



Introducing *Trilogy Series* with Vacuum Cooling

3 Models with Capacities
from 430 BPH to 990 BPH



*Vacuum Cooling technology
now available in our newest
3 in 1 continuous flow dryer!*

*The Only Grain Dryer in the Industry
that Operates in Three Different Modes
for 3 in 1 Flexibility!*

- *Full Heat*
- *Pressure Heat/Pressure Cool*
- *Pressure Heat/Vacuum Cool*

Vacuum Cooling is key to the popularity and success of M-C Tower Dryers. Now, that technology has been applied to the Trilogy Series 3 in 1 continuous flow dryer.

The Benefits of Vacuum Cooling

Vacuum Cooling reclaims heated air from cooling the grain and results in less fuel usage and significant dollar savings. After blending with ambient air drawn from outside, the pre-heated air is returned to the blower, lowering energy consumption and producing maximum efficiency!

M-C Continuous Flow Dryer Features

- Large wet grain hopper for fewer filling cycles.
- 12" grain columns eliminate large moisture differences between inside and outside of columns, allowing for more uniform drying.
- Pinnacle Lite TruDry Technology controls located in NEMA IV rated, weather protected cabinet.
- Maxon® NP burners with engineered profiling provide even, efficient heat at low pressures throughout the plenum chamber.
- Automatic safety controls protect the dryer.

Innovation • Expertise • Quality

PINNACLE LITE TruDry Technology

Easy to Use!

- 5.7 inch full color touch screen, programmed with a simple, intuitive interface.
- Dryer discharge rate can be operated in manual or automatic mode. Switch modes with a single touch.
- Clear, easy to understand operation and alarm setpoints.
- Maintains a history of warnings and alarms.



Accurate and Advanced!

- Four state-of-the-art RTD sensors with signal-enhanced transmission to ensure accurate grain sensing.
- Ethernet switch provides remote monitoring capabilities.
- USB port available for data transfer.
- NEMA IV rated control cabinet can be located remotely up to 300 feet from the dryer.

Reliable Built-In Failsafe!

In the event of a PLC system failure, the dryer can be operated in manual override mode.

Even if the unthinkable happens, you will always be able to dry grain!



Specifications & Capacities

MODEL	T2030	T2440	T2850
Holding Capacity (bu)	470	560	650
Grain Column Thickness	12"	12"	12"
Grain Column Length	20'-0"	24'-0"	28'-0"
Operating Height	14'-6"	14'-6"	14'-6"
Overall Length	30'-6"	34'-6"	38'-6"
Overall Width	7'-5"	7'-5"	7'-5"
Burner Capacity (all heat) MMBTU/hr	7.69	9.23	10.77
Burner Capacity (heat + pressure cool) MMBTU/hr	5.33	6.39	7.46
Burner Capacity (heat + vacuum cool) MMBTU/hr	3.66	4.39	5.12
Fan Motor Size (HP)	30	40	50
Level Auger Motor Size (HP)	3	3	3
Unload Auger Motor Size (HP)	1.5	1.5	1.5
Estimated Capacity (bu/hr) (shelled corn, all heat, 25%-15% w.b.) ¹	405	485	565
(shelled corn, all heat, 20%-15% w.b.) ¹	710	850	990
Estimated Capacity (bu/hr) (shelled corn, heat + cool, 25%-15% w.b.)	245	295	345
(shelled corn, heat + cool, 20%-15% w.b.)	430	520	600

The information contained in this brochure is intended to assist our customers in selecting the grain drying system that they believe best meets their unique preferences and needs. The performance figures and capacities presented in this brochure are only estimates, based on calculated simulations, and do not constitute express or implied warranties. Many factors influence the grain drying process, including ambient temperature, relative humidity, grain variety, grain quality, grain temperature, dryer operating temperatures, dryer add-ons and accessories, and dryer condition, maintenance and operation.

At Mathews Company, we are continuously striving to improve our products. Accordingly, changes may occur that are not reflected in the specifications and capacities contained in this brochure.

¹ It is generally recognized that grain discharged hot at 17.5% moisture will result in approximately 15% moisture after steeping and cooling.

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Grain Dryer Specialists For Nearly 60 Years

