

Content



Who Are We? What are our most Exciting Products? Why would You Care and Want to Meet with us?

ONEJOON – is a Leading Equipment and Solution Provider of CAM and AAM Factories worldwide





- Represented in 6 countries with 11 locations worldwide
- Approx. 500 employees worldwide
- More than **100** design engineers, researchers and developers
- Quality made by **ONEJOON** with own factories in Germany, Korea, China and Poland
- Ongoing Culture of Innovation ensured by German and Korean
 Test Center and Research & Development Department
- Experienced Project Management Team with **Project Sizes** up to **100 Mio €**
- Thermal Process Equipment up to 3000 ° C and turnkey Thermal Process Production lines
- Pioneer in electric high temperature furnaces
 Established in year 1888

Company Heritage – rooted in Korea and Germany



EISENMANN

in Stuttgart, Germany



1888

Company Ruhstrat founded in Göttingen, Germany





ONEJOON Korea founded in Suwon/South Korea



2011

Eisenmann acquires Ruhstrat



2019

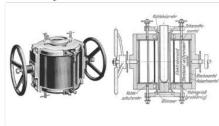
Foundation of Joint Venture "Eisenmann Thermal Solutions (Zhejiang) Co. Ltd." in China between ONEJOON Korea and Eisenmann Thermal Solutions GmbH & Co. KG



2021 125 years of experience in kiln technology

First High Temperature Kiln (3000 °C) built by Ruhstrat)

1896



Start of co-operation between Eisenmann and Ruhstrat

2008



Start of cooperation between ONEJOON Korea and Eisenmann Thermal Solutions GmbH & Co. KG (Germany) based on a cooperation agreement

2016



ONEJOON Korea acquires Eisenmann Thermal Solutions GmbH & Co. KG

2020





Footprint in Battery Materials Industry



Cathode Active Material



> 15 years of experience with CAM



4 complete CAM lines in Asia as reference



> 150 CAM RHKs in the field

Anode Active Material



Pusher Kilns, Rotary Kilns and Batch Kilns for pyrolysis and carbonization



Scale-up concept from lab tests to production line



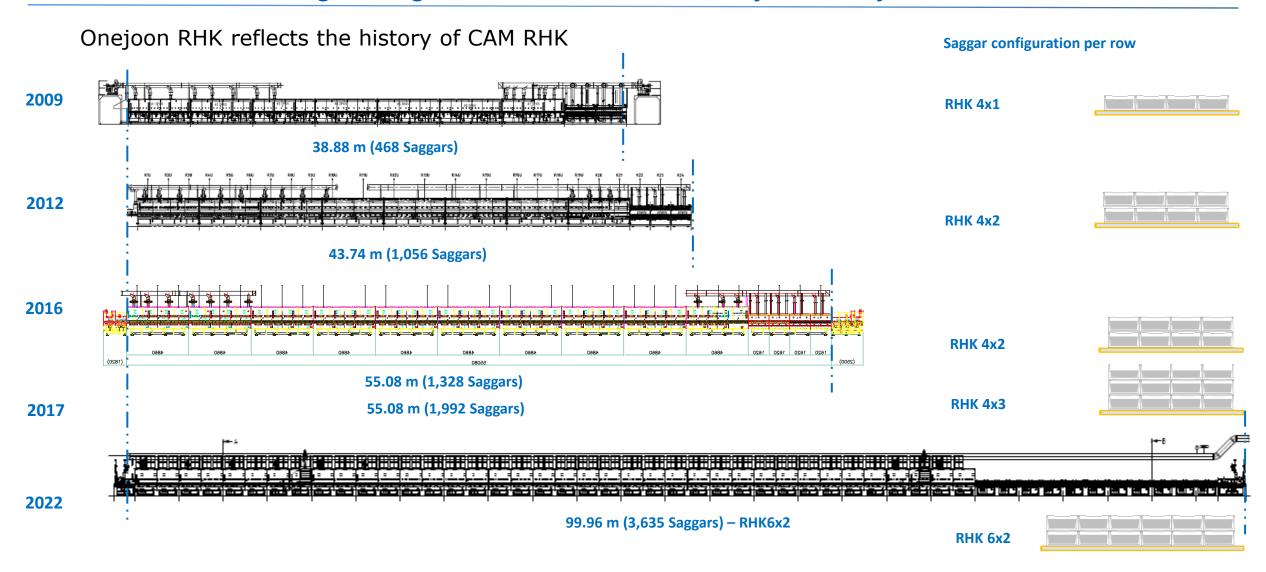
Expert for Si Anode Materials – several lines in operation



