

ALUMINIUM TECHNOLOGY



BCT KEY EQUIPMENT

BUSS ChemTech AG (BCT) offers a range of high quality key equipment to ensure a long production life cycle with low maintenance costs and operating expenditure. 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.

YOUR MAIN ADVANTAGES

- High quality Key-Equipment only
- Technical support and spare parts coverage over many decades to come

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

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

BCT COKE PREHEATER

The BCT 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 ARE AS FOLLOWED

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



BCT PASTE KNEADER

Our well-known BCT Paste Kneader became the benchmark within the industry and continues to be the defining standard. The BCT Paste Kneader is the application we originally introduced into the market over 65 years ago. We have continuously improved the reliability, mixing

quality and production performance throughout the years to meet the continuously changing production requirements. Our latest BCT Paste Kneader defined the next quantum leap in kneading technology with a new process zone and new wearing protection improvements.

YOUR ADVANTAGES ARE AS FOLLOWED

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



HYDRAULIC ANODE PRESS

The paste is pressed and anodes are formed at low temperature of about 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

YOUR ADVANTAGES ARE AS FOLLOWS

- High availability (low maintenance down-time, 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

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



BUSS ChemTech

www.buss-ct.com