

Energy & Electrical

ANODE PASTE FOR ALUMINIUM ELECTROLYSIS

Anode paste is critically important for the industrial production of aluminium. Since the electrolysis process runs continuously, the anode paste supply must not be interrupted. Proven technology is therefore essential in order to ensure maximum plant reliability.

Application

- Anode paste compound for Aluminium industry
- For the reduction of Al Oxide using the Hall-Heroult process

Compounding requirements

- Fault-tolerant, stable process
- Target range of energy input of kneading process
- Required throughput
- Availability of the plant (service and spare parts)

BUSS Technology

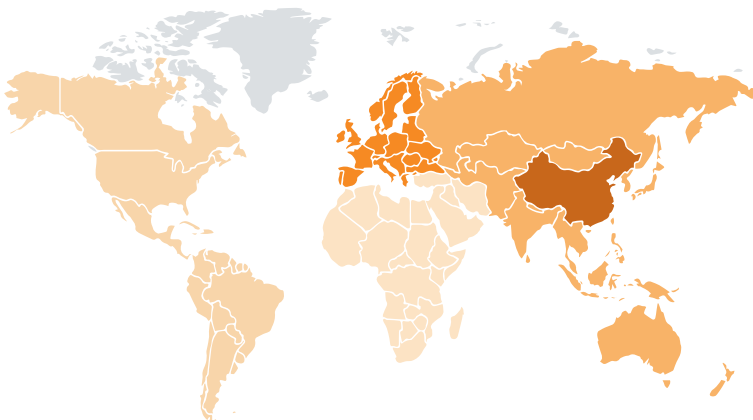
Strengths

- + Stable and controllable mixing process, high availability
- + Restart under full load
- + Low grinding of coke
- + Enhanced mixing and kneading performance, dynamic throttling
- + High wear protection
- + Easy and safe maintenance

Benefits

- ✓ Stable product quality and throughput
- ✓ Reduced operational cost
- ✓ Enhanced product quality
- ✓ Stable and high level of product quality
- ✓ High availability, reduced operational cost, safe operation

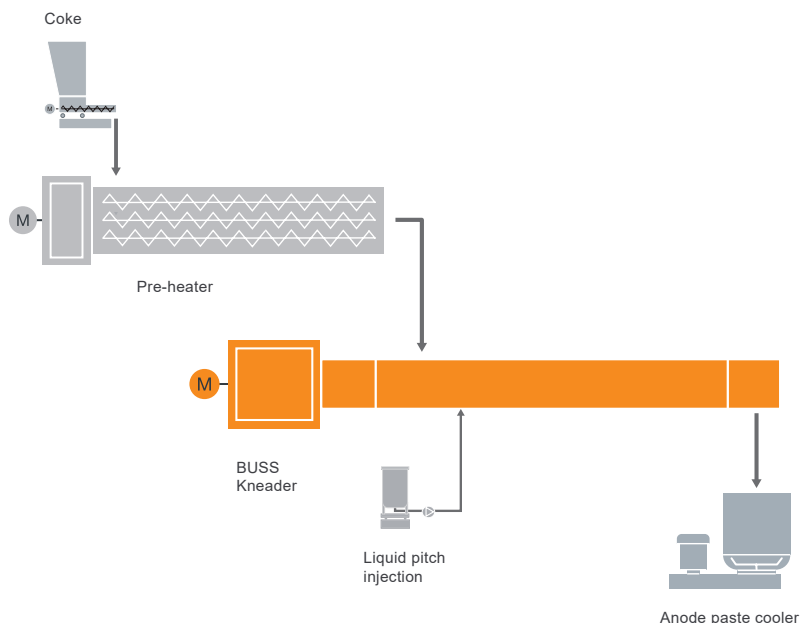
BUSS Kneaders for anode paste around the world



China	>20
Europe	>50
Asia+Russia	>20
Americas	>20
MEA	>20

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Typical plant layout for anode paste compounds



BUSS KX Kneader Technical Data

KX Kneader	Machine Data				Output	Overall dimensions		
	Barrel diameter [mm]	Process length [L/D]	Speed max [rpm]	Drive power [kW]	Output rates* tons/h	Length [mm]	Width [mm]	Height [mm]
KX 540 DT	540	9,5	70	400	20-42	13 700	1900	1800
KX 650 DT	650	9,5	70	600	35-66	15 800	1900	1800

* Maximum rates with continuous operation on a 24/7 basis. Rates can vary according to raw materials used and specific process parameter.



More info!

<https://busscorp.com/industries/anode-paste-for-aluminium-electrolysis/>

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