

# GREEN ANODE PASTE PLANTS: KEY EQUIPMENT



**BUSS ChemTech offers a range of high quality key equipment to our exacting specifications that ensures long life, high production availability and low operation and maintenance costs.**

Customized equipment supply is what we have been doing very successfully for over 65 years. We specify and deliver customized equipment based on your specific requirements. Our range of equipment are carefully developed and enhanced in close cooperation with our customer base and world leading partners.

We are the right partner to provide you the right application for your increasing requirement.



## KEY FEATURES

- Only the highest quality equipment
- Delivered to our exacting specifications
- Technical support during start-up and beyond
- OEM spare parts over the long haul

## SCOPE OF SUPPLY

The scope of our specific key equipment's for our green anode plant includes but is not limited to:

- BUSS ChemTech Coke Preheater
- BUSS ChemTech Paste Kneader
- BUSS ChemTech Söderberg Paste Extruder
- BUSS ChemTech Automation Systems (SCADA)
- Hydraulic Anode Press
- Horizontal Paste Cooling
- Customized dry material handling
- Coke dust and fume treatment systems

## COKE PREHEATER

The BUSS ChemTech Coke Preheater series is equipped with hollow flight multiple screws with integrated coke fines recovery system. This machine design is the most efficient heat transfer unit for coke preheating. The heat energy is delivered using hot oil and transferred over the screw shaft and preheater housing heat exchanger to the dry coke material. The latest bearing improvements even further extend the operating life and durability of this machine. Additionally, our unique hollow flight geometry enhancement provides a further improvement to produce even better distributed and efficient heat transfer to the coke dry fraction for increased performance.

## ADVANTAGES

- No segregation
- High energy efficiency
- Homogenous heat transfer to the dry coke
- Long-life cycle & low maintenance





## PASTE KNEADER

Our well-known BUSS ChemTech Paste Kneader became the benchmark within the industry and continues to be the defining standard. The BUSS ChemTech Paste Kneader is the application we originally introduced into the market in the early 1950's. We have continuously improved the reliability, mixing quality and production performance throughout the years to meet the continuously changing production requirements. Our latest BUSS ChemTech Paste Kneader defined the next quantum leap in kneading technology with a new process zone and new wear protection improvements.

## ADVANTAGES

- Homogeneous paste preparation
- Lowest possible pitch content
- Increased throughput capacity
- High production availability
- Low maintenance costs





## HYDRAULIC ANODE PRESS

The paste is pressed and anodes are formed at temperatures around 115–125 °C by using well proven pressing technology. The pressing process is performed under high vacuum.

A special gravimetric dosing and mould filling system guarantees minimal weight fluctuation and uniform density distribution

## ADVANTAGES

- High availability (low maintenance downtime, mold change feasible in 1 hour)
- High green anode density & optimal anode paste distribution
- High anode dimension accuracy and high green strength
- Low fume and PAH emissions
- Throughput capacity up to 60 anodes/h

BUSS ChemTech is committed to provide you the best equipment solution for your specific requirements to ensure you the competitive edge in the market.

Learn more about our capabilities.  
Scan the QR code now!



Product coming out of a BUSS ChemTech Green Anode Plant

