Alhern - Martin MESH BELT BRAZING FURNACE

Manufacturer:	Alhern Martin
Type:	Mesh Belt Brazing Furnace
Work Area Dimensions:	24" wide x 12" high x 3' preheat and 14'-0" heated 24" wide x 12" high x 2' pre-cool transition 29'6" long water-jacketed cooling section
Overall Dimensions:	72" wide x 84" high x 67'-0" long
Heat:	Electric 480/3/60
Zones:	Two (2) zones of control Total heat input (225Kw) Zone 1 (125Kw) Zone 2 (100Kw)
Max. Temperature:	2100°F.
Controls:	The required control and power regulation components are mounted within a free standing control panel and consists of, but not limited to, the following: • Two (2) Barber Colman 580 controllers • Two (2) Barber Colman 121 Hi-Limits • Boston Gear belt speed indicator • Boston Gear belt speed controller 0-100 IPM
General:	Standard Alhern design with a 23" wide 314 stainless steel woven mesh belt driven by a Boston Gear AC Ratiotrol variable speed drive package. The furnace has an 8' long load table, 2' long entrance tunnel, 3' pre-heat section, 14' of heating, 2' transition section, 29-1/2' of water jacketed cooling and an 8'-6" unload table The furnace heating chamber walls and roof are lined with

	lightweight, energy efficient ceramic fiber blanket insulation. The furnace floor is lined with insulating fire-brick. Refractory piers support guide edge hearth plates and the furnace belt. Heating is provided by silicon carbide elements mounted above and below the hearth for even heat distribution. Power to the elements is supplied by tap transformers and SCR's The water-jacketed cooling sections are a sealed cover design and utilize Sterlco automatic control valves for temperature control
Exothermic generator:	The generator is manufactured with a horizontal style combustion chamber. The combustion chamber is refractory lined and contains nickel impregnated catalyst for efficient gas cracking. The generator combustion chamber is cooled with an outer jacket. The generator will produce up to 8000CFH. The combustion system is a pre-mix design with a sealed type burner. The system utilizes a Waukee pump, carburetor, two flow meters, one for gas metering (0-1200 CFH) and one for air metering (0-7500 CFH), pressure regulator for natural gas, pressure switches, Selas fire-check and Eclipse safety shut off valve. The system will incorporate a flame safeguard with an ultra-violet flame scanner. A Barber Colman 121 indicating controller and thermocouple will be provided for safe operation of the generator. The atmosphere gas will be cooled by a shell and tube type bundle with a separator box and condensate trap.
Refrigerant Gas Dryer:	One (1) refrigerant gas dryer is provided to cool 8000 CFH of inlet exothermic gas from 110°F. to an outlet temperature of 50°F. The dryer is piped and wired, complete with motor starter, pressure switch, temperature control, pressure gauge and temperature gauge.
Condition:	Good
Price:	Please contact us