



## Jinan Hyde Thermal Tech Co., Ltd

**202101**



# Content

Company Introduction

Products



## Company Introduction

- ❖ Established in January 2003, Hydeb started its business as an Original Equipment Manufacturer of crucibles and ladles.
- ❖ Good quality and innovative design have won respects from customers and the founder of Hydeb, Mr. Wang, is called “Crucible King” in in China.
- ❖ Turnover in 2020 was 10 million USD.
- ❖ Around 56 employee in China.
- ❖ Focus on aluminum casting only.
- ❖ Hydeb produces all kinds of casting equipment, and all products are independently developed and manufactured

# Company Introduction - Workshop





# Company Introduction - Workshop



# Product - Aluminum Melting & Holding Furnaces



Tilling Aluminum Melting Crucible Furnaces



# Product - Aluminum Melting & Holding Furnaces



Aluminum Holding Crucible Furnaces

# Product - Aluminum Melting & Holding Furnaces



Electrical Holding Crucible Furnaces



## Product - Aluminum Melting & Holding Furnaces



Electrical Holding Crucible Furnaces

# Gas-fired Holding Furnaces





# Gas-fired Holding Furnaces

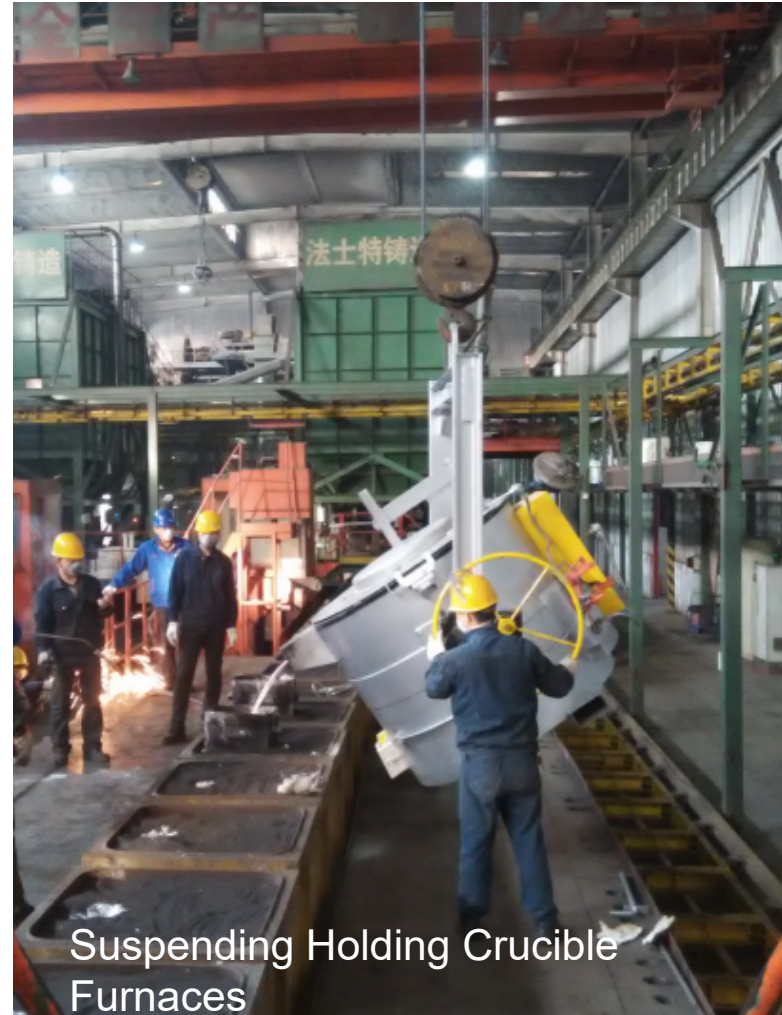


# Gas-fired Holding Furnaces





# Aluminum Melting & Holding Furnaces





# Crucible Holding Furnaces - Technical parameters

- ❖ Crucible capacity: 200-5000kg (Al), other capacity available on request.
- ❖ Rated temperature of furnace: 900°C
- ❖ Rated temperature of liquid aluminum: 800°C
- ❖ Accuracy of liquid aluminum insulation:  $\pm 2^{\circ}\text{C}$
- ❖ Temperature rise of furnace shell  $\leq 25^{\circ}\text{C}$

