

# THE SCHAEFER GROUP

A COMPANY LEADING THE WAY IN  
MOLTEN ALUMINUM PRODUCTION.



  
**The**  
**Schaefer Group, Inc.**  
Profitably Casting Your Bottom Line!

[THE SCHAEFER GROUP.COM](http://THE SCHAEFER GROUP.COM)

## THE SCHAEFER GROUP FULL PRODUCT LINE

- THE SCHAEFER GROUP CAN NOW OFFER THE COMPLETE PACKAGE:
- REVERERATORY MELTING FURNACES
- TOWER/STACK MELTING FURNACES
- HOLDING FURNACES (GAS, ELECTRIC & IMMERSION)
- TRANSFER LADLES AND LAUNDER SYSTEMS

## ALUMINUM REVERB FURNACES

## LOW HEADROOM GAS MELTER



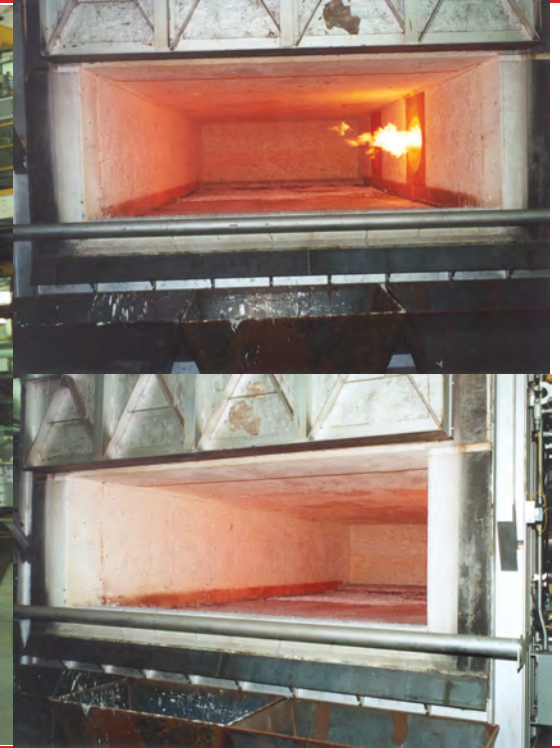
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## ALUMINUM REVERB FURNACES



