

PITCH MELTING PLANT

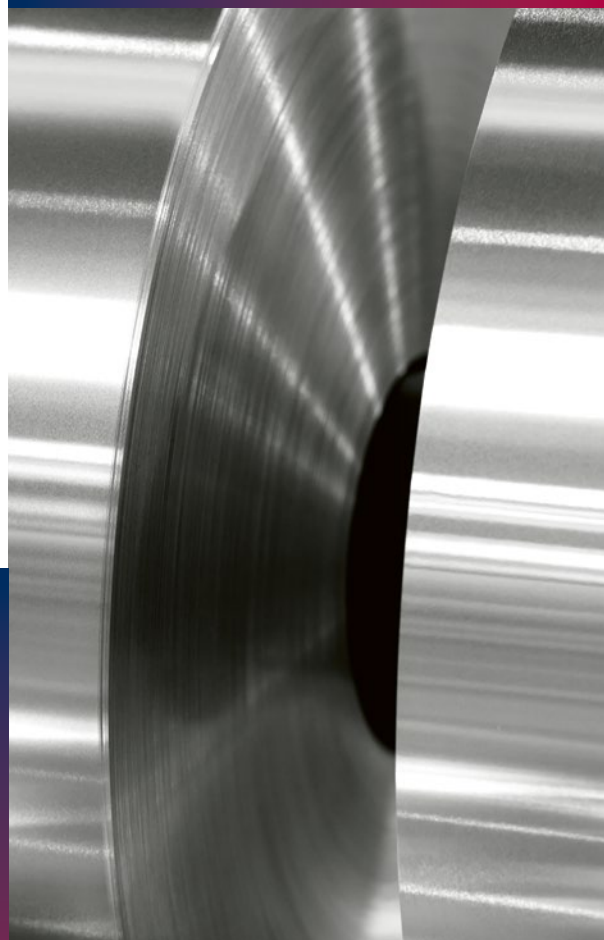
BUSS ChemTech's Pitch Melting Plants are characterized by a unique and proprietary dynamic process through which solid pitch is melted by a supply of "whirling" hot liquid pitch.

We offer a fully automated and continuous plant which gives our clients the advantage of very low operation and maintenance costs as well as high process availability.



Our Pitch Melting Plant from BUSS ChemTech has been operating satisfactorily for twenty years and its still going strong.

Operator, JSC Kazakhstan Aluminum Smelter,
Kazakhstan



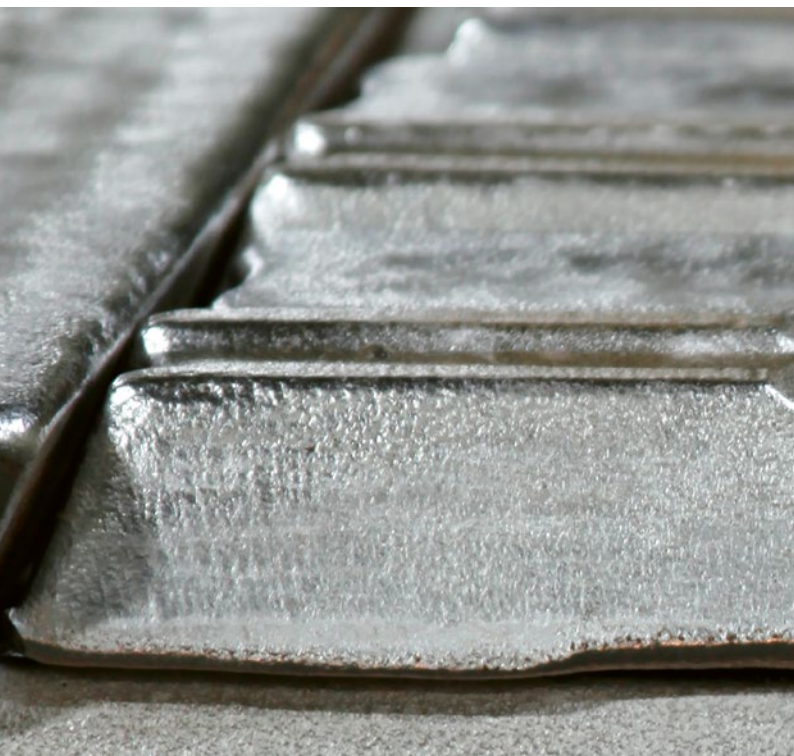
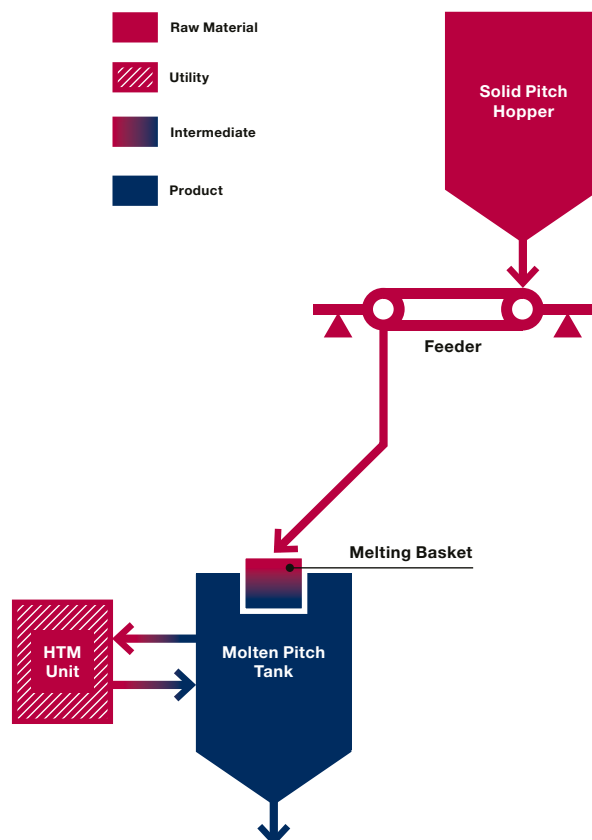
THE PITCH MELTING PLANT

