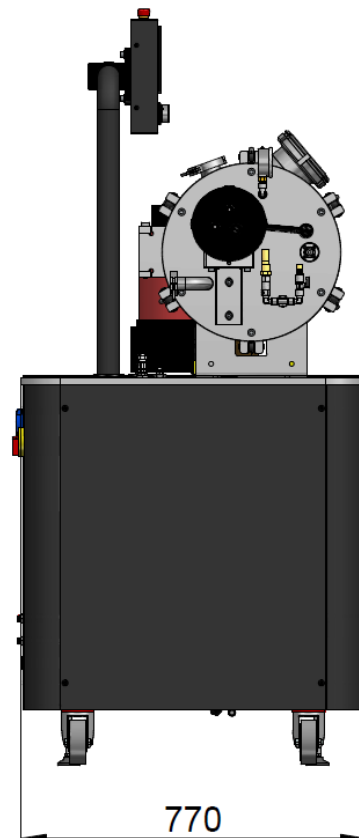
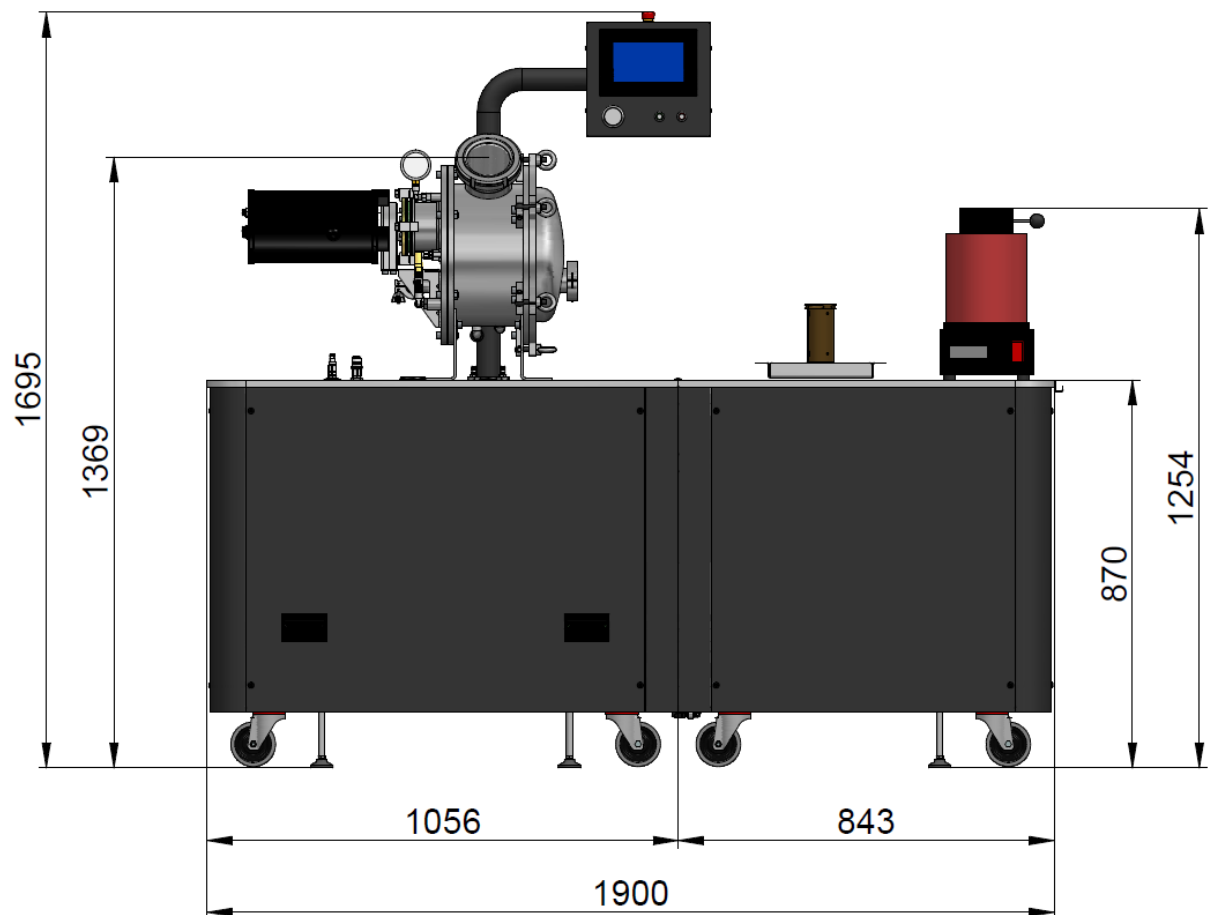


TECHNICAL DATA

ATO CAST



1. DIMENSIONS



2. TECHNICAL DATA

Label 1 Technical data for Induction Melting System for ATO Lab + atomizer

Machine type	Induction Casting Furnace
Firmware version	v. XXX
Power supply	3x400 VAC / 50, 60 Hz
Tightness class	IP 20
Control voltage	24 VDC
Installed power maximum	12 kW
Rated current	25 A (max. 30 A)
Main safety fuse	32 A
Material input system	Crucible
Maximum volume of input material for crucible	Max 150cc
Chamber pressure operating range	From -300mbar to 500mbar
Pressure in compressed air system	0,6 MPa (5.5 bar, 79.77 psi) – 0,7 MPa (6.5 bar, 94.27 psi) Internal0 compressor
Water coolant system	Chiller SMC HRS040-A
Neutral gas system pressure (Argon)	4.5 - 5 bar
Neutral gas class (Argon)	5,0 or higher
Average neutral gas consumption (Argon)	One cycle 25l
Allowed work temperature	min. 16 °C (60 °F), max. 67 °C (80 °F)
Optimal work temperature	from 18 to 23 °C (from 65 to 73 °F)
Allowed fluctuation of work temperature	± 2 °C (± 5 °F)
Optimal humidity level for machine work	55 %
Allowed humidity level during machine work	from 35 to 60 % without moisture condensation
Allowed temperature during long distance transport	from + 5 °C to + 40 °C
Allowed storage temperature	from +5 to + 35 °C
Machine weight	700 kg
Dimensions of IMS	height 1695 mm width 1900 mm depth 770 mm
Country of origin	Poland

3. Starter KIT

Ato Cast starter kit includes:

- Resistance furnace for preheating the mold.
- Mold for casting 4 rods $\phi=6\text{mm}$
- Crucible (4 pc.)
- Work plate with high temperature inserts
- Air gun with hose
- Thermal gloves
- Mold tongs