

# OptiFlex<sup>®</sup> Pro BN (Boron nitride)

Efficient and economic application of boron nitride powder

## Method of operation

The stirrer of the OptiFlex Pro BN powder coating equipment prepares the boron nitride powder. An injector transports the powder from the powder container to the powder gun by the use of an injector.

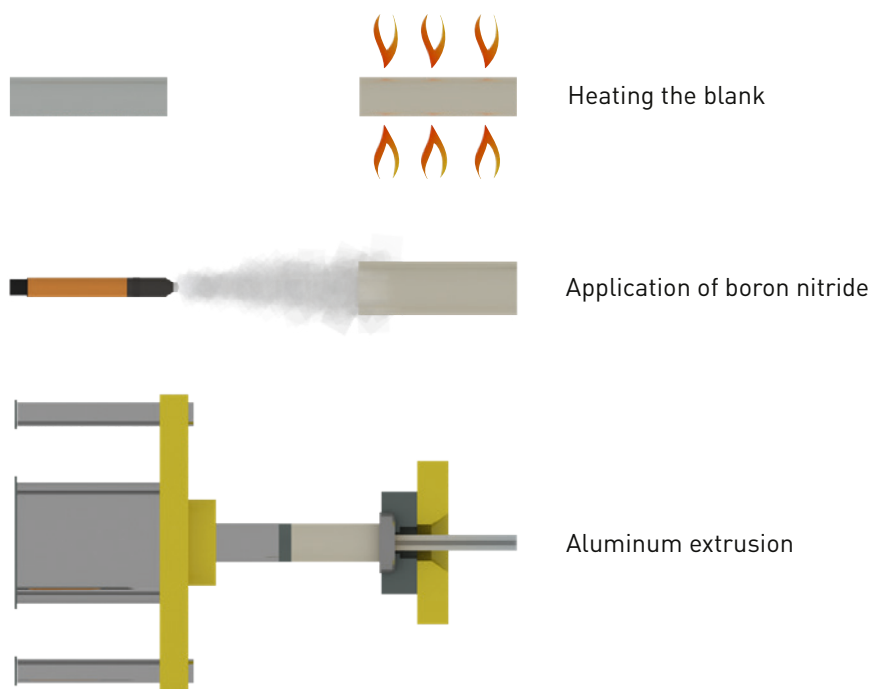
The powder is electrostatically charged by a high voltage cascade and sprayed on the die or blank. Due to the electrostatic charging, the powder particles adhere to the surface.

### Customer benefits:

- Gentle and homogenous conditioning of the boron nitride powder without any discharge of dust thanks to a closed container
- Precise and steady powder flow and dosing
- Efficient application of the powder
- Extremely simple integration, even within existing systems
- User-friendly setting and storage of all process parameters
- Easy maintenance



## Quality and efficiency for the aluminum extrusion process



The use of boron nitride is important during the extrusion process of aluminum. Applying boron nitride increases the efficiency and quality of the process. The durability of the die can be increased by the use of boron nitride.

- Boron nitride powder is an excellent lubricant for the extrusion of aluminium and other production processes that involve high process temperatures
- Boron nitride powder prevents the fusion of the die and the aluminum blank
- Boron nitride powder protects tools and extends their service life
- The powder reduces the risk of fire and eliminates undesired soot emissions
- Boron nitride powder is resistant to heat and oxidation, is electrically insulating, chemically pure, can be stored for long periods and has no health risks
- With boron nitride powder you achieve the highest quality during the extrusion process with aluminum molding presses

Gema Switzerland reserves the right to make technical changes without notice!