



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 supersonic jet motion from left to right (1 m range)
- › Downward firing / 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

## BENEFITS

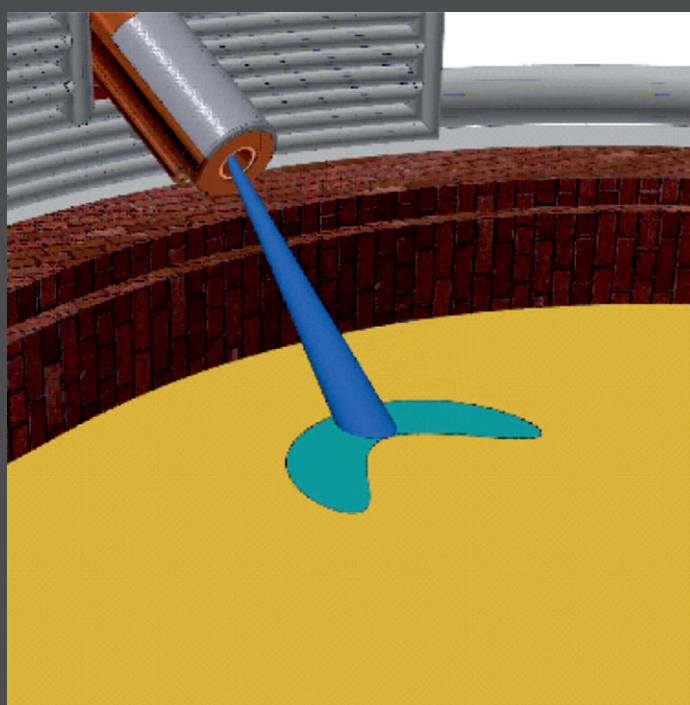
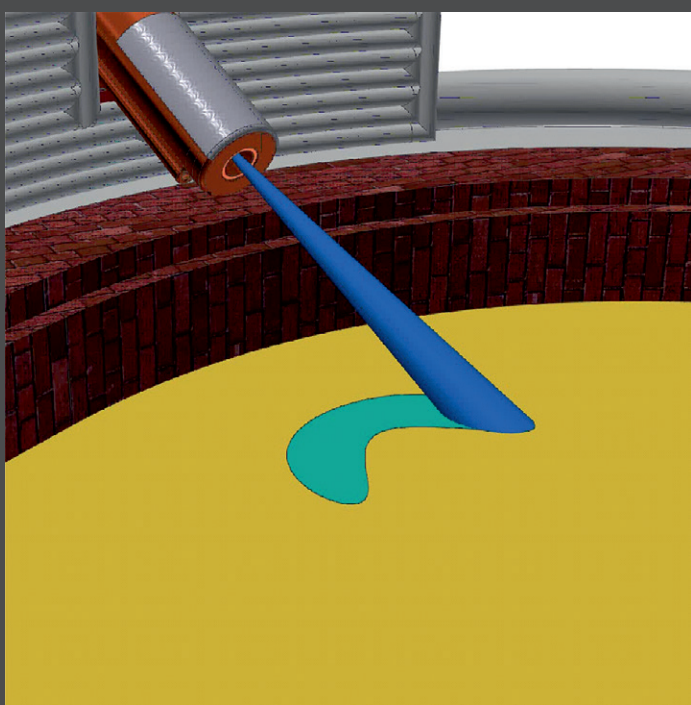
- › Large volume of preheated scrap
  - improved preheating efficiency
- › Efficient oxygen injection
  - steep oxygen impact angle
  - / short distance to bath
- › Lower electrodes consumption
- › Lower refractory wear
- › Lower energy consumption
  - shorter power on time



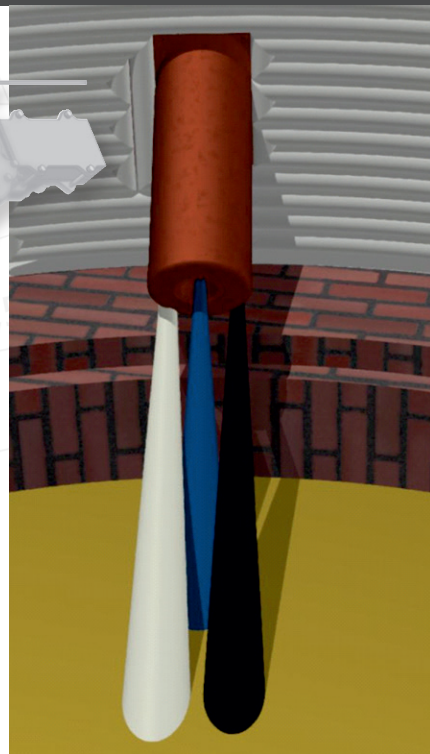
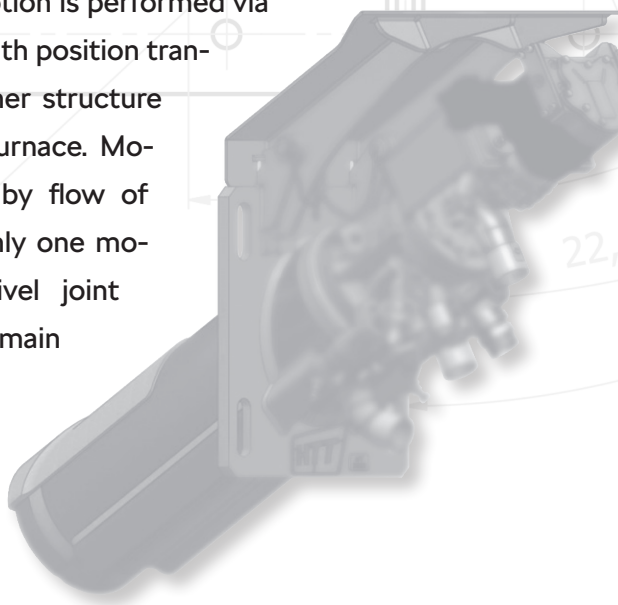


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## FLAME / OXYGEN JET WORKING RANGE



Burner internal 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. There is only one moving connection via swivel joint - all other connections remain stationary, simple and compact installation. Available as compact unit with two integrated lances for carbon and lime injection



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