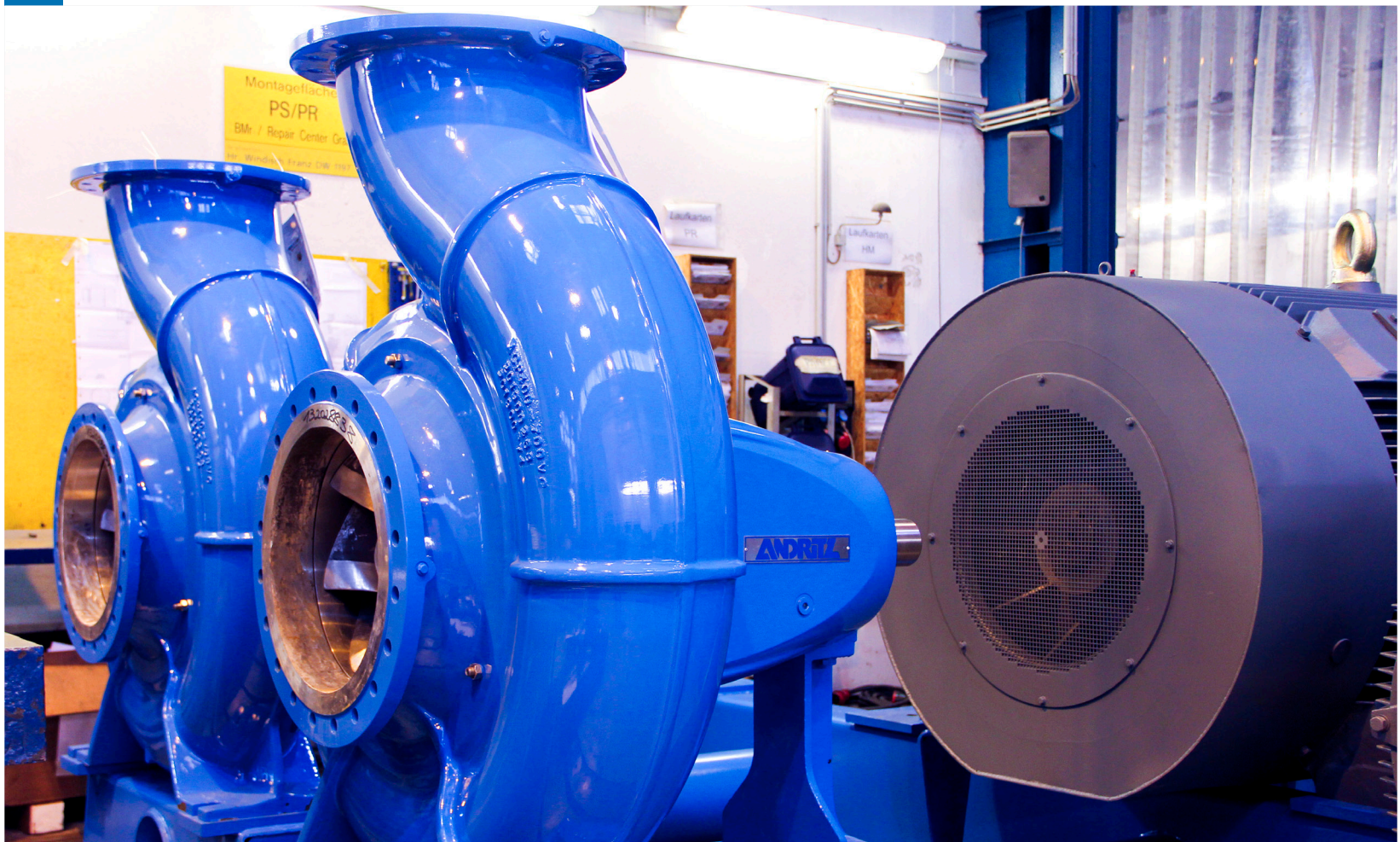




## **ANDRITZ high-wear resistant pumps** For mining and minerals applications



# ANDRITZ high-wear resistant pumps

## For mining and minerals applications



### High wear resistance

All high wear pumps are specially designed to handle abrasive media. They also have a large cross-section to handle solids-containing media.

They belong to the ACP pump series and are thus highly efficient to allow for energy savings. The modular design greatly reduces the number of spare parts to be kept on stock which further helps to save costs.

All wear components have been designed and optimized using CFD (computational fluid dynamics). They have been tried and tested at our own pump test facilities in Austria.



### The facts:

- Flow rates up to 6,000 m<sup>3</sup>/h
- Heads up to 160 m
- Casing pressure up to 40 bar
- Temperatures up to 200 °C
- Consistencies up to 6%
- Efficiencies of over 90%

### Material design

Advanced material and wear-resistant white cast-iron casting technology guarantee high hardness (about 600 HB) of all wear parts (impeller and front liners).

Specially developed annealing treatments ensure an effective combination of high hardness and suitable ductility. Thus the material is able to cope with difficult conditions e.g. stones and abrasive minerals.

Chemical composition XCr23	
C [%]	1.8-3.6
Si [%]	1
Mn [%]	0.5-1.5
P [%]	0.08
S [%]	0.08
Cr [%]	23-28
Mo [%]	3
Ni [%]	2
Cu [%]	1.2

