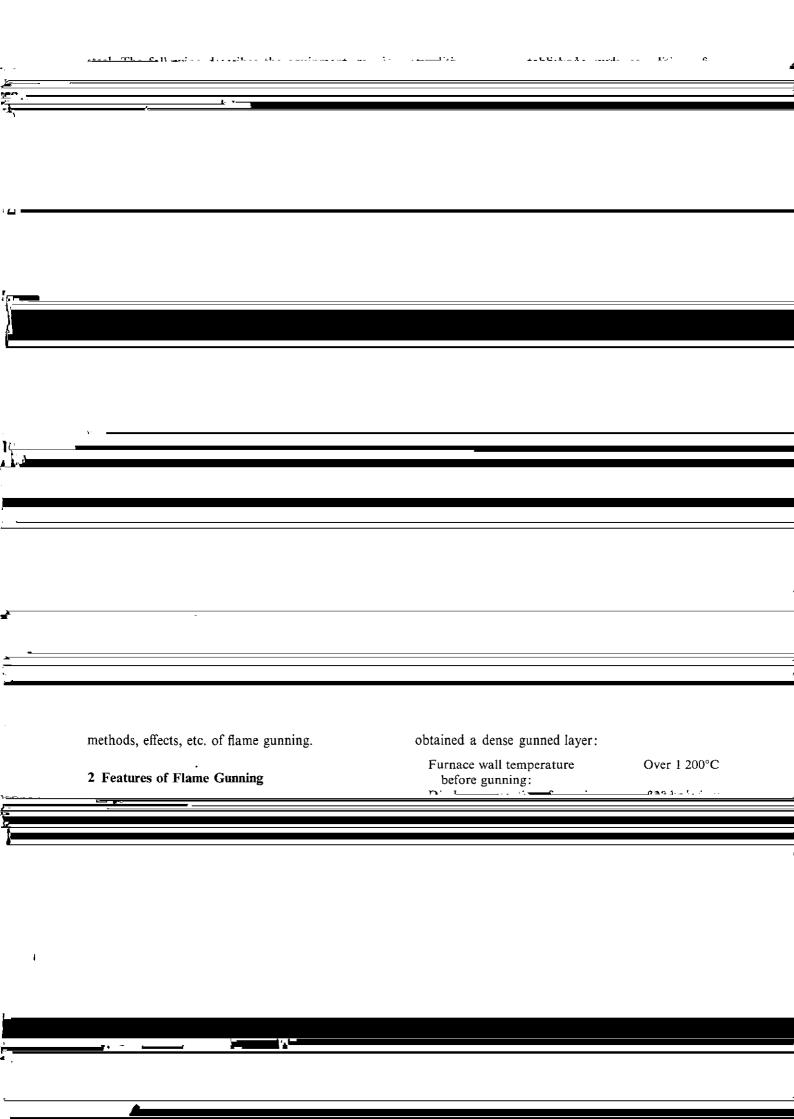
## **Application of Flame Gunning to Hot Fettling of BOF\***

	Tadashi	MORIMOTO,**	Shigeru OGURA **	Teruo HIRAMATSU **	
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	A thermal spraying technique i	in which dead huri	nt magnesia nowder is nari	ially fusad in	
	flames made by combustion of p	premixed coke poi	wder in oxygen flow gas a	nd bonded to	
	the furnace wall has been appl	ied to the hot re	pair of BOF. The technic	que is called	
	the "flame gunning" and introdu hard operation such as stainless	iced to No. 1 stee steel blowing is c	elmaking shop at Chiba V	Vorks, where	
	As the flame gunned layer has	s such low porosit	y as that of burnt magne	esia-dolomite	
	brick, it can withstand 2 heats of	f stainless steel b	lowing and 11 heats of lo	w alloy steel	
	blowing. By the introduction of $f$ to 26% less than the cost withou		total refractory cost has	been reduced	
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## 3.1 Gunning Mass Feeding System