It starts with a fully automated Big Bag unloading station up to the final storage transfer via a flexible distribution system for individual charging of various tanks and dispatch solutions.

The advanced control system allows a direct blending of different pitch qualities. This process is fully enclosed and equipped with an environmentally friendly fume treatment system.


The HTM heated melting tank is designed to maintain the pitch temperature only. There is no additional energy input in the melting tank. No heating coils, stirrers or other mechanical devices are in contact with the liquid pitch. The energy input required to liquefy the solid pitch is transferred over a circulating external loop, which is equipped with a heat exchanger. This system is designed to control the proper pitch flow by avoiding any coking effect of the pitch. The system operates at controlled temperature and prevents cracking and degradation of pitch.

This technology allows running the process at the lowest possible temperature without glazed pitch impurity accumulation in the melting tank and therefore with significant less maintenance effort. This technology guarantees the availability of the plant operation for years without any downtime.



KEY BENEFITS

- No overheated surfaces / no pitch degradation
- Environmentally friendly due to enclosed system
- Very low maintenance costs. Maintenance can be executed during full operation
- Easily extendable due to modular concept
- No exposed heating coils ensuring no glazed pitch impurity accumulation
- Constant pitch quality
- Flexible and easily adjustable melting capacity
- High guaranteed plant availability
- Low operating labour requirements

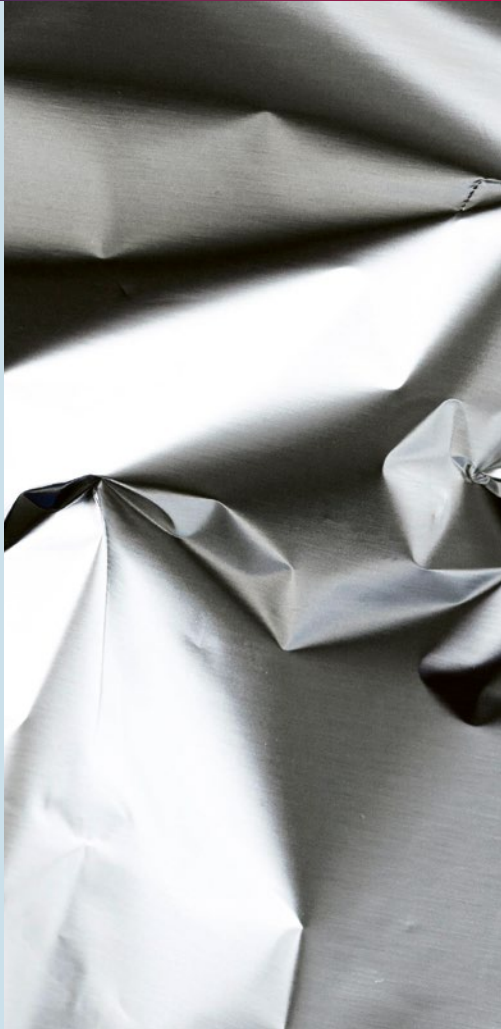


BUSS ChemTech supplies solutions tailored to the specific needs of our clients, ensuring they have a competitive edge in the market.

SCOPE OF SERVICES

We can provide a range of services from a Basic Engineering and Key Equipment package all the way to a turnkey plant with the associated services. Our engineering and procurement teams ensure a smooth project and on-time completion.

Our scope of services includes but is not limited to:

- Initial feasibility study
 - Basic and Detail Engineering
 - Project Management
 - State of the art Technology / Process design
 - Customized Equipment and Plant supply
 - Plant installation & Plant commissioning
 - Process and Plant Performance Guarantees
 - Training of your personnel
 - Ongoing customer service support after project hand-over
 - EPC project scope
- 



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