



Wisconsin Manufacturer Provides CE Compliant Industrial Drying Systems to Europe

Based in Green Bay, Wisconsin, ASI, Division of Thermal Technologies, Inc., designs and manufactures drying systems for the continuous process and converting industries. When ASI began operations in 1986, graphic arts dryers made up a large share of our dryer sales. Over the past three decades, ASI has transformed into a customized, industrial dryer manufacturer by providing customers with drying, curing, and cooling systems specifically engineered and built for their application. Our seasoned sales engineers understand the complexities of our customers' processes and are ready to assist with your next project. Customers seek out our highly reliable, quality-constructed products because of our engineered, made-to-order solutions that are tailored to each customer's needs. We design to your specifications, space constraints, and performance requirements.

CE COMPLIANT DRYING SYSTEMS

In the past year, ASI has sold several dryers to the European market due to our systems' unparalleled performance, reliability, and CE (i.e., European Conformity) compliance. Earlier this year, ASI delivered a two-zone, arched roll support drying system to Scotland, and we currently are working on two more drying systems that will be delivered to Poland by early 2021.



ASI roll support dryer delivered to a European customer. Direct driven, live shaft rolls are shown prior to guard installation, along with external screw jack retraction system that provides 18 inches of upward travel for web up, cleaning, and maintenance.

To meet our European customers' needs, ASI has taken the necessary steps to ensure that our drying systems are CE compliant. This involves only using CE certified electrical components, providing customers with equipment risk analyses and mitigation reports, designing and implementing mitigation safety features, and having an authorized third party audit the electrical schematics for the drying systems. Mitigation features include the use of lockout-tagout accommodations on electrical cabinets and safety disconnects; special guarding around fans, makeup air linkages, and roll bearings and belts to prevent access; and redundant safety assemblies on retraction systems to prevent operation when safety blocks are absent.

DRYER DESIGNS-FLOTATION, ROLL SUPPORT, THRU-AIR, VERTICAL

No matter where our drying systems are installed, customers seek out our engineering expertise, quality workmanship, and safe and reliable drying systems. All of our dryers are designed using years of research and empirical data to provide the exact amount of air, heat, and dryer length required. ASI specializes in flotation drying systems that are designed to float and dry the web without flutter or web curling. When flotation is not an option, we routinely design roll support and thru-air (i.e., conveyor or belt) drying systems. Visit our website at www.asitti.com to learn more about our drying systems, capabilities, and to get a quote.



Top: Staggered AirBars in our flotation drying system create a sine wave with the web to promote stability and prevent edge curl. *Middle:* Arched roll support dryer with roll guarding indicating web pathway. *Bottom:* Thru-air drying system with roll supported, stainless steel mesh belt to transport web through the dryer.

In addition to meeting customers' performance requirements, we also design to our customers' space constraints which may require a vertical or specially oriented drying system. ASI is adept at designing drying systems that fit into a customer's available space.



ASI single zone, vertical roll support drying system. Web enters and exits at the bottom of the dryer and follows the arched roll pathway as shown by the yellow roll guarding.

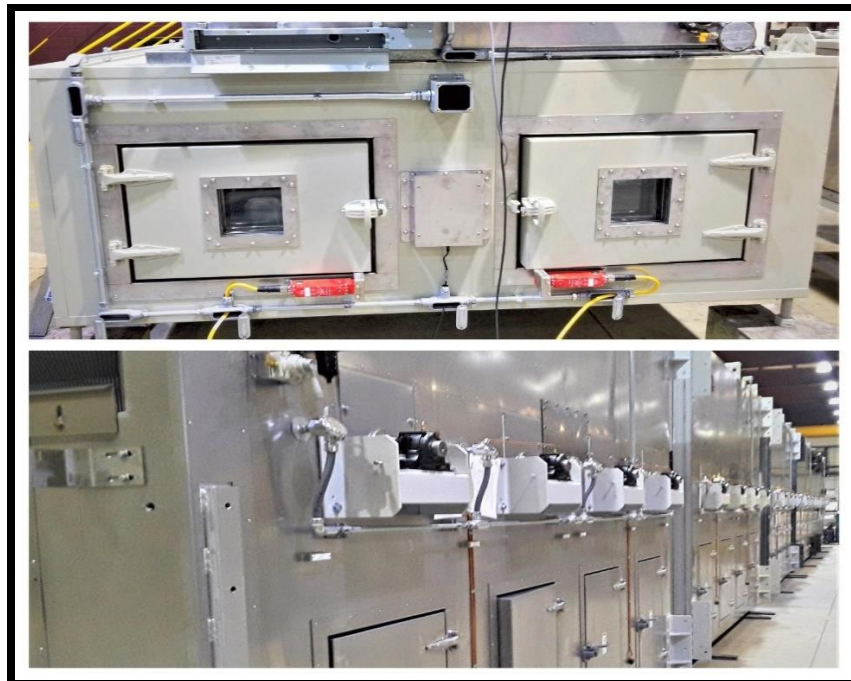
DRYERS WITH RETRACTION

Customers often want easier access to the interior of the dryer and web for web-up, cleaning, and maintenance. All of our dryers can be designed with internal or external retraction systems. Visit our YouTube Channel to watch videos demonstrating our external retraction systems, along with other tutorials on ASI's drying systems. <https://www.youtube.com/channel/UCLReNB9PIJAY2Ftu60LFk9A>



Two-zone flotation drying system with external retraction. Retraction is motor actuated and provides 18 inches of upward travel by way of screw jacks for web-up, cleaning, and maintenance.

No project is too small or too big. ASI has designed and built drying systems and lab line dryers from less than four feet long to over 200 feet in length.



Top: Six-foot single zone lab line drying system.
Bottom: Multi-zone drying system that is over 100 feet long.

DEDICATED SERVICE TEAM

ASI has an experienced and knowledgeable service team that is ready to assist with installations, startups, and preventive maintenance. Startup time is greatly reduced through our extensive in-house checkout procedures and by having one or more ASI service technicians onsite. During startup, our technicians will review the installation; ensure that all components are operating; set the web line; power on the system; check air flows, pressure switches, and heat sources; and test dryer operation. Our technicians will also train operators and other personnel on how to operate, troubleshoot, and maintain the provided equipment. We also offer a robust preventive maintenance program that includes checking the safety circuitry, leak checking the gas valves, verifying and adjusting exhaust flows and heat sources, balancing the air delivery system, and inspecting the entire system for worn parts.

CONTACT US TODAY AT ASI_INQUIRIES@ASITTI.COM OR CALL US AT 920.468.5477.