

LEGACY SERIES

SPECIFICATIONS & CAPACITIES

MODELS	L1250	L1350	L2550	L2650	L2700	L3100	L3105	L4145	L5175	L6205
Holding Capacity (bu)	474	712	904	1,019	1,019	1,326	1,326	1,633	1,940	2,247
Grain Column Thickness	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"
Grain Column Length	16'-0"	24'-0"	24'-0"	24'-0"	24'-0"	24'-0"	24'-0"	24'-0"	24'-0"	24'-0"
Burner Capacity, heat+cool (MMBTU/hr)	3.29	3.97	7.46	10.33	10.33	16.45	16.91	14.32	19.09	23.86
Burner Capacity, all heat (MMBTU/hr)	5.01	7.01	10.56	13.50	13.50	20.01	19.89	22.08	26.85	31.62
Number of Fans	2	2	3	3	4	4	6	6	7	8
Total Fan Motor Size	25 HP	35 HP	55 HP	65 HP	70 HP	100 HP	105 HP	145 HP	175 HP	205 HP
Level Auger Motor Size	3 HP	5 HP	5 HP	5 HP	5 HP	5 HP	5 HP	10 HP	10 HP	10 HP
Unload Auger Motor Size	1.5 HP	1.5 HP	1.5 HP	3 HP	3 HP	3 HP	3 HP	3 HP	3 HP	3 HP
Overall Height	17'-6"	17'-6"	22'-6"	25'-6"	25'-6"	33'-6"	33'-6"	41'-6"	49'-6"	60'-9"
Overall Length	24'-5"	32'-5"	35'-7"	35'-7"	35'-7"	35'-7"	35'-7"	35'-7"	35'-7"	43'-10"
Overall Width	7'-5"	7'-5"	7'-5"	8'-4"	8'-4"	8'-4"	8'-4"	8'-4"	8'-4"	8'-4"
Electrical Load (208V/3ph/60Hz)	129 Amps	164 Amps	218 Amps	367 Amps	276 Amps	367 Amps	371 Amps	481 Amps	581 Amps	681 Amps
Electrical Load (230V/3ph/60Hz)	118 Amps	151 Amps	201 Amps	232 Amps	255 Amps	334 Amps	343 Amps	437 Amps	527 Amps	617 Amps
Electrical Load (460V/3ph/60Hz)	59 Amps	75 Amps	100 Amps	116 Amps	127 Amps	167 Amps	171 Amps	219 Amps	264 Amps	309 Amps
Capacity, Shelled Corn, heat + cool (bu/hr, 25%-15% w.b.)	up to 280	up to 410	up to 645	up to 735	up to 800	up to 1,100	up to 1,250	up to 1,350	up to 1,750	up to 2,188
Capacity, Shelled Corn, heat + cool (bu/hr, 20%-15% w.b.)	up to 430	up to 630	up to 1,010	up to 1,130	up to 1,230	up to 1,700	up to 1,900	up to 2,300	up to 2,925	up to 3,656
Capacity, Shelled Corn, all heat (bu/hr, 25%-15% w.b.)	up to 500	up to 730	up to 1,040	up to 1,170	up to 1,270	up to 1,490	up to 1,595	up to 1,670	up to 2,080	up to 2,496
Capacity, Shelled Corn, all heat (bu/hr, 22%-15% w.b.)	up to 615	up to 915	up to 1,300	up to 1,470	up to 1,590	up to 1,850	up to 1,970	up to 2,450	up to 3,050	up to 3,660
Capacity, Shelled Corn, all heat (bu/hr, 20%-15% w.b.)	up to 725	up to 1,080	up to 1,690	up to 1,895	up to 2,040	up to 2,350	up to 3,020	up to 3,700	up to 4,200	up to 5,040

* Grain discharged hot from the dryer at 17.5% moisture should result in a final moisture content of 15% after cooling (dryeration).

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.



Scan the code with a QR reader on your smart device to view the Legacy Series online.

