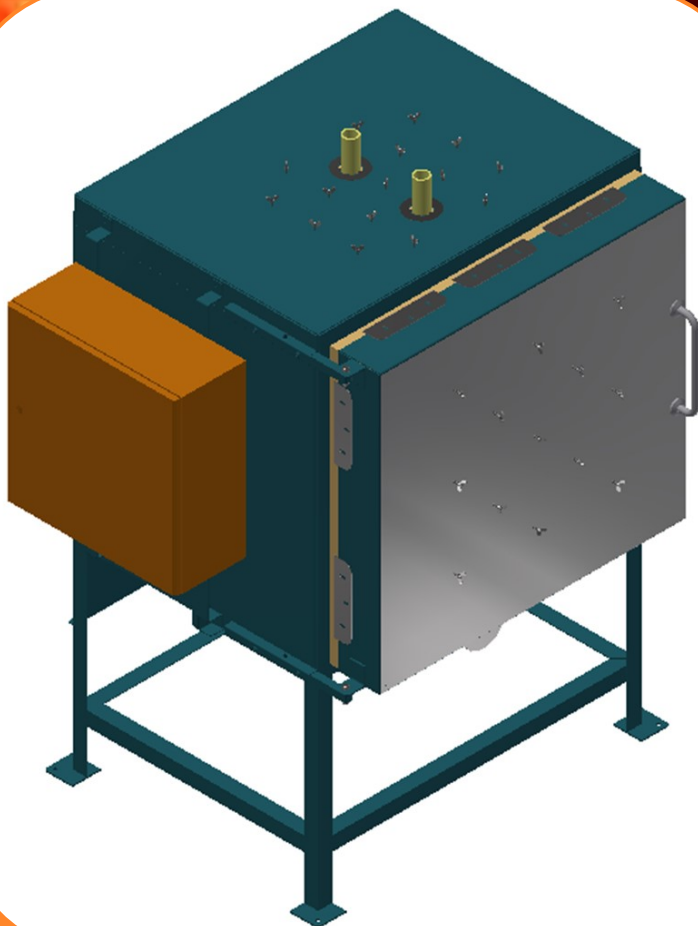




Furnace Technologies supply a range of standard or custom designed and built **Calcine Ovens** for drying and processing precious metals before the smelting process.

Our Calcine Ovens have excellent temperature uniformity and high air flows for rapid calcination. This is achieved through a unique venturi system design not found on other calcine ovens.

A wide variety of sizes and options are available and tray sizes can be made to suit your process. Power usage can be customised to suit moisture content.



Construction	Mild steel frame and stand built as one with lifting lugs
Casing	1.2 mm Zincalume / Optional Stainless Steel
Electrical	3 phase and neutral, 50 amps per phase, Supplied with 4 Meters lead and 5 pin plug
Insulation:	200mm
Elements	Kanthal A1 1300°C / 1000°C Operating Temperature
External Finish	Heat resistant hammer finish paint. / Optional Stainless Steel
Door	Left hand hinged unless otherwise requested.
Thermocouple	Type K.
Controller	Single or multi program controllers
Rack	316 Stainless steel
Trays	253 MA Stainless Steel / Fully pacified

CONTACT US

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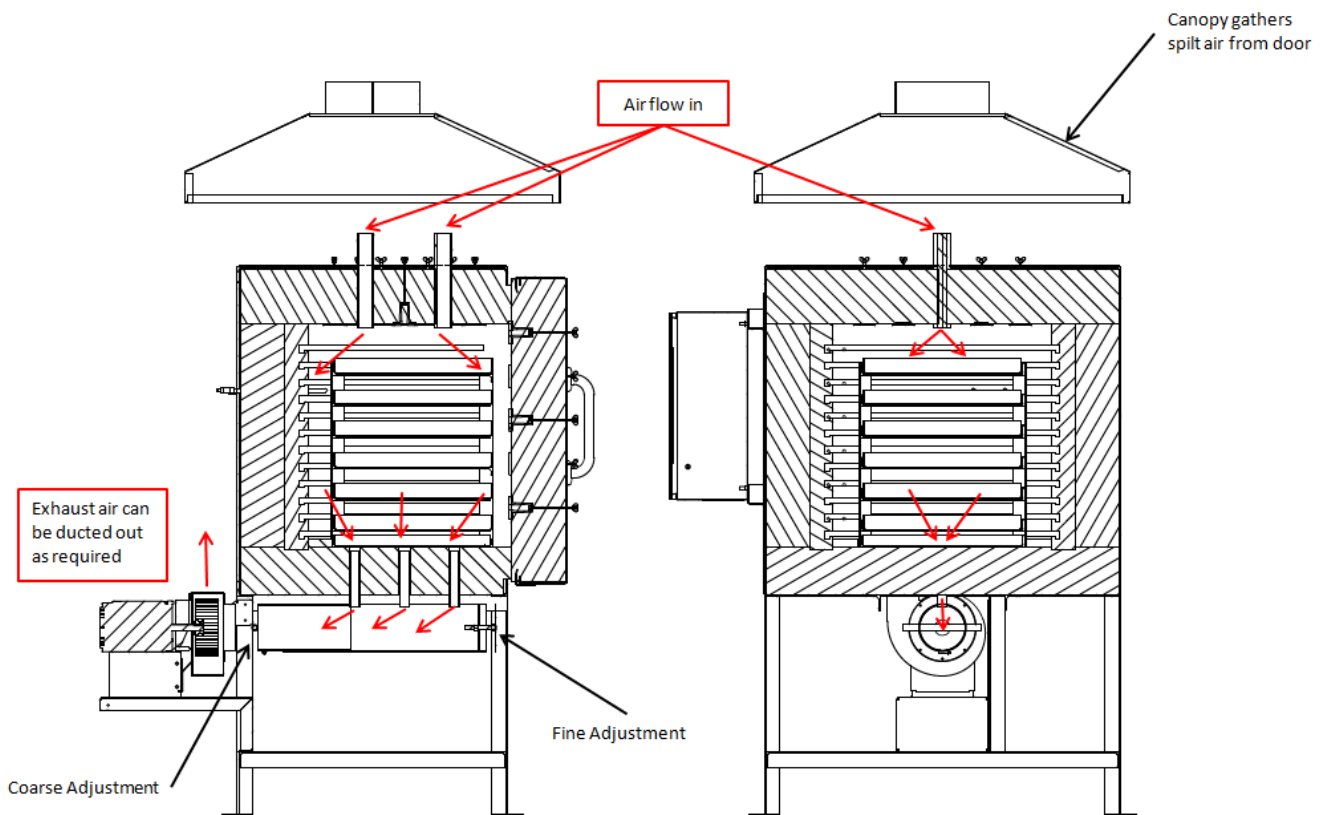
60 Cutler Road, Jandakot, WA 6164