## HIGH HEADROOM GAS MELTER



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IN CELL MELTERS

GAS OR ELECTRIC

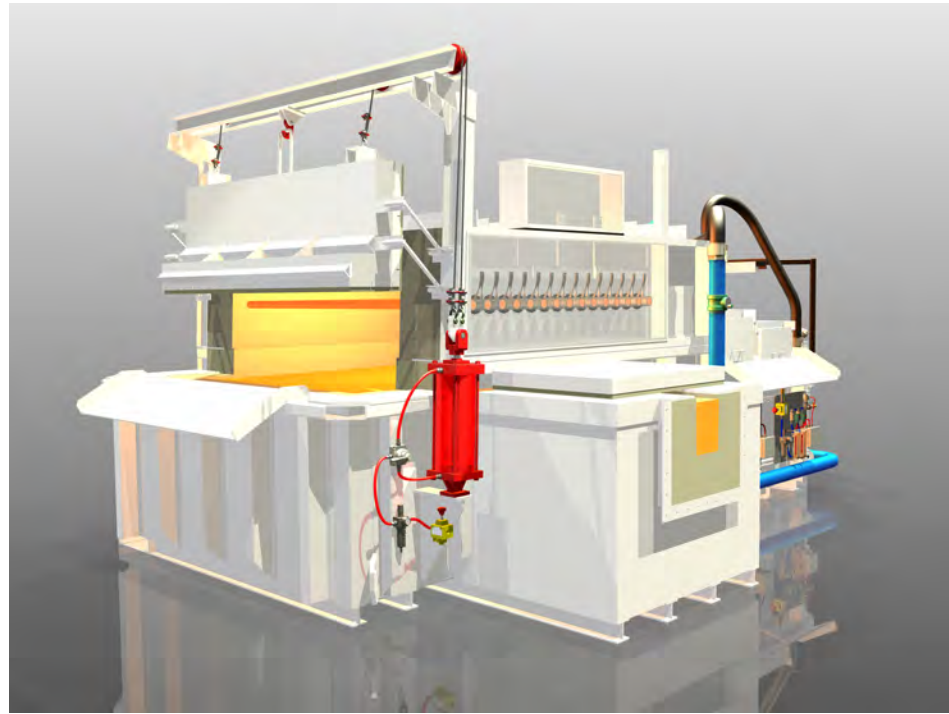


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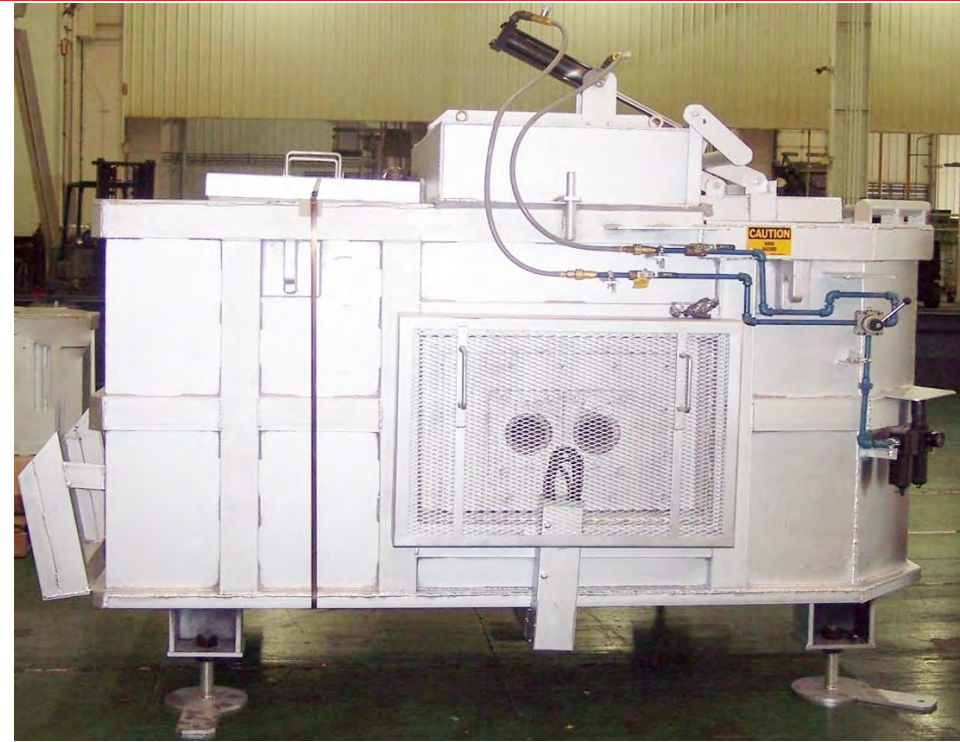
## ALUMINUM REVERB FURNACES

