

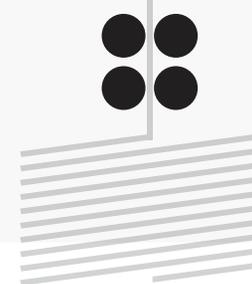


MINERALS  
TECHNOLOGIES



**MiNTEQ**

**SURE-CAL™**



CLU™ AND DISPOSABLE  
TIP TECHNOLOGY  
FOR CALCIUM  
TREATMENT

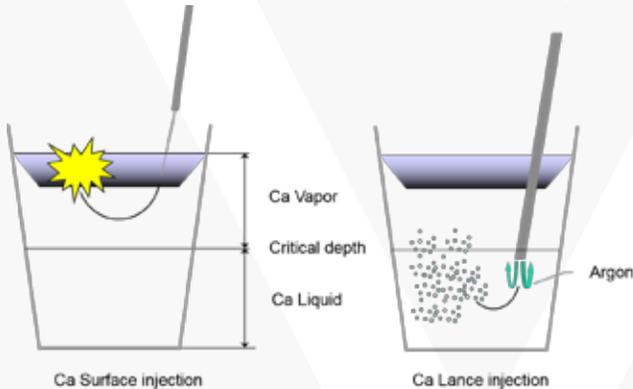


# CALCIUM INJECTION VS SURFACE FEED

## ADVANTAGES OF SURE-CAL™

- Metallurgically the best method of inclusion control
- Wire penetrates through slag line without slag contact
- More homogeneous treatment
  - Assured penetration wire angle in steel
  - Assured penetration depth with laser control
- Desired Results
  - Increased recoveries vs surface feed
  - Improved consistencies vs surface feed
- Proven success for 35 years with over 21 injection systems installed worldwide

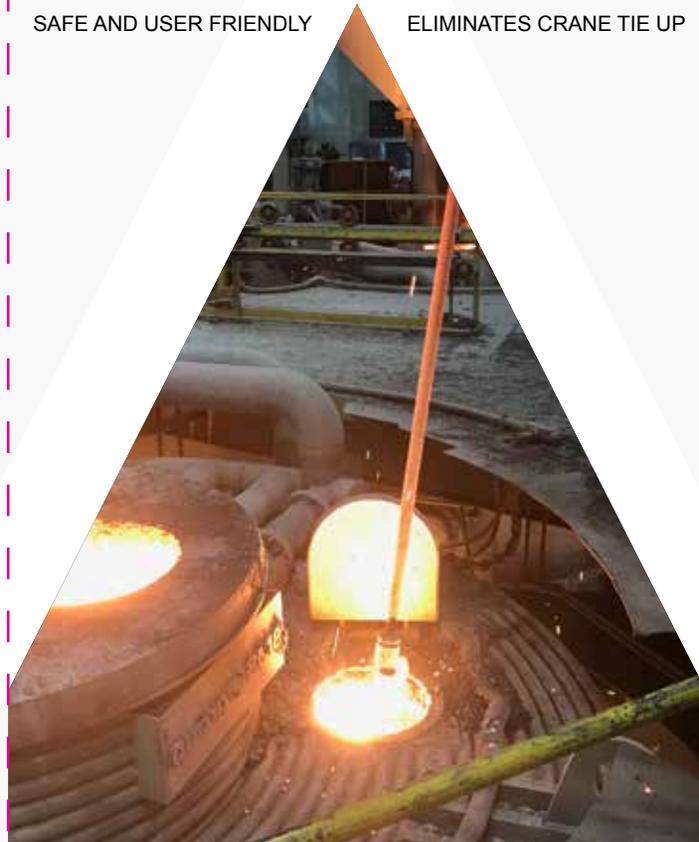
## CALCIUM LANCE INJECTION



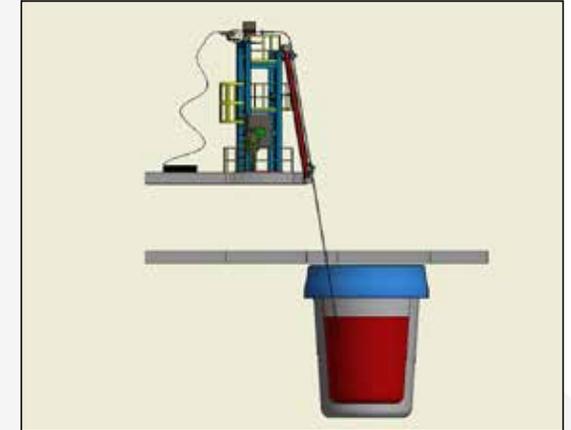
NEW DISPOSABLE LANCE TIP



DESIGNED FOR MULTIPLE INJECTIONS  
 DESIGNED FOR 24 INCH/60 CM PLUS PENETRATION  
 ALLOWS FOR MUCH SMALLER FOOTPRINT DRIVE MECHANISMS  
 ASSURED DEPTH PENETRATION – PATENTED LASER INTERFACE  
 SAFE AND USER FRIENDLY      ELIMINATES CRANE TIE UP



## FLEXIBLE LAYOUTS FOR VARIOUS LMF SETUPS



MINIMAL DISRUPTIONS WITH INSTALL AT LMFS

## VALUE TO STEEL TREATMENT

- Most consistent calcium treatment practice
  - Consistent calcium recovery in the ladle
  - Less calcium fade in the tundish
  - Better inclusion control
- Lowest cost calcium treatment practice
  - Highest recoveries - lowest calcium consumption
  - MINTEQ to partner with customers for equipment needs