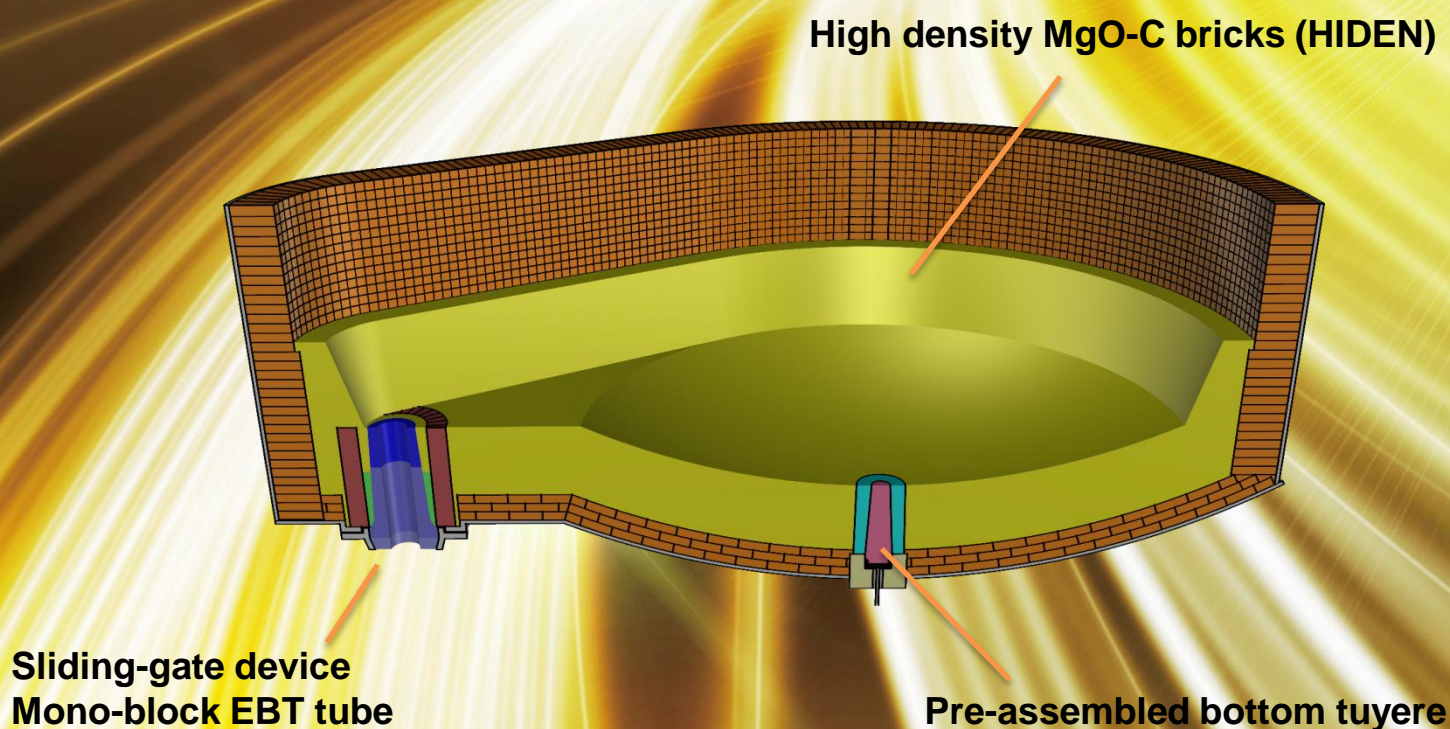


for E.A.F.