## ELECTRIC MELTER/HOLDERS



## ELECTRIC IMMERSION HOLDERS

## ELECTRIC OR GAS CRUCIBLE FURNACES



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LADLES

POWERED AND TEA POT STYLE



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## LADLE PREHEATER



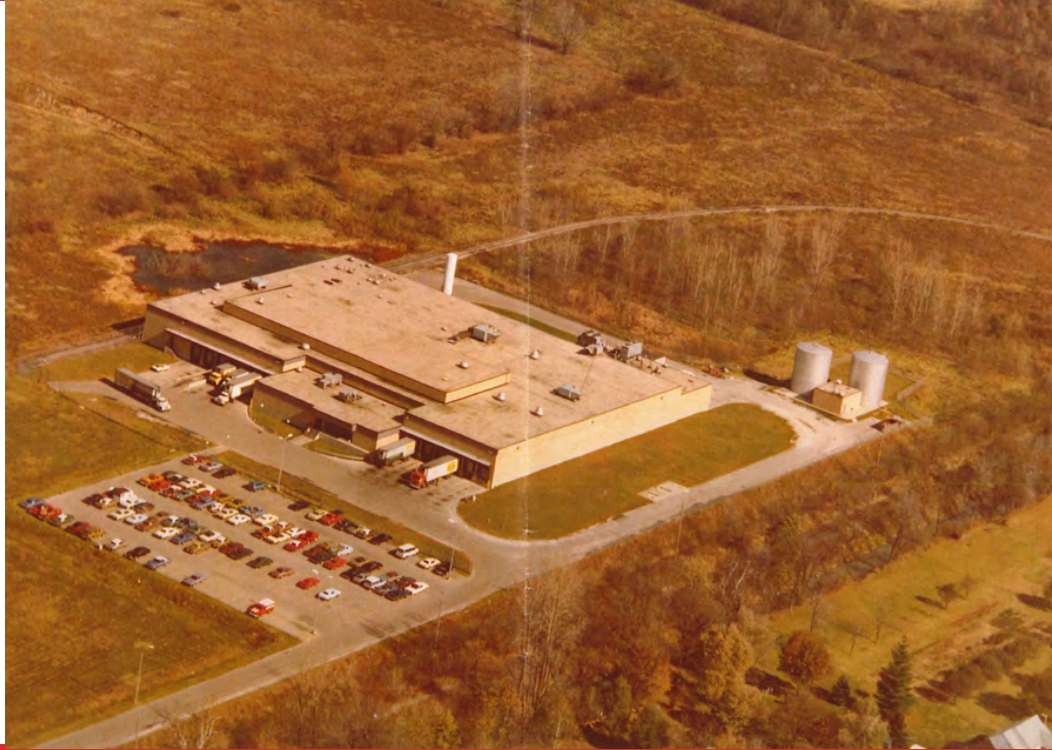
## AUTOMATIC LADLE PREHEATER





## THE SCHAEFER GROUP NEW FACILITY

96,000 SQ FT



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# INTRODUCING

EXCITING NEW PRODUCT LINES

GIVE OUR CUSTOMERS WHAT THEY HAVE BEEN ASKING FOR

AND MORE!!

THE SCHAEFER GROUP IS NOW EXCITED TO OFFER A COMPLETE  
LINE OF STACK/TOWER MELTERS

- THESE CAN RANGE FROM SMALL IN CELL MELTERS FROM 600#/HR
- TO LARGE CENTRAL MELT FURNACES UP TO 15,000#/HR
- THESE FURNACE'S CAN BE DESIGNED TO MELT SCRAP/INGOT/CHIPS, DEGASSING/FILTRATION AND MORE

- THE SCHAEFER GROUP HAS FORMED A PARTNERSHIP WITH SANKEN SANGYO OF JAPAN
- SANKEN SANGYO IS THE INVENTOR OF THE STACK/TOWER MELTER AND HAS BEEN BUILDING THESE FURNACES SINCE 1965
- THEY HAVE OVER A THOUSAND IN OPERATION
- THEY ARE BY FAR THE PROVEN LEADER IN THE STACK MELTER WORLD



OVER THE LAST SEVERAL YEARS OUR CUSTOMERS HAVE BEEN ASKING US TO PROVIDE THEM WITH THIS OPTION FOR MELTING. WITH ALL THE ISSUES WITH THE STACK MELTERS OUT THERE TODAY , WE HAVE BEEN STRUGGLING TO FIND A DESIGN THAT WE COULD SUPPLY TO OUR CUSTOMERS THAT WOULD MEET OUR HIGH STANDARDS AND RELIABILIBLY THAT THE SCHAEFER GROUP IS KNOWN FOR THROUGHOUT THE INDUSTRY.

WE HAVE BEEN WORKING ON THIS PARTNERSHIP FOR NEARLY 2 YEARS TO SUPPLY OUR CUSTOMERS WITH A FURNACE THAT MEETS AND/OR EXCEEDS OUR VERY HIGH EXPECTATIONS.

