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# MPT

INTERNATIONAL

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# The Bright World of Metals.

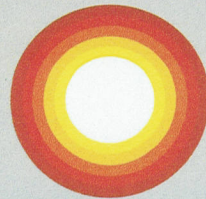
GIFA



METEC



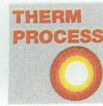
THERM  
PROCESS



NEWCAST



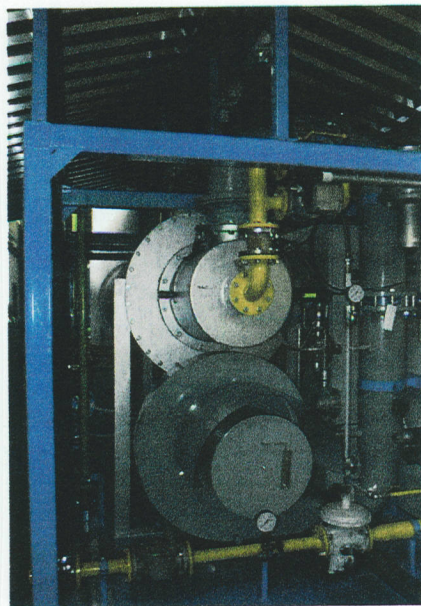




## Preview of exhibitors

### High-capacity inert gas generator for DRI plants

FK Industrieofenbau + Schutzgastech-  
nik will exhibit its inert gas generator  
for DRI plants. The generator is spe-  
cially designed for situations in which  
large amounts of inert gas must be  
available in a short time, for example,



Inert gas generator

during leakage of explosive gases from the shaft furnace during operation, in the event of removal of combustible gases and backwash of the system during shut down, to pressurize the system with inert gas during start-up, keep a positive pressure in the reactor unit by filling with inert gas during standstill of the system in order to prevent re-oxidation of the still hot product.

The inert gas generator mixes oxygen and natural gas in a burner especially designed for the purpose. The oxygen/natural gas mixture is blown into a double walled, water-cooled stainless steel combustion chamber. The ignition of the burner is carried out by means of a high voltage electrode. The generator operates fully automatically by means of inert gas analysis control – operators are not required. In just 30 minutes, the generator produces a gas rate of 3,500 m<sup>3</sup>/h (s.t.p). During operation, the generator adjusts itself to the required amount of inert gas.

#### FK Industrieofenbau + Schutzgastechnik GmbH

Hall 9, stand B22 (Thermprocess)  
[www.industrieofen-schutzgas.de](http://www.industrieofen-schutzgas.de)