**High durability Brick
Tapping system
Bottom bubbling**

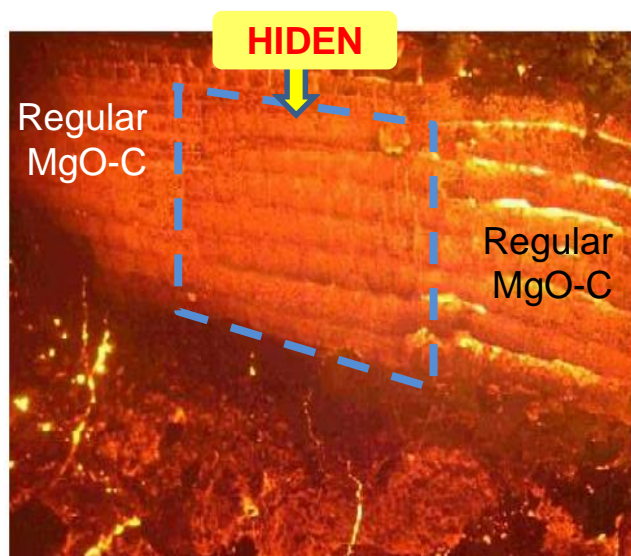


HIDEN shows excellent durability in EAF.

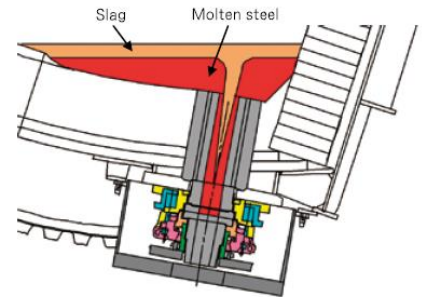
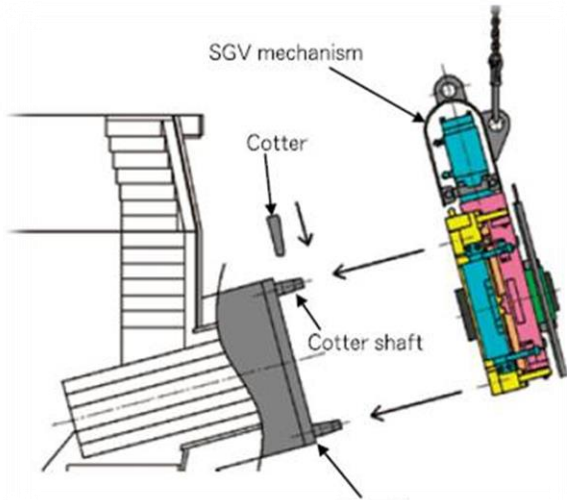
HIDEN is high corrosion resistance dense MgO-C brick produced by carefully controlled manufacturing process.

HIDEN is successfully used various kinds of furnace including EAF.

Customer	Furnace	Heat size (ton)	Life (heat)	
			Regular MgO-C	HIDEN MgO-C
A	EAF	145	200	890
	LF Ladle	145	32	38
B	EAF	125	200	Ave. 705
			350	Max. 900
C	EAF	220	250	290



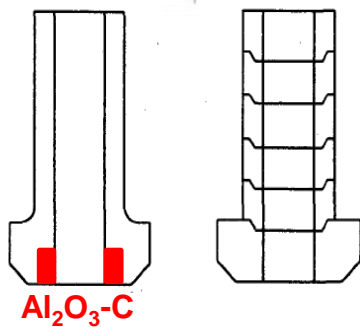
SHINAGAWA contributes to operational efficiency of EAF through tapping system.



Sliding-gate device for EAF

Introduction of sliding-gate device to EAF tapping system reduces slag contamination into the ladle.

Easy-installation mono-block EBT tube eliminates steel penetration in joint as well as bridging caused by joint wear. Moreover, $\text{Al}_2\text{O}_3\text{-C}$ material used for terminal area prevents skull adhesion.



Mono-block type

Assembly type

Pre-assembled bottom bubbling tuyere

Pre-assembled bottom bubbling tuyere reduces installation load as well as risk of steel leakage.

Application of a pre-assembled unit with a large mono-block sleeve reduces the installation time (about 3 hours) as well as risk of steel leakage along tuyere.

