



**FIRM PROFITS IN  
FORCED CONVECTION.**

# XT Series

## XT-12.4 TRAY DRYER

**Proven Technology for Efficient  
Dehydration of Large Volumes.**

**An Effective and Enduring Equation...  
Time + Temperature + Convection =  
Operational Success and High Profits**

While the technology may not be new, Midwest Custom Solutions will help you design, engineer and build your next forced convection, continuous conveyance Tray Drying System specifically created for your own product's unique operational requirements and dehydration essentials.

Simply explained, "Forced Convection" consists of large-volumes of controlled, heated air circulated over and through the process material which has a high-moisture content. As the dry, heated air is moving around the material, moisture is drawn out of the product in the form of water vapor or steam. The water-saturated air is then removed from the dryer via a process air exhausting system.

This simple dehydration technique has been utilized for eons, however, when large volumes of valuable product material like yours requires precise, specific results, MCS is here to partner with you in providing a custom solution perfect for your individual critical needs and operational requirements.



**"MADE IN AMERICA" REAWAKENED  
FORGED IN THE CRUCIBLE OF LIBERTY  
POWERED BY THE FUEL OF FREEDOM**

# FIRM PROFITS IN FORCED CONVECTION.

As with all systems and products manufactured by Midwest Custom Solutions, we've selected only the highest-quality components and materials for our XT Series Tray Dryers including industry-leading bearings, burners, motors and drive mechanisms for the perforated tray conveyor assembly.

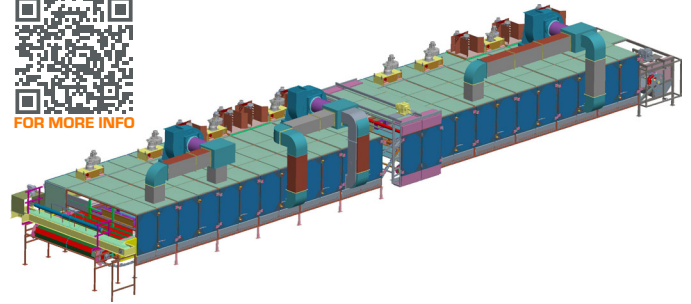
Each frame section of our XT Series Tray Dryer System is constructed of high-quality steel tubing and precision assembled by our highly-skilled fabrication technicians. All welds are meticulously placed with artisan craftsmanship and intent yielding high material penetration which guarantees countless hours and many years of worry-free processing.

Burner assemblies and Burner Management Systems (BMS) for our XT Series Dryers are only selected from industry-leading manufacturers and suppliers for their high-efficiency operation and extreme durability delivering controlled, precise and extraordinarily-efficient service air to your dehydration operations.



Trays for the XT Series Dryer Conveyor System may be customized to your individual needs and requirements. Material selections, tray formation and tray perforation size and placement are critically essential to the success your unique processing requirements.

At MCS, we know it's not just about how process air moves through the dryer, but how process air is moved through your product to provide the most thorough, complete and precise moisture content when material exits the dryer.



Stainless Steel is used throughout the XT design to provide extreme durability in harsh or acidic environments. Exterior panels, access doors, trays and all critical components are engineered and built with durability and longevity as key, essential criteria.



Fan assemblies and frames are precision engineered and assembled which feature balanced rotor spools for smooth, quiet, dependable movement of large volumes of air. Our fans are designed with personal protection of your technicians in mind since your operator's safety will always remain our top priority at MCS.

We've strategically incorporated lifting lugs and pick-points into the XT Series design for easy, quick and worry free movement and lifting of heavy components - something few consider until several thousand pounds of steel are hanging in the air from the boom of a crane.

As with all of the products manufactured at Midwest Custom Solutions, our XT Series Tray Dryers are finely finished with high-quality, industry-leading paints, coatings and sealing products.

We diligently strive to build value into every facet of our products, ensuring all of our equipment provides the longest-lasting, greatest value for your investment dollars.

