

# Compact Arc Melter MAM-1



## Description

- Designed for melting samples of approx. 5-20 g up to 3500°C, sufficient for most laboratory purposes
- Small melting chamber ensures fast evacuation and low gas consumption
- Freely movable, water-cooled electrode
- Dismountable, water-cooled copper crucible plate with trough-shaped moulds
- Crucible plates with customized moulds on request
- Reliable, contactless ignition of the arc
- Powerful arc melting generator, integrated in the housing

- Pressure manometer and valves for evacuation and gas inlet into the arc melting chamber
- Small roughing pump (can be built in) or turbomolecular pumping system (stand-alone unit) for evacuation of the melting chamber
- Safety functions:  
Protection against over-temperature,  
eye protection
- Dimensions: (w x d x h): 430 x 650 x 750 mm
- Connection : 230 V / 50/60 Hz / 1-phase

## Details

- Quantity:** 5 - 20 g per charge
- Temperature:** up to 3500°C, depending on quantity
- Generator:** built in
- Connection:** 230 V / 50/60 Hz (different voltage on request)
- Crucible plate:** standard crucible plate or customized crucible plates
- Options:** Special cold crucible (suction casting), Vacuum pump, Turbomolecular pumping system HVT52/G, High vacuum gauge, Water flow control, Recirculating chiller