

# MAXIDRY



MD-464

## Four Loads Per Hour

Productivity is the benchmark by which all large tumblers are measured. The MD-464 can dry up to four loads per hour of terry towels\*. With its 175 cu. ft. basket, 2.8 million Btu/hr, and 13,000 cfm, this performer will show immediate returns through added productivity.

The MD-464 is an industrial grade dryer suited to batch, conventional, and overhead sling conveyor operations. MaxiDry offers the laundry manager the highest possible level of flexibility, fast drying, and safety.

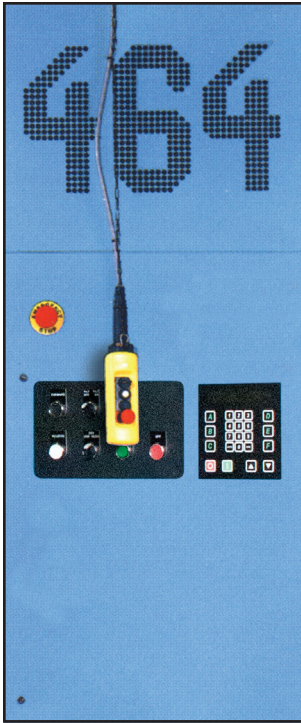
We manufacture the MD-464 as an "all-inclusive" machine. MaxiDry incorporates as standard every feature necessary for proper operation. Our competitors prefer to offer their machines as stripped down. They add important features, such as, sprinkler systems\*\*, computer controls, insulation, rotational sensors, and even lint collection systems as expensive options.

The MD-464 is constructed and can be shipped in two (2) or four (4) modules, easily integrated at the installation site using simple, military spec, quick-connect plugs.

\* Test results may vary by location. In-house test results are available upon request

\*\* Sprinkler system standard on MaxiDry steam model.





Front Control Panel

## The Control Module

The MD-464 controls are composed of two (2) basic sections: the drying controls and the load/unload controls. At the heart of the drying controls is an industrial grade highly reliable, easy-to-program computer. The computer or PLC (programmable logic controller) maintains a complete array of self-diagnostics throughout the dryer to assure that all components are operating properly. The computer allows the

operator to access a "system program" mode which determines functions such as load/unload positioning and spin/dwell times. The "pre programmed cycle" mode is the one in which actual programming of parameters to six (6) different drying cycles can be entered, either in the manual timed mode or our patented automatic, percentage dryness mode.

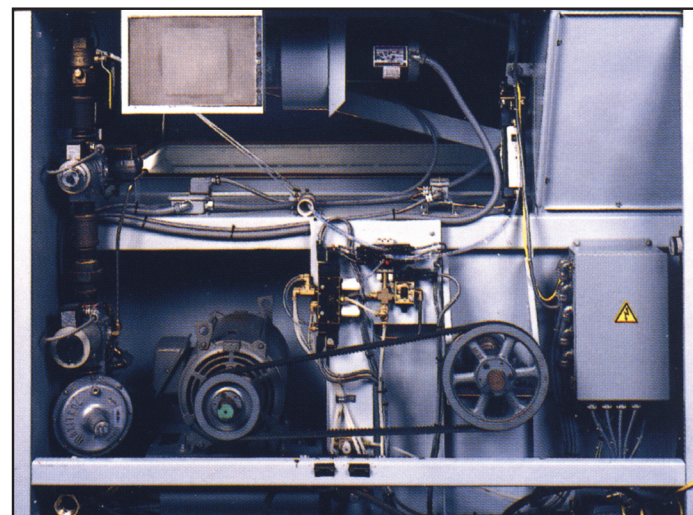
The load/unload functions are handled by front and rear panel controls. An optional front pendant is available. They are designed to enable to operator to load or unload the dryer from the front or rear safely and easily. In general, the MD-464 PLC oversees the proper running of all functions, such as, drying cycles, load/unload, lint collection and air recirculation. As a benefit to the service technician, all computer and electrical wiring is neatly arranged within the main control module for easy access.

The MD-464 PLC has our unique "anti-wrinkle" feature already programmed into each cycle. With "anti-wrinkle," the dryer is programmed to tumble without heat should the attendant not be aware that the cycle is finished. As a result, the load is finished without wrinkles, and the possibility of spontaneous combustion is greatly reduced.

## The Basket/Drive System Module & Blower Motor

A true 460-lb. capacity is assured by the 175 cu. ft. basket, which is stabilized front to back by eight (8) retaining wheels. The MD-464 dryer's standard basket is stainless steel and is machined to assure that the heavy-gauge basket rings are true in diameter and flatness. The basket is rotated by 11-inch diameter drive wheels mounted on 2-inch steel shafts which are powered by a 7-1/2 hp totally enclosed motor.

The entire basket module, both sets of doors, all control panels, burner chamber, and exhaust duct come fully insulated as standard to ensure maximum heat efficiency and noise suppression.

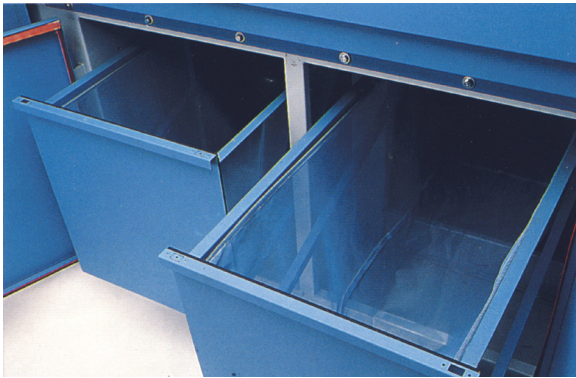


An impressive drying time and finish is achieved by coupling a 25 hp totally enclosed blower motor which moves 13,000 cfm of air with our energy-saving air recirculation system. As soon as a pilot flame is established, the pneumatic air reclaimer goes to work and stays in operation during the entire heating cycle. Our system achieves a 17% rate of hot air reclamation, thereby drastically reducing energy costs.

## The MDG-464 Burner

The MDG-464 gas burner delivers an efficient 2.8 million Btu/hr. It is controlled via the PLC by a burner control module that ensures that all safety checks have been adequately satisfied. Once the spark ignition system establishes a pilot flame, the heat reclaimer is activated, and the gas valves begin operating to maintain the flame. As a safety precaution, we have designed our gas valve system to prevent sudden surges of gas into the burner. When ready, the first of two (2) motorized valves open. Once fully opened, the second does the same.

## Standard Lint Drawers



Of utmost importance to any dryer, but especially to one of the high-capacity class, is the extraction of lint.

Standard on the MD-464 for lint removal are two lint drawers located directly under the basket and accessed from the left side of the dryer (when viewed from the front of the dryer).

## Automatic Fan Cleaning

Only MaxiDry incorporates an automatic compressed air fan cleaning system. Some dryers require that their fans be cleaned on a daily basis; others require multiple cleanings per day. MaxiDry filters the exhaust air prior to the fan, eliminating almost all debris that would collect on the fan. At the end of each cycle, a powerful blast of compressed air removes any tiny particles that might collect and throw the fan out of balance or reduce airflow through the dryer and cause inefficiency or possibly a fire.

## The MDS-464 Steam-Heated Dryer

For the industrial steam laundry operation, we offer the MDS-464 which incorporates the exclusive MaxiDry air-operated steam damper system. This system greatly extends the life of the rugged coil since it is constantly charged with steam. To protect against lint buildup at the coil, it is protected with its own lint screen. This damper system also provides the dryer with an instant source of heat, as well as cool down. Our recirculation package is standard on the ADS-464; thus, maximum heat utilization is assured.