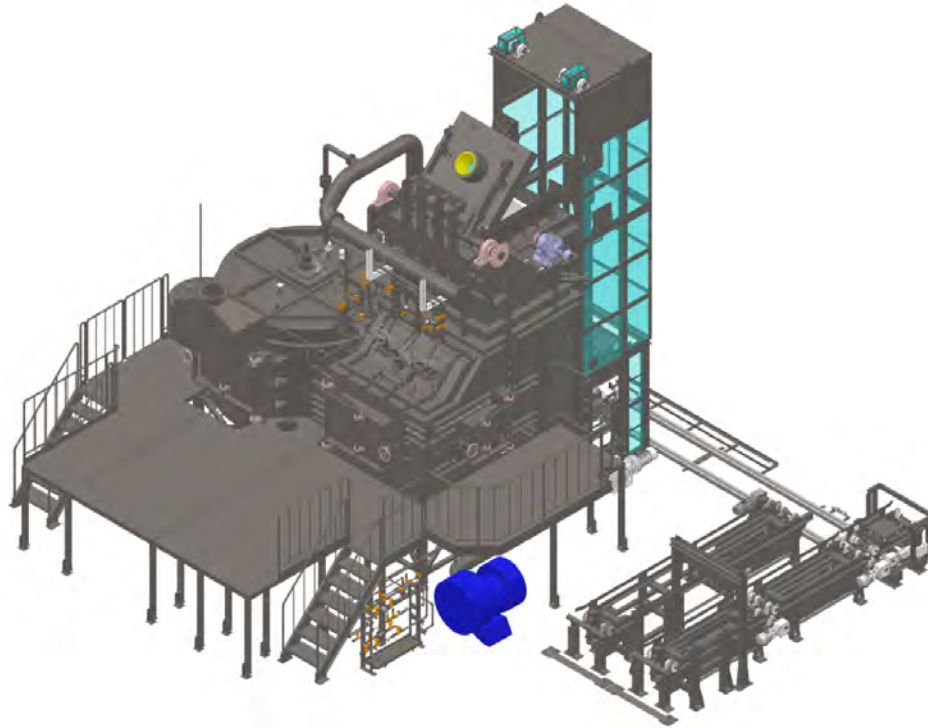


WE NOW HAVE A FURNACE THAT HAS BEEN PROVEN IN THE INDUSTRY AND IS THE WORLD LEADER IN STACK/TOWER MELTERS.

- THIS FURNACE WILL BE BUILT IN OUR FACILITY
- SOURCED WITH MATERIALS AND COMPONENTS FROM THE US AND FROM OUR CURRENT SUPPLIERS
- WILL BE INSTALLED BY THE SCHAEFER GROUP
- WILL BE SUPPORTED 100% BY THE SCHAEFER GROUP
- SANKEN SANGYO WILL SUPPLY THE SCHAEFER GROUP THE DESIGN FOR THE SYSTEM BUT WITH COMBINED ENGINEERING SUPPORT FROM BOTH.
- THE FURNACE WILL BE A SCHAEFER FURNACE WITH SCHAEFER FULLY RESPONSIBLE FOR THE PERFORMANCE OF THE FURNACE







## STACK/TOWER MELTER

## THE SCHAEFER GROUP TOWER MELTER



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## STACK/TOWER MELTER

## THE SCHAEFER GROUP COMPACT TOWER MELTER



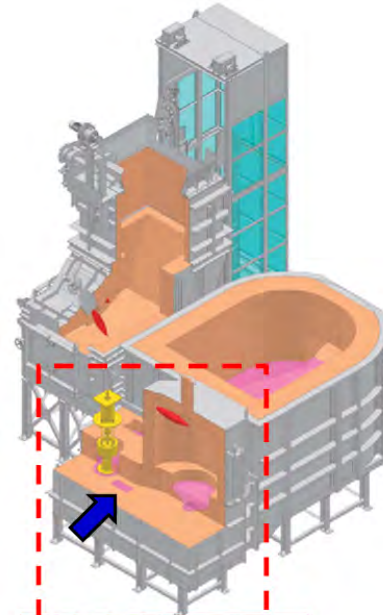
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### Machine