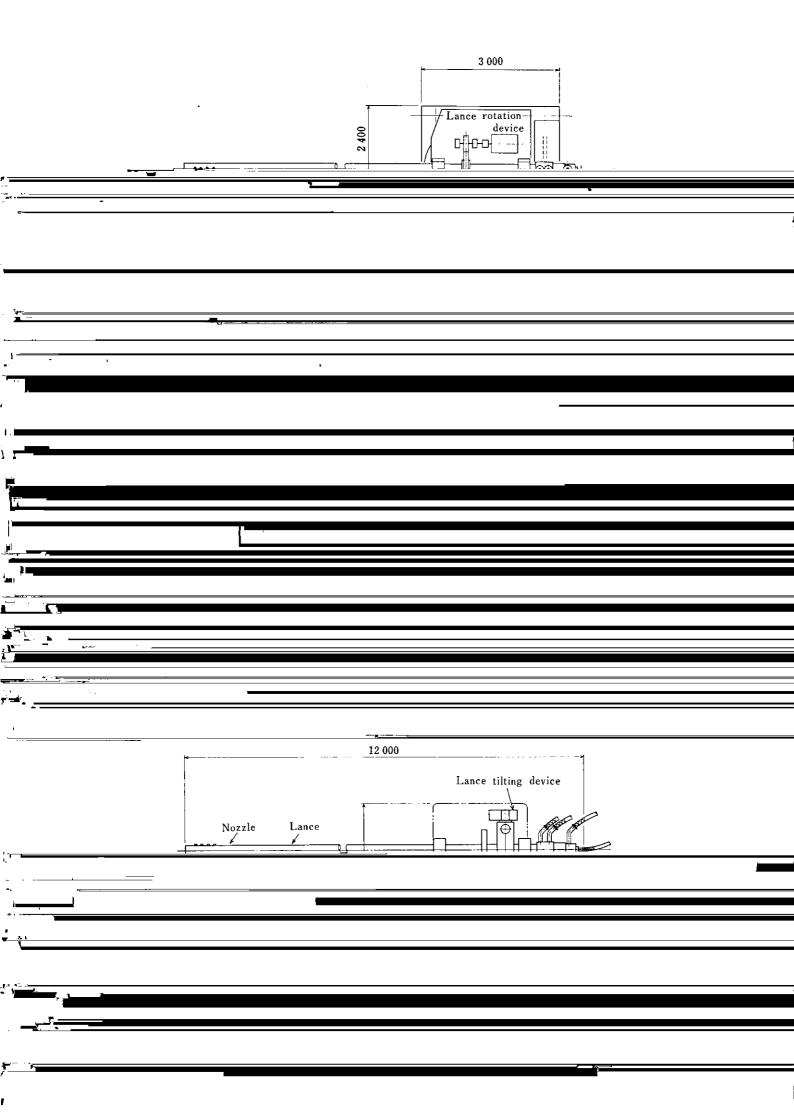
Table 1 Specification of gunning mass feeding system

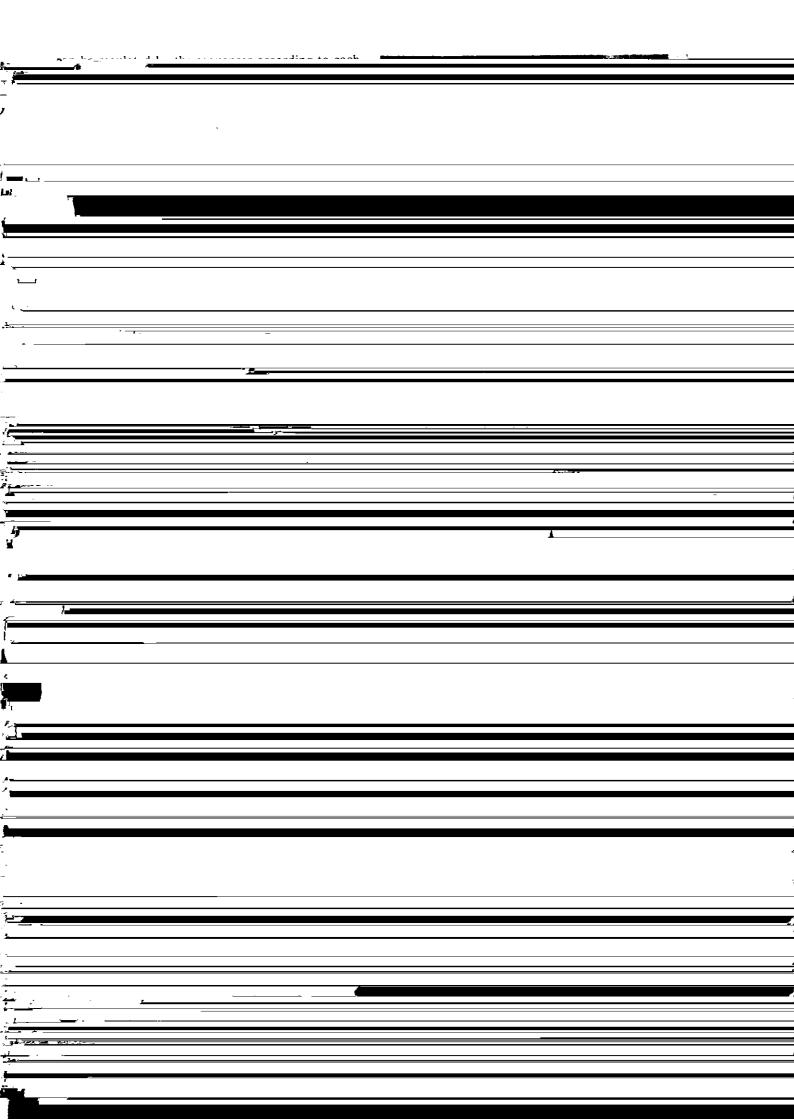
This system stores gunning mass, transports it to the gunning lance and feeds it together with oxygen

