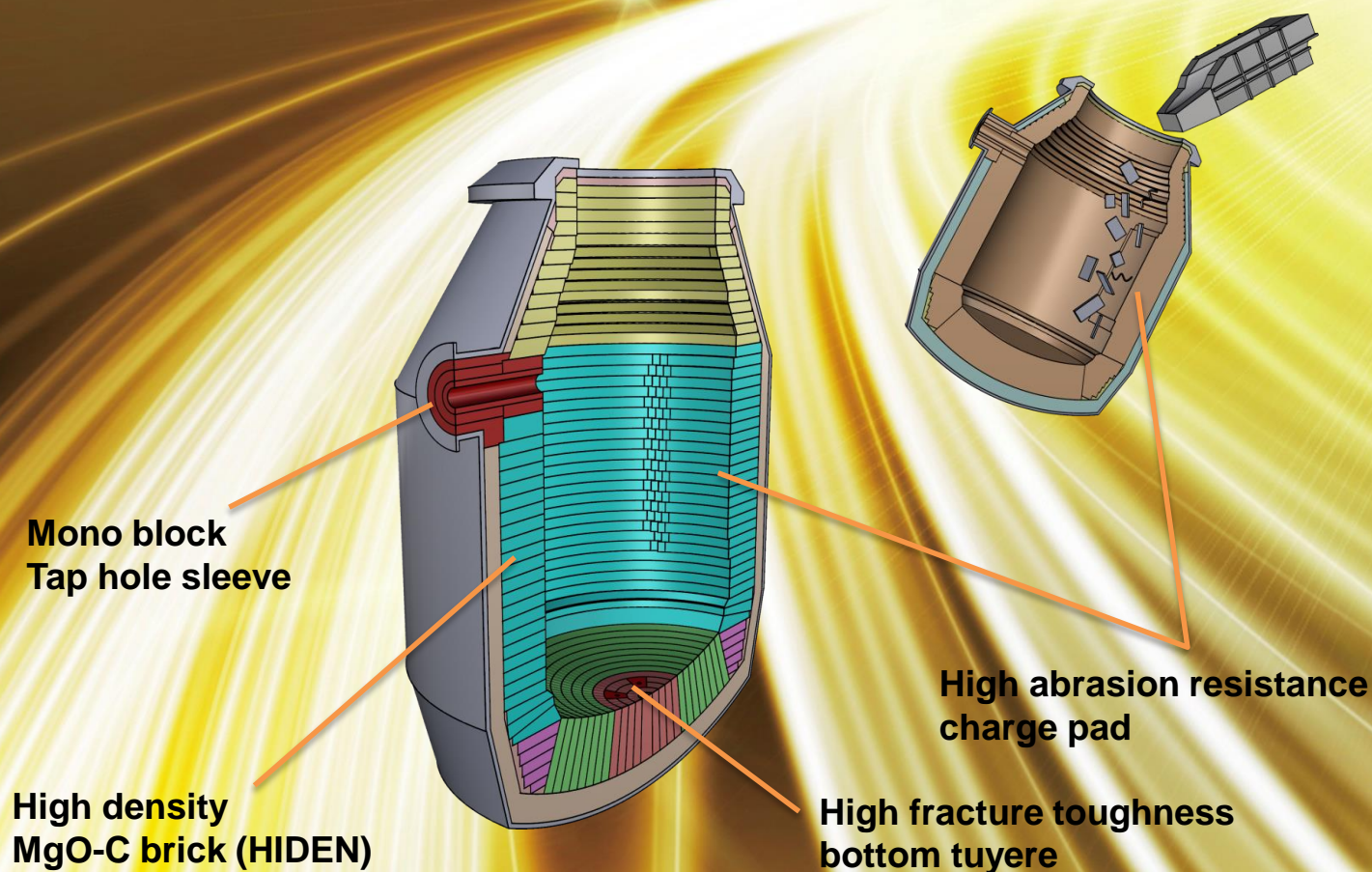


MgO-C for B.O.F.

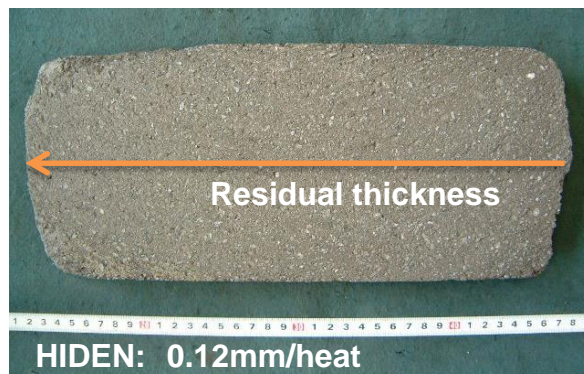
**High durability
& Large monoblock**



High density is the key property of high durability for slag line.

HIDEN is obtained by carefully controlled manufacturing process.

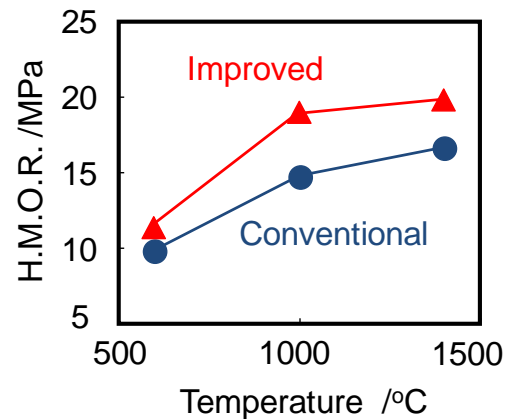
HIDEN is suitable to corrosive zone due to its high slag corrosion resistance.



Cross sections of the samples after use.

Abrasion-resistant brick is necessary for the heavy scrap consuming converter.

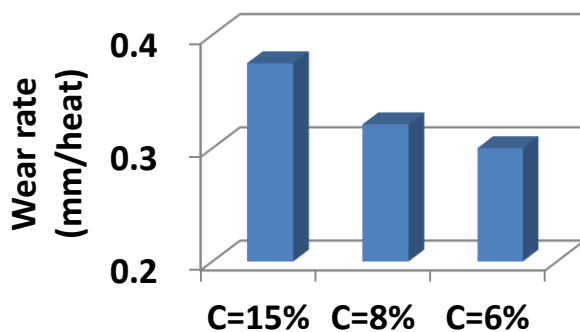
In order to reduce green house gas emission from iron making plant, steel mills need to consume large amount of scrap. Since scratching caused by scrap charging is the dominant factor of wear of the charging side, application of abrasion-resistant high H.M.O.R. brick is effective measure.



Large, complex shape MgO-C mono-blocks

SHINAGAWA's advanced manufacturing process enables to produce large, complex shape mono-block refractories.

For tap hole sleeve, protection layer formed on the hot surface improves the resistance to oxidization and slag corrosion. Low carbon materials is suitable to form protection layer.



For Multi-hole plug (MHP) well-evoluted microstructure increases the fracture toughness, resulting in reduction of peeling-off.

