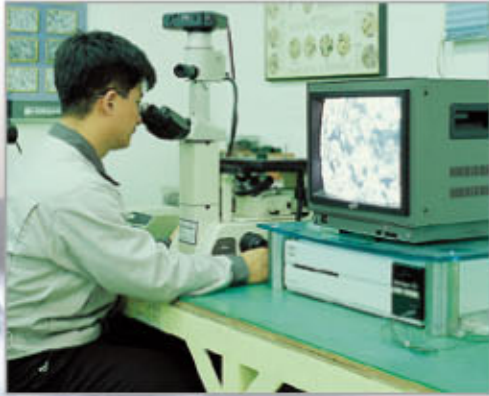
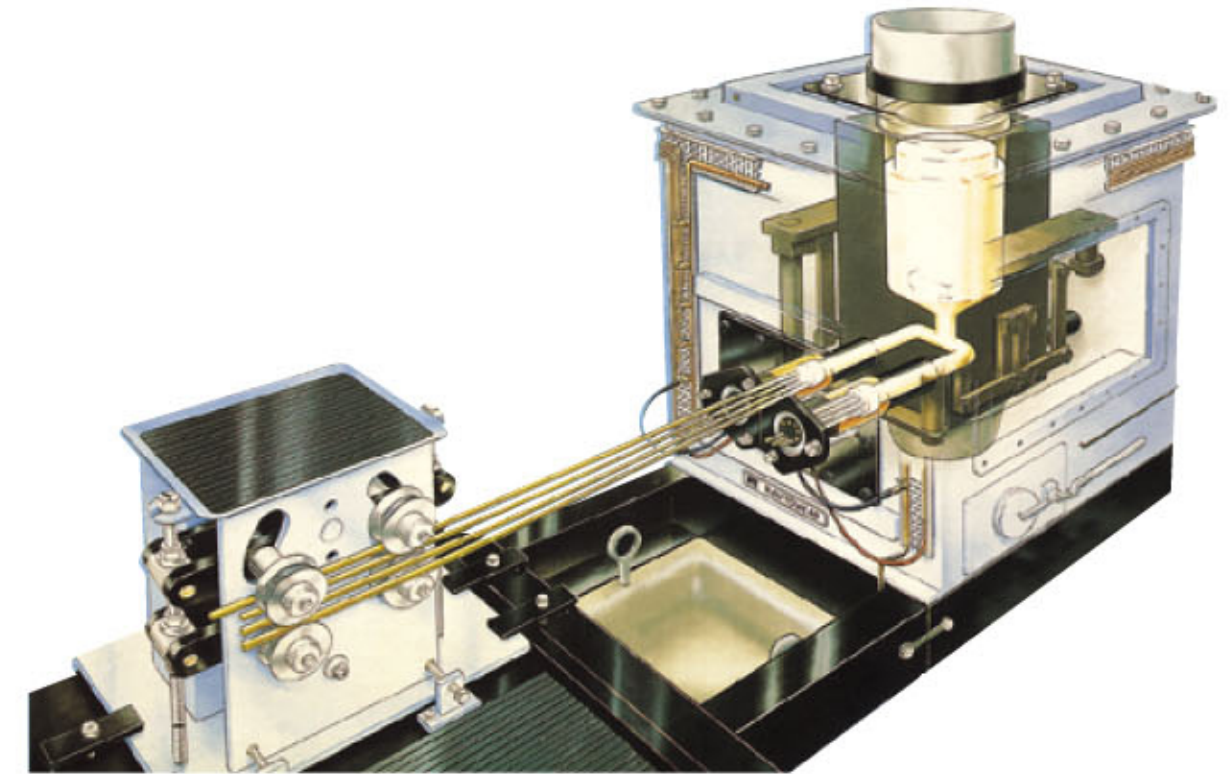


HORICCA

(Horizontal Continuous Casting)



Characteristics of Horicca Process



Conventional Process vs. Horicca Process

Comparison	Conventional Process	Horicca Process
Name	Vertical Continuous Casting (SCC, VCC)	Horizontal Continuous Casting
Main Equip.	Melting F'ce Holding F'ce Casting m/c Hot & Cold Working Equip.	Melting F'ce Holding F'ce Cold Working Equip.
Crucible	Refractories	High Purity Graphite
Melt Contamination	High	Very Low
Degassing	By Charcoal & Reducing Gas Degassing Agent	By Inert Gas Bubbling Graphite Filter
Product O ₂ Content	<10ppm	<5ppm
Other Gas Content	Low	Very Low
Micro Alloying	Poor	Excellent
Applicable Item	Restriected	Variable
Subsequent Process	Must be hot worked	Not necessary to hot work