# Bath-type Aluminum Holding Furnace





# Aluminum Melting & Holding Furnaces



Immersion heating holding furnace



# Ladle & Preheater



Transfer Ladle & Gas heating preheater

# Ladle & Preheater



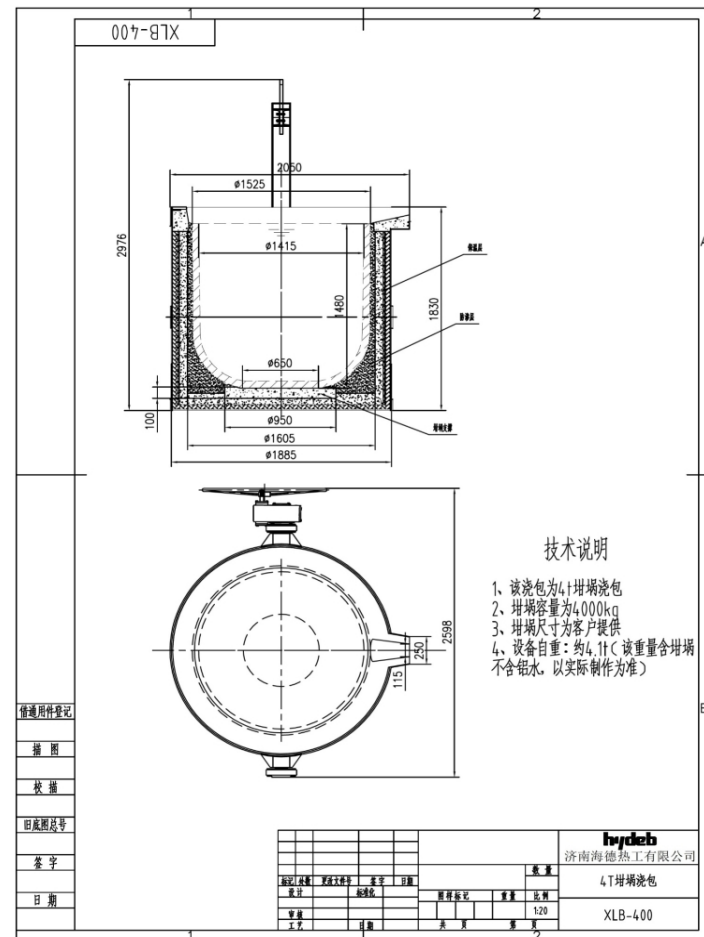
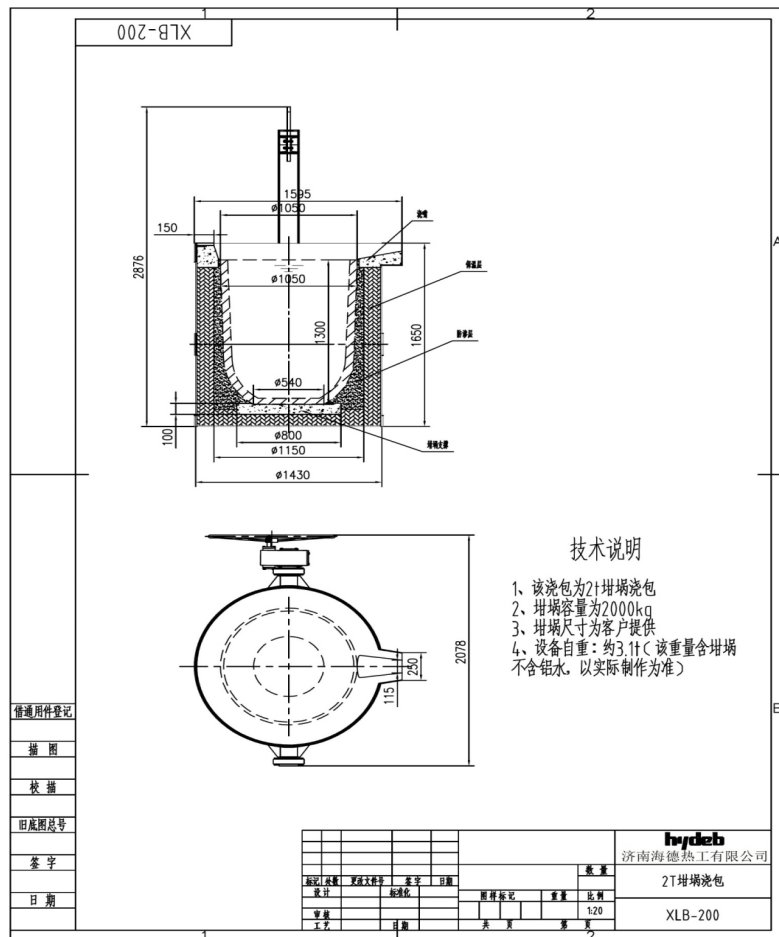
Transfer ladle & electrical preheater



# Crucible-type Transfer Ladles



# Crucible-type Transfer Ladles





# Crucible-type Transfer Ladle Advantages

- High resistance for Fluoride flux attack.
- No dross adhesion, easy to clean.
- Long life time to replacement.
- High purity Al alloy liquid, Lower metal.
- Quick replacement during repairing.
- Easy process for preheating.



# Stationary Rotary Degassing Equipment





# Mobile Rotary Degassing Equipment



# Hydrogen Analyzer





# Vertical Aluminum Solution-hardening Furnaces



# Vertical Aluminum Solution-hardening Furnaces





# Road Liquid Aluminum Transfer Ladle



Natural temperature drop of liquid aluminum  $\leq 10^{\circ}\text{C/h}$ !

