



#### Reliable

Reliable measurement ensures optimal process flow

#### Cost effective

Maintenance-free measurement despite high temperatures

#### User friendly

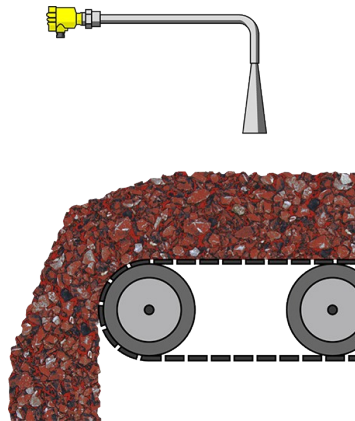
Simple mounting and setup

## Sintering plant

### Level measurement in the sintering plant

After sintering, the hot material is cooled down to a temperature of about 150 °C in the sintering cooler. The feed rate of the sintering belt is controlled to ensure that the material is thrown off at the end of the sintering belt. To achieve effective cooling, the thickness of the material on the sintering belt has to be continuously and precisely measured.

[More details](#)



### VEGAPULS 6X

Non-contact radar level measurement on the sintering belt

- Reliable measurement, independent of temperature changes
- Wear and maintenance-free for high plant availability
- Easy antenna cleaning via purging air connection

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**VEGAPULS 6X**  
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**Measuring range - Distance**

120 m

**Process temperature**

-196 ... 450 °C

**Process pressure**

-1 ... 160 bar

**Accuracy**

± 1 mm

**Frequency**

6 GHz

26 GHz

80 GHz

**Beam angle**

≥ 3°

**Materials, wetted parts**

PTFE

PVDF

316L

PP

PEEK

**Threaded connection**

≥ G¾, ≥ ¾ NPT

**Flange connection**

≥ DN20, ≥ ¾"

**Hygienic fittings**

Clamp ≥ 1½" - DIN32676, ISO2852

Slotted nut ≥ 2", DN50 - DIN 11851

Varivent ≥ DN25

hygienic fitting with tension flange DN32

hygienic fitting F40 with compression nut

Hygienic screw connections ≥ DN50 tube ø53 -

DIN11864-1-A

Hygienic flange connection ≥ DN50 DIN11864-2

Hygienic clamp connection ≥ DN50 pipe Ø53 - DIN11864-

3-A

DRD connection ø 65 mm

SMS 1145 DN51