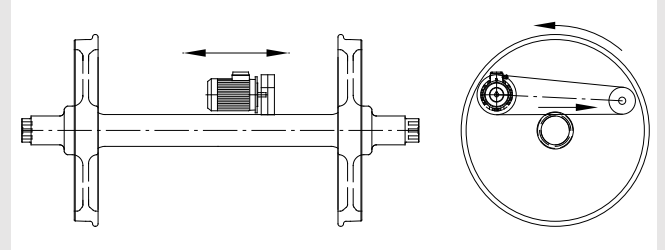


### A new belt grinding machine for wheelset

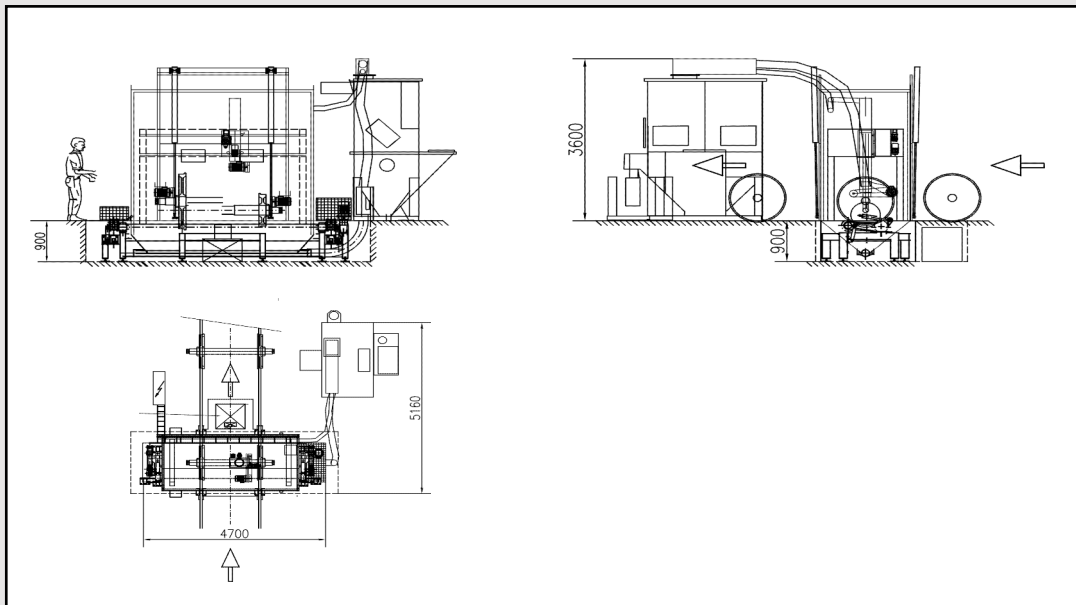
Manual grinding of wheelset axles is heavy duty work. Finnblast has developed a fully automated grinding machine for grinding of the axles of wheelsets.

The produced surface fullfills the requirements of VPI. The surface roughness is defined by the roughness of the grinding belt and the grinding parameters of the machine.

The grinding is made in a closed cabinet, which has good noise isolation. The sparks from the grinding process are conveyed to a wet filter.



Working principle of the belt grinding machine



Layout of the automated grinding machine

### Drive through machine

The machine is a drive through type. The grinding parameters are set into the PLC-controls of the machine. The wheelsets are taken into the cabinet. The doors are closed and the grinding process is started. The wheelset rotates during the grinding process. The grinding is made on the axle but also on the roundings, if needed. When the grinding work is completed, the doors are opened and the wheelset is taken out by a hydraulic mechanism.

### Manufacturer:

#### Finnblast Oy

Keskuskatu 22

FIN - 92350 Revonlahti, Finland

Tel +358-40-512 8741

finnblast@finnblast.fi