

Ajax Tocco Laboratory Induction Heating Drop Down Melting Furnace



Stock No	OF2646
Manufacturer	Ajax Tocco
Model	Induction Heating Drop Down Melting Furnace
Year of Manufacture	2004
Serial	LE279259
Condition	From a working environment, Good Condition
Max Temp	Material Dependent
Other Info	25kW Frequency Converter & R4000 Cooling
Location	Our Central Warehouse, Aldridge, UK
Weight (kgs)	600

Description

For metal heating and melting applications, induction melting provides efficient, effective, precise, and repeatable results. This set up comes complete with all the equipment required to induction melt materials for your process needs. Programmable control drop down melting furnace with closed loop water cooling system.

The TOCCOtron AC is a family of solid state air cooled power supplies built for a wide range of applications including heat treating, tempering, annealing, stress relieving, soldering, brazing, adhesive bonding and de-bonding, curing and related production and laboratory operations. Simple set-up and installation offer induction flexibility to the shop floor. Operating

efficiency exceeds 84% for reliable performance over the full power range.

Can be used for melting Aluminium, Steel and other suitable materials.

Remote control capability with built-in PLC interface Optional microprocessor based pendant controller with adjustable power and timers 230/400/480 Vac, 3 phase inputs MOSFET chopper control IGBT based voltage source inverter Automatic load matching circuitry Air-cooled design 10-50 kHz operating frequency range Automatic shut down due to fault conditions Remote mount RF coil capability.

20kW TOCCOtron AC

- RF output power = 20 kW continuous.
- Frequency Range = 10 - 50 kHz.
- RFR coil voltage = 0-700 V(rms)
- RF output current = 0-750A(rms)
- AC line input = 340 to 460 Vac 3 phase.
- AC line power = 24.5kva / 22.17 kW.
- Cooling requirements = Forced air 352cfm (166 l/s)
- Distance to remote heat station = 6ft (1.828m) standard up to 50 ft application distance.
- Customer I/O = 24Vdc PLC compatible; 0-10 Vdc control input OR supplied pendent controller.

Specifications

- Pneumatic cylinder 50mm bore and 320mm stroke.
- Original manual and electrical drawings.
- TOCCOtron PC Programme controller.
- R4000 Water recirculating cooling system.
- 460 Volts
- 39 amps
- 27.19kW
- 3 phase

R4000 Water Recirculating Closed Loop Cooling System

- Factory set at 50psi, adjustable to 100psi.
- 25 gallon reservoir.
- 460/380 VAC 50/60 Hz 3 phase.
- 55,000 BTU.
- Size - 920mm x 500mm x 900mm
- Visible water level and water flow sight glass.
- Thermal overload.
- 10 Gallons / Min at 50 psi.
- Built in bypass tank.
- Stainless steel construction.



Photographs taken prior refurbishment. Our refurbishment service is not available on all machines.