Venturi Air Circulation System

Furnace Technologies' venturi air circulation system offers a number of benefits for the calcination process:

- More complete calcination due to the induction of oxygen into the heating chamber
- Less down-time and better lifespan due to the extraction of any acidic fumes which can be corrosive to the oven lining.
- Adjustable suction to suit the requirements of your process and the properties of the materials being fired.
- System dilutes the exhaust air with cooler external air, lowering the air temperature to protect the venturi fan from heat damage. The amount of dilution air can be adjusted.



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Standard Calcine Oven Specifications

Model	Internal mm			External mm			Weight * kg	Max Tray mm	Qty Trays	Power kW	Temp °C
	Width	Depth	Height	Width	Depth	Height					
CAL55555-6	700	650	710	1495	1585	1865	470	550 x 550	6	17	1000
CAL55555-8	700	650	910	1495	1585	1915	515	550 x 550	8	21	1000
CAL55555-12	700	650	1310	1535	1595	2345	710	550 x 550	12	26	1000
CAL65655-6	800	750	710	1595	1685	1865	530	650 x 650	6	22	1000
CAL65655-8	800	750	910	1595	1685	1915	580	650 x 650	8	28	1000
CAL65655-12	800	750	1340	1585	1695	2345	790	650 x 650	12	34	1000
CAL656510-24	1530	790	1790	2500	1685	2630	1415	650 x 650	24	56	1000
CAL75755-6	900	850	710	1730	1785	1865	590	750 x 750	6	28	1000
CAL75755-8	900	850	910	1730	1785	1915	640	750 x 750	8	31	1000
CAL75755-12	900	850	1340	1770	1810	2320	880	750 x 750	12	43	1000
CAL85855-6	1000	950	710	1830	1885	1865	665	850 x 850	6	30	1000
CAL85855-8	1000	950	910	1810	1885	1920	735	850 x 850	8	38	1000
CAL85855-12	1000	950	1340	1870	1910	2320	965	850 x 850	12	48	1000

* Weight given excludes rack and trays



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A select range of high quality controllers is available with our Calcine Ovens This allows you to choose an option that offers the programming specifications, functions and interface that best fit your needs and provides the desired degree of control of the firing process.

FY 400

FY 700



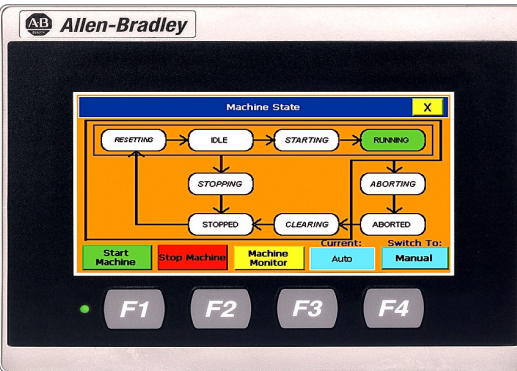
TAIE Temperature Controllers

- ◆ Digital PID Controller
- ◆ Single (FY 400) or multi program (FY 700)
- ◆ 8 steps in each program



Shinko PCB Temperature Controller

- ◆ Digital PID Controller
- ◆ 10 program
- ◆ 10 steps in each program



Allen-Bradley

Micro 820 PLC Temperature Controller

- ◆ 10 program
- ◆ 10 steps in each program
- ◆ Pre-programmable in factory
- ◆ Detailed feedback of alarms or process failures for troubleshooting and maintenance
- ◆ View, record and save graphs of firing cycles
- ◆ Custom programs or interface available

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