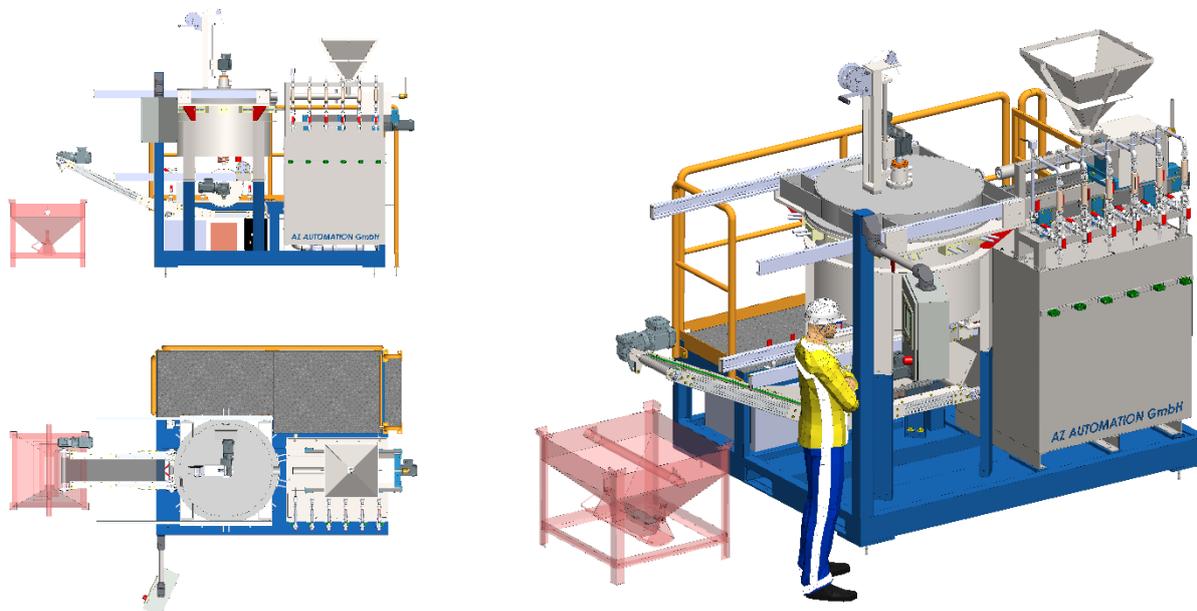


FLEXIBLE MELTING UNIT

FMUG-E140 - FMUB-E140 - FMUG-H140



Your technological advantage in the product development in the glass and basalt processing industry by our new designed modular melting units.

Your **ADDITIONAL VALUE** compared to conventional melters and platinum melters:

low energy costs -- low investment costs -- low personnel costs -- high flexibility --
high thermal shock resistance -- transportable -- scalable performance -- low emissions --
laboratory size

In order to offer you the maximum benefit a great importance was placed on a
MODULAR SYSTEM DESIGN:

batch stirrer -- quick closing -- pellet unit -- nugget unit -- block casting unit

TECHNICAL PARAMETER:

- water cooled batch charger
- double wall housing made of SiO₂
- vertical heating elements made of molybdenum-D for more efficient energy input
- heated discharge bottom
- special discharge geometry for residue-free removal of the melt
- temperature controlled outlet bushing for an exact flow rate regulation
- temperature measurement of the melt and the crown by PtRh - elements
- insulation by high quality refractory bricks, resistant against aggressive waste gas
- sliding cover with a special ceiling construction for a quick and low cost maintenance

TECHNICAL PERFORMANCE DATA:

melting capacity: 15 kg to 2000 kg/d

temperature: max. 1650°C

melting time: 8 h (depending on the batch)

connected load: 80 kW

redundant cooling water circuit

thyristor controlled heating transformer with
overheat protection