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

Your Authorized M-C Dealer is:



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LEGACY SERIES EXPANDABLE DRYERS

10 Expandable Models with
Capacities from 430 BPH
to 5,040 BPH





LEGACY EXPANDABLE SERIES

Innovation • Expertise • Quality

PINNACLE LITE | AccuDry powered by **Dryer Master**® technology



Moisture Based Control – AccuDry™, powered by industry leader, Dryer Master®, measures incoming and discharged grain moisture to control the discharge rate of the dryer, ensuring accurate and reliable moisture control.

- Overall dryer control and operational data is presented on the clear, easy to use Pinnacle Lite full color touch screen.
- Available charting shows trending of incoming and discharge moisture; maintains history of warnings and alarms.
- Controls are protected in a NEMA IV-rated control cabinet that can be located remotely away from the dryer.
- Easily switch to manual mode in the unlikely event of PLC failure; this backup is a standard feature on every M-C grain dryer.
- When away from your dryer, M-C Trax Remote Dryer Monitoring System is available to view critical dryer data on your smart phone, home, or office computer.

Pinnacle Lite TruDry™ comes standard on all M-C Tower Series dryers. Pinnacle Lite AccuDry™ is an upgrade option.

M-C...A Smart Choice

Engineered for Quality Construction and Durability – Compare M-C to other dryer brands and see the difference! Invest in quality!

Local Factory-Trained Certified Dealers put a valuable resource at your doorstep to guide you to the right dryer model for your set up, answer your questions, perform dryer checks, and provide service and parts when you need them.

Zero Downtime – Manual back-up mode comes standard on all M-C grain dryers to ensure that you will always be able to run your grain dryer throughout the critical harvest season.

A Family Owned Company – We care about producing a quality product that fits the needs of the on-farm producer and commercial grain operations. We actively seek out user feedback and use real world testing. Without large corporate management levels, we can be very responsive to industry developments and implement updates quickly.

Years of Satisfied Customers – Many of our customers have used M-C grain dryers for 20+ years. As M-C continues to grow and develop state-of-the-art grain dryers, return customers continue to stand by and use only M-C noting quality, durability and ease of use. Check out our website for detailed customer feedback.



Monitor Critical Dryer Data

Made Easy
M-C Trax setup does not require any network configuration or software. The only requirement is that a wired internet connection is available at dryer.

