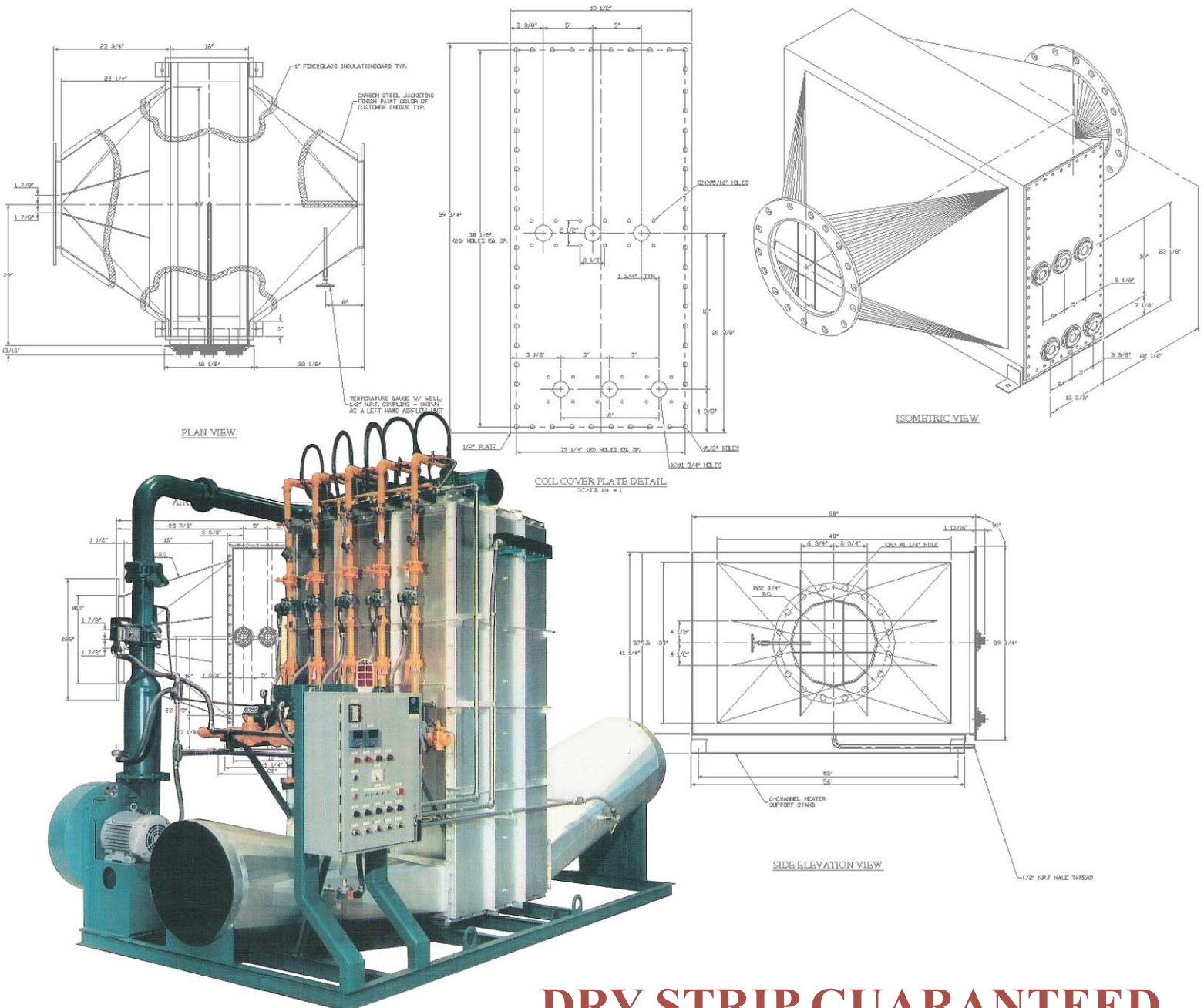


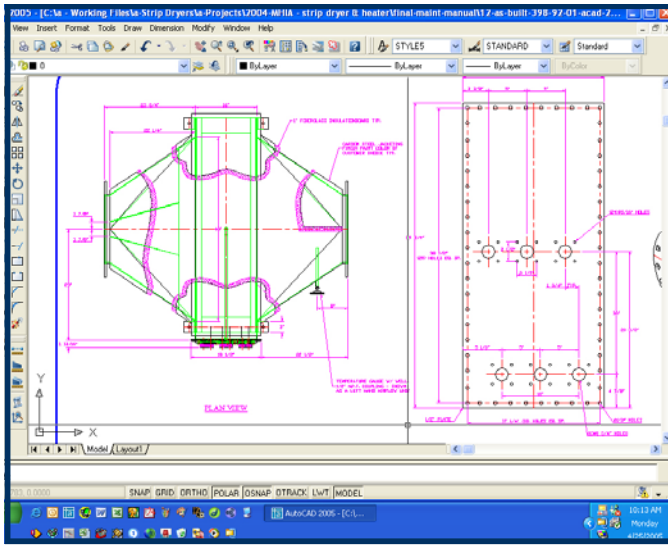
## STRIP DRYING SYSTEMS

- CLEANING
- TENSION LEVELING
- QUENCHING
- CHEMICAL TREATING
- SURFACE CONDITIONING
- PICKLING

-ANY PROCESS WHERE STRIP NEEDS TO BE DRIED-



**DRY STRIP GUARANTEED**



**SINCE 1979, AIR LIQUID SYSTEMS, INC.** has designed and manufactured a broad line of complete strip drying systems, including heaters, interconnecting piping, piping supports, and all components for seamless installation.

Our services include total system proposals, design, manufacture, installation supervision, and start-up support. In addition to complete systems, Air Liquid Systems supplies all necessary spare parts.

Air Liquid Systems' Strip Dryers can be provided with steam heaters, direct fired gas heaters, indirect fired gas heaters, electric heaters, or no heat, depending upon conditions and customer preference. Each system is guaranteed to provide completely dry strip.

**Direct Fired Gas Heater** complete with "IRI" type valve train, a combustion air blower, and a heater protection control panel. Safety shut-down features include settings for high gas pressure, low gas pressure, low combustion air flow, low main air flow, and high temperature. This unit is designed for a discharge temperature of 300° F-350° F (149° C-177° C) with the high temperature limit set at 450° F (232° C).



