HTT ENGINEERING, spol. s r.o.
Cimburkova 567/10
Brno 612 00, Czech Republic
IC: 03055035 DIC (VAT) CZ03055035

HTT OXYMO™

EAF BURNER/SUPERSONIC INJECTOR

New Level of chemical energy efficiency with oxygen jet and flame in motion

FEATURES

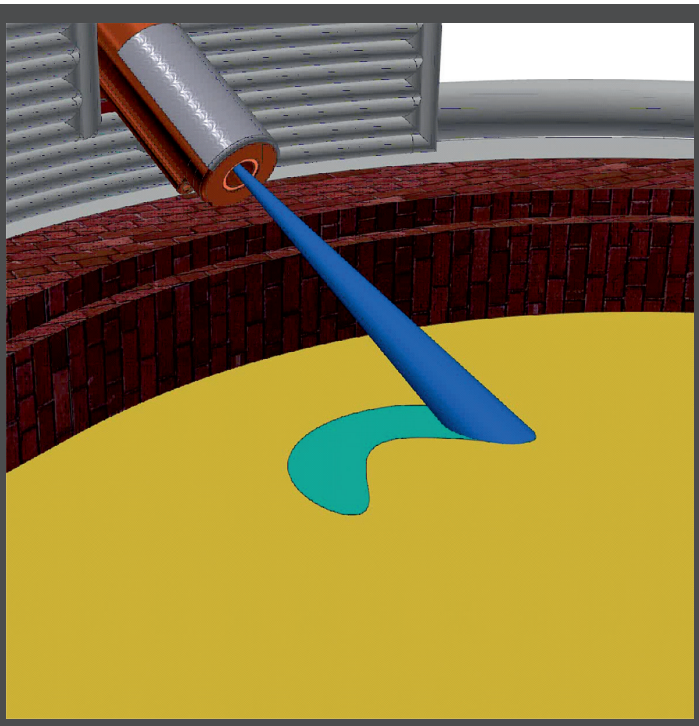
- Static burner body with moving nozzles inside
- Flame and oxygen jet travelling left to right in the furnace with up to 30° angle
- Downward firring / jet angle range 40 to 52 °
- Steep oxygen impact angle in lance mode
- Off set heat release and soft flame envelope
- Made of forged copper with high speed water cooling
- Smooth nozzles motion with low force
- Furnace tight installation
- Integrated carbon and lime lances
- No moving external parts
- Replaceable nozzle assembly

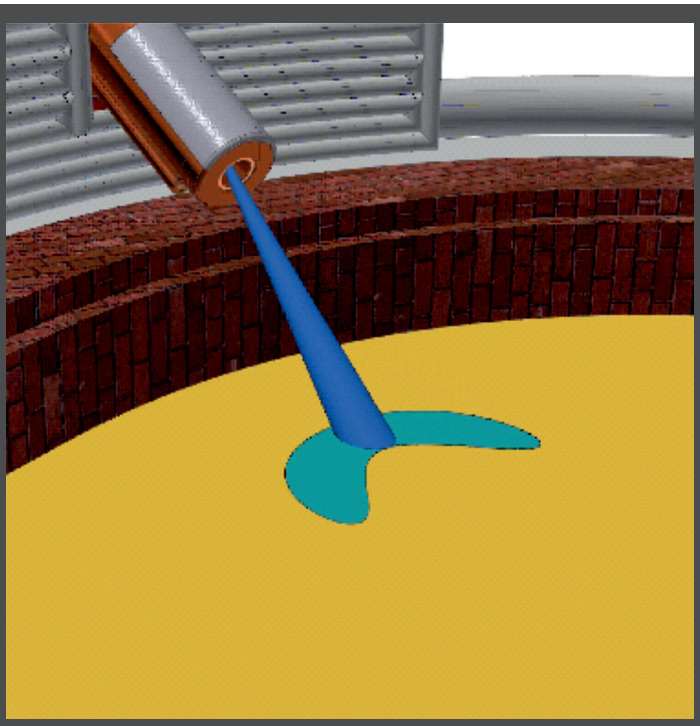
BENEFITS

- Superior burner energy efficiency - 5 x larger volume of scrap in contact with flame
- Superior oxygen efficiency in lance mode - short distance and steep impact angle of scrap in contact with flame
- Better bath mixing
- Low electrodes consumption
- Moving oxygen / gas nozzles inside the burner – all connections are static
- Lower refractory wear
- Lower energy consumption - shorter power on time

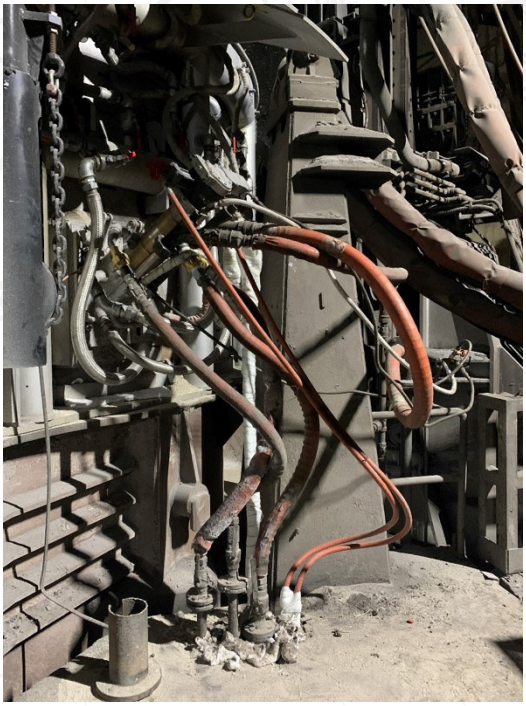
HTT ENGINEERING, spol. s r.o.
Cimburkova 567/10
Brno 612 00, Czech Republic
IC: 03055035 DIC (VAT) CZ03055035

FLAME / OXYGEN JET WORKING RANGE





Burner nozzles motion is performed via small hydraulic actuator with position transmitter integrated to burner structure on the cold side of the furnace.
Motion speed is controlled by flow of hydraulic fluid.
All connections remain stationary, simple and compact installation.
Available as compact unit with two replaceable lances for carbon and lime injection



See video with flame motion at
https://www.htte.eu