### Transportation



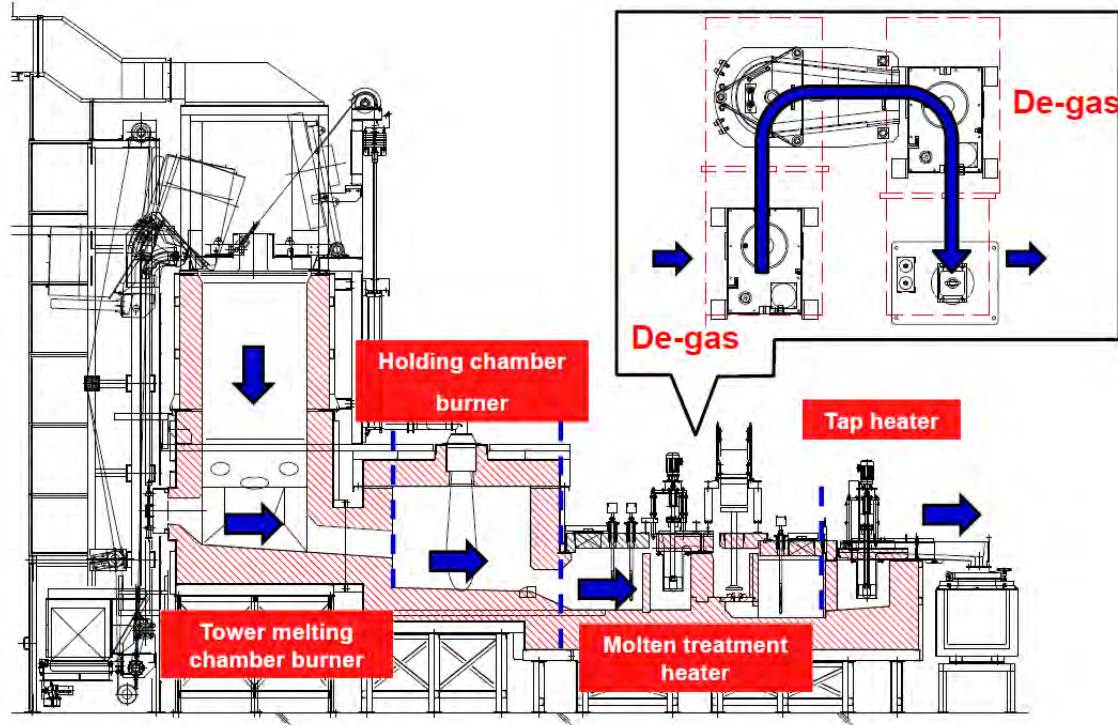
### Immersion Melting chamber

- Reduced metal lost ⇒ Yield 98%
- Operation ⇒ simple
- Compact ⇒ 1/3 of conventional space
- Energy saving ⇒ 1/4 of conventional
- Env Friendly ⇒ Clean exhaust, Less chip scattering



# STACK/TOWER MELTER

## THE SCHAEFER GROUP HYBRID TOWER MELTER



# SGI HAS A LIBRARY OF TRAINING TOOLS FOR YOUR PRODUCTION NEEDS.

ON SITE TRAINING FOR CLEANING AND FLUXING FURNACES, COMBUSTION SEMINARS, MOLTEN METAL QUALITY, METAL MELT LOSS AND SO MUCH MORE.

CONTACT THE SCHAEFER GROUP, INC. TO SET UP YOUR TRAINING SESSIONS NOW SO WE CAN GET YOU ON THE SCHEDULE WHEN THIS PANDEMIC HAS CLEARED.

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- HOLDING FURNACES (GAS, ELECTRIC & IMMERSION)
- TRANSFER LADLES, LADLE PREHEATERS, LAUNDERS AND TRAINING

# THANK YOU



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