**Horizontal Header Support Table** with sound enclosure. The sound enclosure includes a drip pan and vent fan for removal of hot moist air from the cabinet. Field testing of the noise level of this unit is less than 85 decibels.



**Horizontal Header Support Table** with four (4) sets of 6" (152 mm) diameter, 30° "V" headers with adjustable slots, entry and exit EDPM-coated header protection rolls (not shown), and air distribution box. This unit is used to dry steel strip after cleaning at 968 ft./min. (295 m/min.), 49" (1245 mm) strip width.



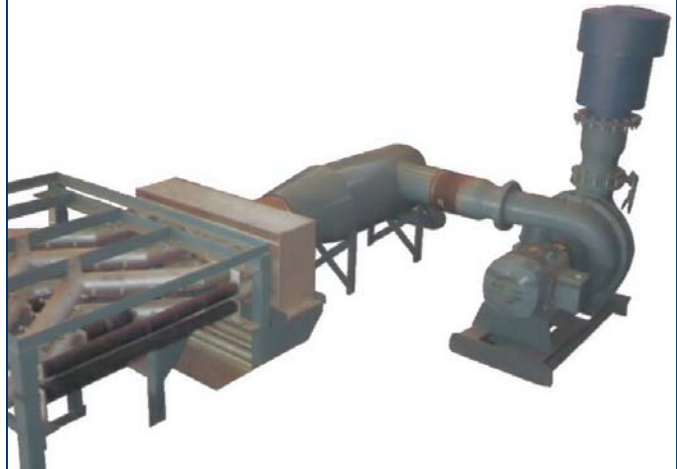
**Strip Drying System** with an indirect fired gas heater located after chemical treatment. This system is designed to dry 72" (1830 mm) wide strip at line speeds of up to 600 ft./min. (182 m/min.).



**Strip Drying System** with a steam heater on a push-pull pickle line. This system is designed to dry 72" (1830 mm) wide strip at speeds of up to 500 ft./min. (152 m/min.).



**Vertical Header Support Structure** with three (3) sets of 6" (152mm) diameter, 15° "V" headers with adjustable slots, entry and exit EPDM-coated header protection rolls, and air distribution box. This unit is used to dry steel strip after quenching at 600 ft./min. (182 m/min.), 49" (1245mm) strip width.