# Road Liquid Aluminum Transfer Ladle





# Gas Preheater



# Box Type on-line Degassing Unit





# Box Type on-line Degassing Unit





# Box Type on-line Degassing Unit



# Laundry Type on-line Degassing Unit



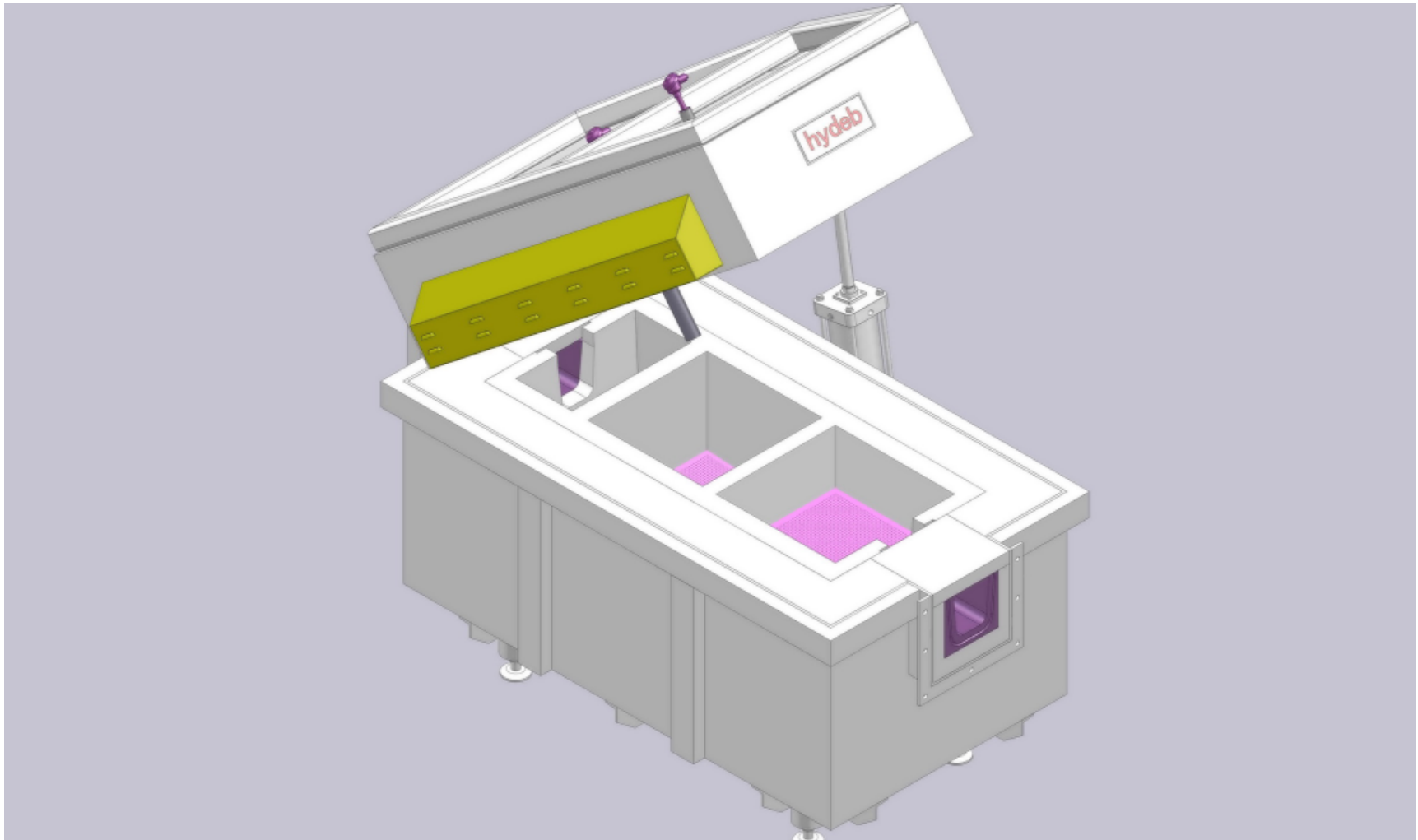


## Online Degassing System – Advantages

- ❖ Special for cast rod, recycled alu ingot production process.
- ❖ Reduce the electricity energy cost.
- ❖ Reduce the metal loss.
- ❖ Rapid replacement of launders.
- ❖ Production flexibility.



# CFF Filtration Box



# Ladle Tilting Device



# Ladle Tilting Device







# Typical Customer

- DICASTAL
- GREAT WALL
- BYD
- TOSHIBA
- SIGMA GROUP
- WAN TAI ALUMINIUM
- LIZHONG ALLOY GROUP
- CSMET ALUMINIUM
- JIANTAO ALUMINIUM
- SHUNBO ALUMINIUM
- .....



hydeb 海德热工

[www.hydeb.com](http://www.hydeb.com)