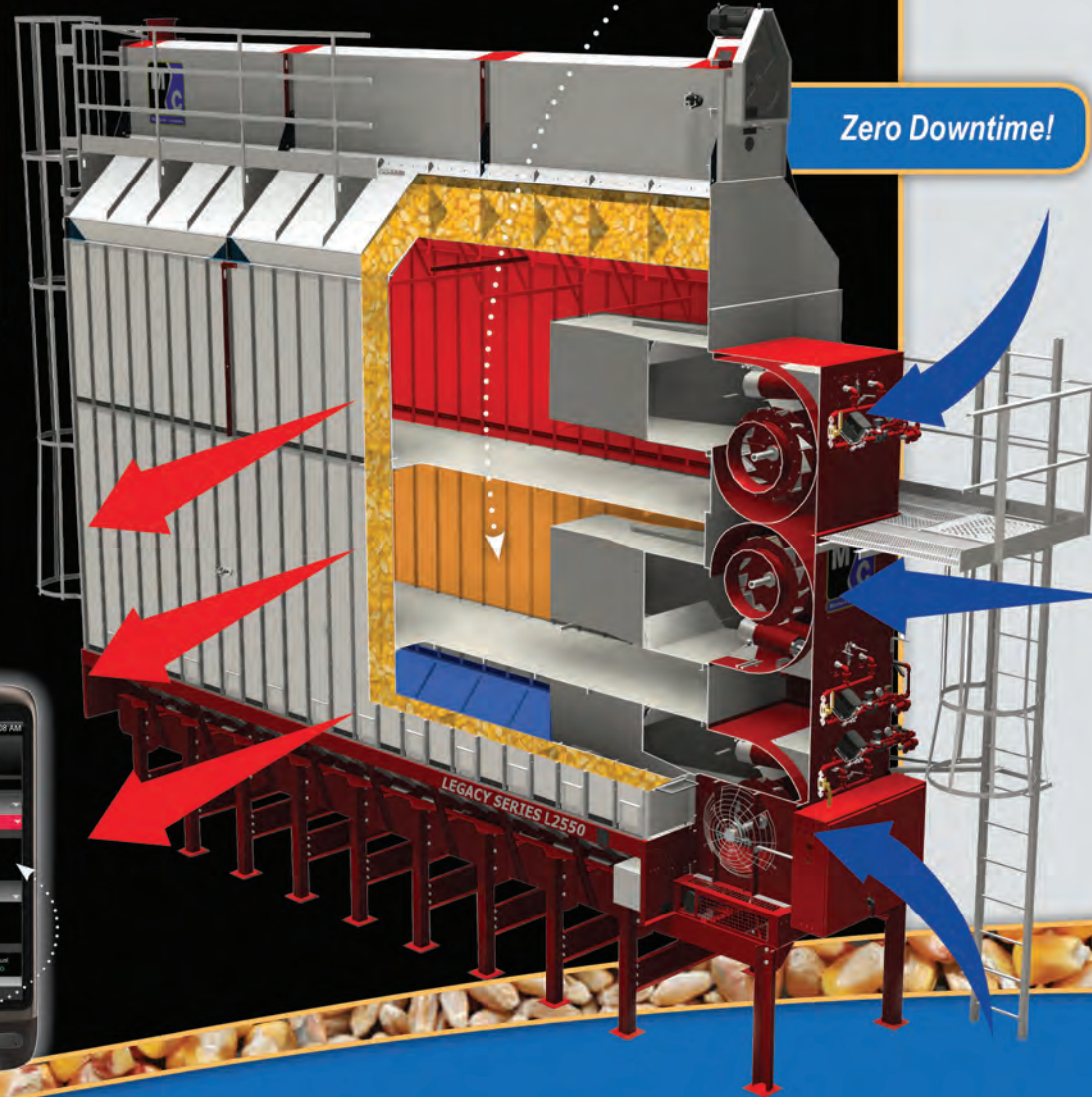


Multiple Zone Drying

As a central part of your grain handling and management system, an M-C Legacy Series dryer with multiple heat zones delivers increased flexibility, fuel efficiency and higher quality grain. With multiple zone drying, the highest temperatures are applied to the wettest grain as it enters the drying columns. Gradual reductions in temperatures completes the drying process, improves grain quality and saves energy.



Zero Downtime!



Features

Large, totally enclosed galvanized wet grain hopper keeps the drying columns full and requires fewer filling cycles. Hopper walkway is standard.

16" thick perforated peak section feeds grain columns smoothly and evenly with loosely packed, pre-heated grain for maximum efficiency.

12" grain columns eliminate large moisture differences between inside and outside of columns. One way airflow heats from the center out, creating more uniform dried grain.

Dryer screens available in galvanized, aluminum or stainless.

Aluminum sloped screens are standard on outside upper and lower screens.

Upper Service Platforms are standard on L2550 and larger models.

Double Inlet, 1,750 RPM Centrifugal Fan moves air quietly and efficiently.

Four Averaging RTD Sensors with signal enhanced transmission ensure accurate grain sensing and automatic discharge control.

Adjustable Venturi Gas Burners provide maximum combustion at all operating temperatures.

Gas Manifold with microprocessor controlled electronic gas proportional valve allows complete control of plenum temperature for all grains to be dried. Regardless of outside temperature changes, a constant plenum temperature is automatically maintained. Digital readout on microprocessor displays plenum temperature and set point during dryer operation.

NEMA IV High Voltage Cabinet with main disconnect protects motor starters, thermal overloads and electrical components from weather and dirt.

Full Length Metering Rolls with variable frequency driven speed control regulate the flow of grain out of the dryer.

Dryer Moisture Systems® reliable discharge moisture sensor is standard.

10" U-Trough Unload Auger equipped with quick release, hinged unload augers clean-out pans. Auger is supported every 8' by wood block hanger bearings.

Heavy Welded Steel Base provides strength and support for future expansion.

Read what customers are saying

"I have had M-C dryers all my life and they have been an excellent dryer for me."

– Thomas K., WI

"I was very impressed with the excellent service provided by the M-C Company and their dealer."

– Jim M., Indiana

"The first thing is simplicity, followed by efficiency, then a well built structure that will last for many years, back that with M-C's history of grain dryers - you can't go wrong."

– Mike K., Iowa