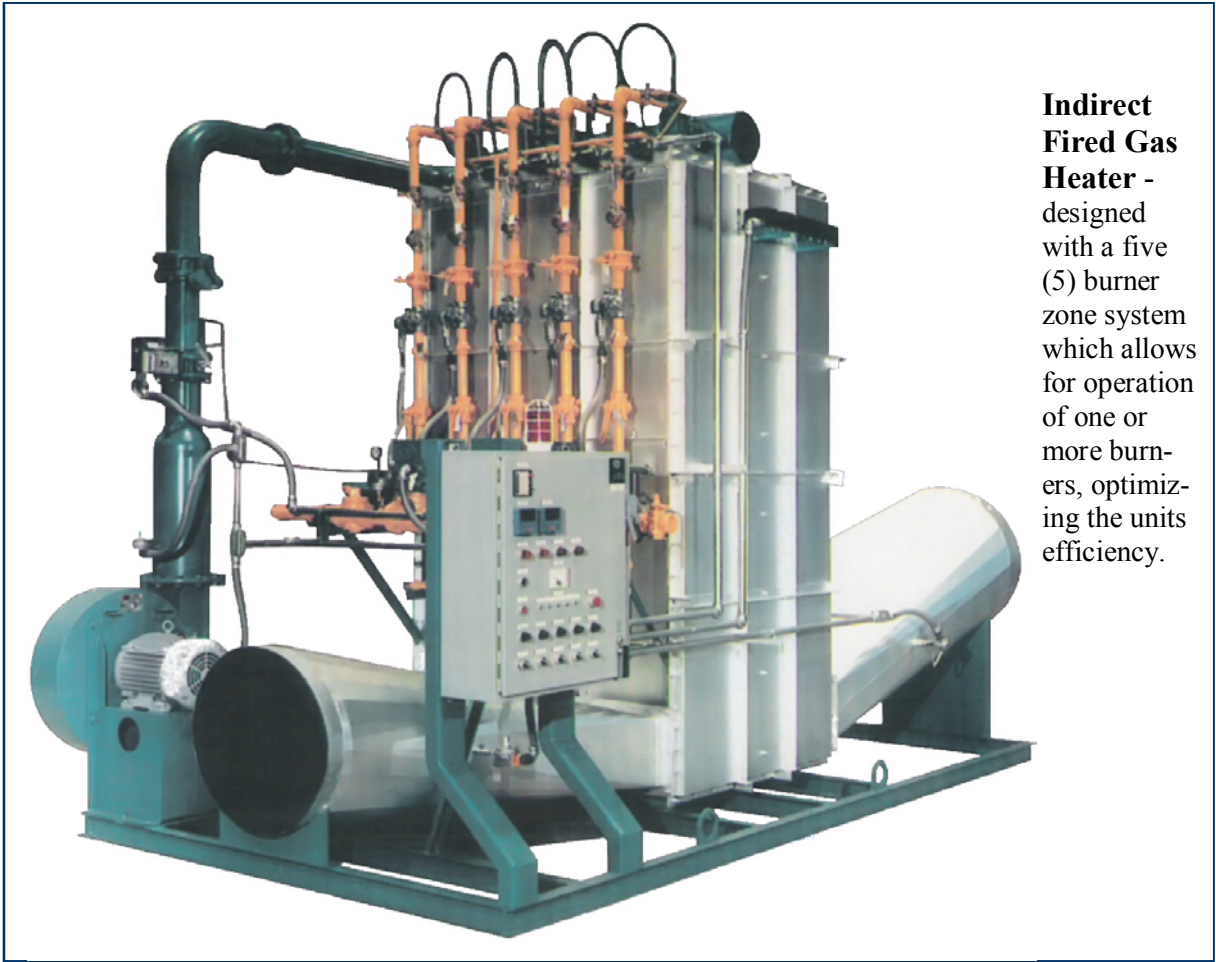


**Strip Drying System** with a direct fired gas heater located after chemical treatment. This system is designed to dry 49" (1245 mm) wide strip at line speeds of up to 600 ft./min. (182 m/min.).

**Centrifugal Blowers** - Air Liquid Systems, Inc. supplies all complete strip drying systems with Gardner Denver's cast multi-stage centrifugal blowers, complete with base, coupling, coupling guards, and electric-driven motor. Materials of construction are cast iron heads and sections, fabricated or cast aluminum impellers mounted on a ground and polished shaft, and a fabricated steel base. All blowers are factory run to ensure proper operation with vibration levels less than 0.28 in./sec. (7 mm/sec.) velocity.







**Indirect Fired Gas Heater** - designed with a five (5) burner zone system which allows for operation of one or more burners, optimizing the units efficiency.

**Steam Fired Heater** - 33" x 48", 6-row, red brass.



**AIR LIQUID SYSTEMS INC.**

315 Fire Station Road · PO Box 218 · Forbes Road, PA 15633 · USA

Phone (724) 834-8090 · Fax (724) 834-7120

Email: [inquiry@airliquidsystems.net](mailto:inquiry@airliquidsystems.net)

Website: [www.airliquidsystems.net](http://www.airliquidsystems.net)