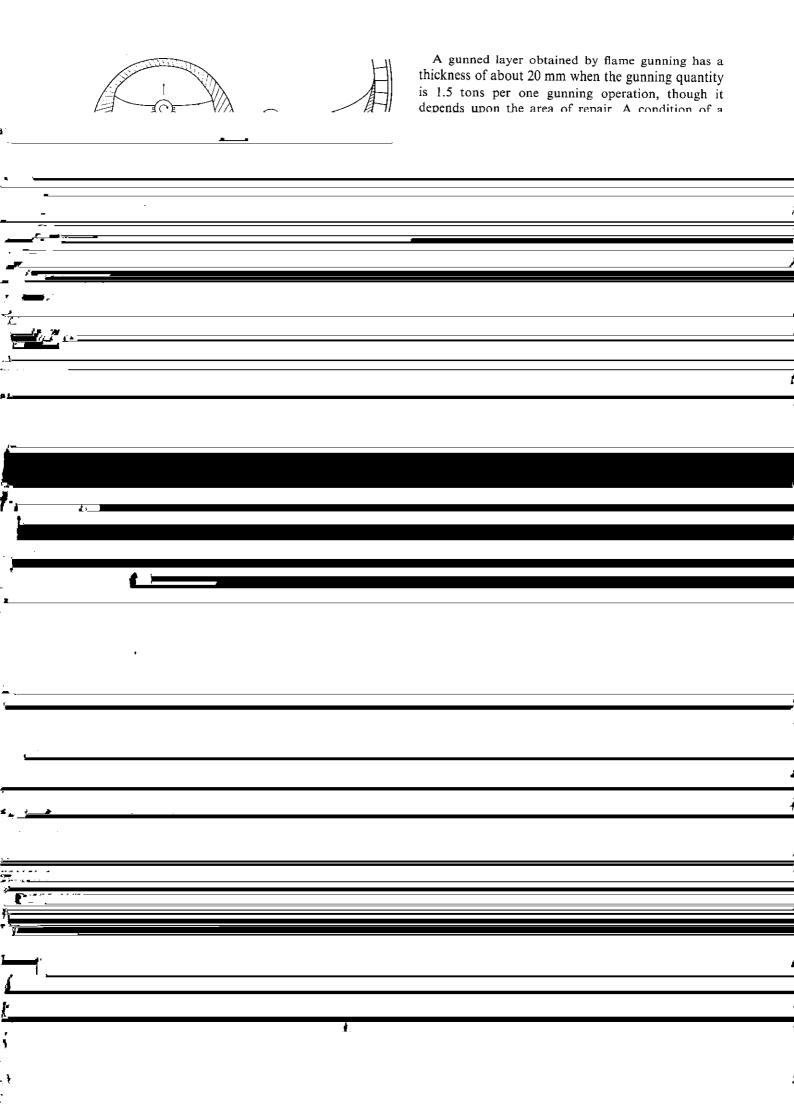
Pressure tank

Vertical cylinder type

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	provement of the repairing technique coupled with	Consequently, it is expected that flame gunning
1	the high durability of the gunned layer produced through flame gunning, a 26% reduction in refractory	will play an important role in the future BOF operation which will inevitably entail an increase in the
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