CAM

Roller Hearth Kiln – growing with the Korean Battery Industry



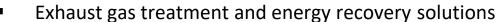


Hottest Products



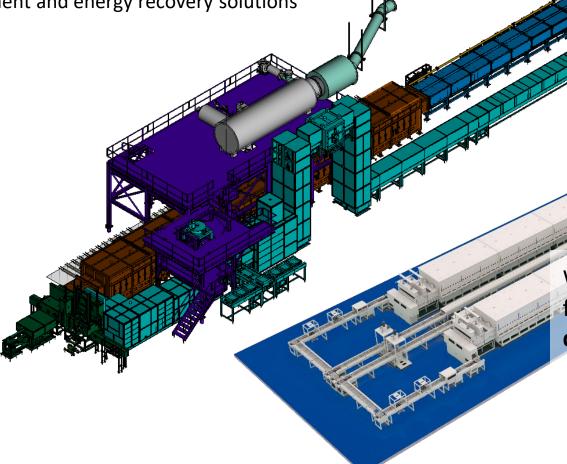
 Largest Roller Hearth Kiln and Pusher-type Kiln in the market, incl. required return conveyor, saggar handling systems and floor automation

Process equipment and material handling systems for battery powder production









We enable kiln and furnace processes for new Anode and Cathode developments



Why Would You Care and Want to meet with us?



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CAM processing eats a good part of the energy consumption and carbon footprint of LiB.



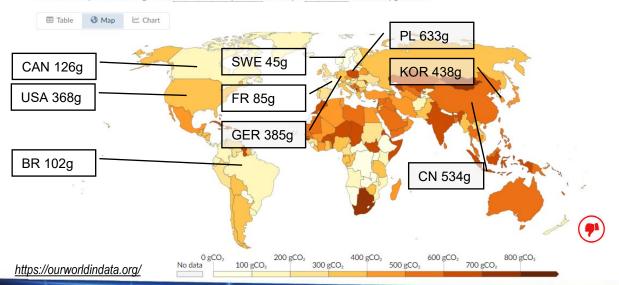
Huge amounts of oxygen and waste gas heat are exhausted (not recovered) in CAM calcination today – in the order of MW per kiln...



A lot of electric power for electric heating of the kilns and O₂ separation is used today for CAM production – mainly in China where the **carbon intensity of electricity generation** is high.

Carbon intensity of electricity generation, 2022

Carbon intensity is measured in grams of carbon dioxide-equivalents emitted per kilowatt-hour of electricity generated.



RHK-ecoCAM



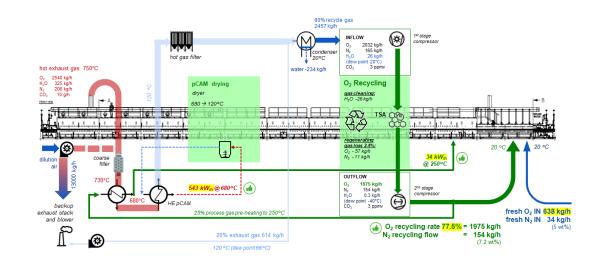
ONEJOON offers cutting edge technology and solutions for O2 recycling and waste-gas heat recovery, enabling millions of \$ OPEX savings per kiln.



O2 recycling rate >90%. Waste gas heat recovery in the order of MW per kiln.



Become cost leader in CAM firing with largest kiln solutions in the market (for > 2.5 t/ hr product output per kiln).



Thank you – Any questions?





ONEJOON – we never stop challenging the future.