

Arc Melter AM 500



Description

- Designed for melting samples of up to approx. 500 g at temperatures up to 3500°C

- Water-cooled copper crucible plate with multi-purpose moulds (for button and rod samples)
- Water-cooled, double-walled high vacuum chamber and flanges
- Electric drive for easy lifting of the chamber
- Motor-driven, water-cooled tungsten electrode which can be moved freely above the crucibles
- Excellent observation of the melting process through viewing port(s)
- Control panel with all major operating functions at the top of the electrode for safe and convenient operation
- Crucible plates with customized moulds on request
- Contactless ignition of the arc
- Different melting programs to prevent overheating of
- Powerful arc melting generators for up to approx. 3500°C
- High-vacuum pumping and measuring system, built into the rack system ready for operation

Safety features

- Emergency stop button
- Sensor for chamber lift
- Sensor for protection glasses
- Cooling water flow control

Details

Quantity: 500 g

Temperature: 3500° C

Generators: max. 800 A

Connection: 400 V, 3-ph, 50/60 Hz (generator); 230 V, 50/ 60 Hz (arc melter) (different voltage on request)

Crucible plate: different versions available, or customized crucible plates

Options: Sample manipulator, Tilt casting, Suction casting, Recirculating chiller