



Mixed-Flow Grain Dryer



- **Low Maintenance Cleaning**
- **Energy Efficient Vacuum Cooling**
- **Simple Single-Conveyor Unloading**
- **QuadraTouch Pro™ Control System**



Mixed-Flow

THE HIGHEST STANDARDS FOR



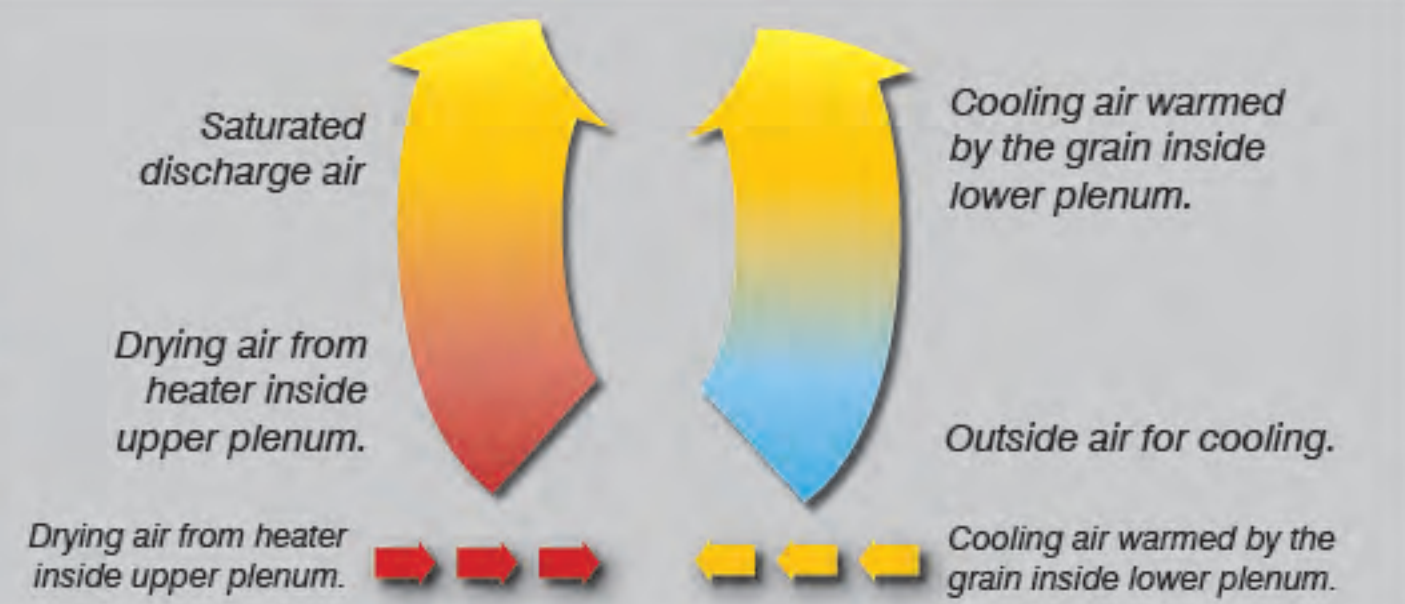
VACUUM-COOLING

SUKUP EXCLUSIVE

Drying occurs in the top tiers of Sukup Mixed-Flow Dryers. Vacuum-cooling is accomplished in the bottom screened sections. Vacuum-cooling recovers heat during the cooling process, so Sukup Mixed-Flow Dryers are more fuel-efficient than traditional pressure cool dryers.

Sukup Manufacturing is the only company in the industry using this method in Mixed-Flow Dryers.

NOTE: Because tiers are used for drying and screens are used for cooling, drying capacity of a 6-tier Sukup Mixed Flow Dryer is comparable to competitors' 8-tier models.



Sukup Mixed-Flow Dryer

SCREEN CLEANING

A THING OF THE PAST

With the large, triangle ducts along the sides of the Mixed-Flow Dryers, saturated air flows through with ease without plugging up with fines and bee wings. This eliminates any losses in capacity or efficiency due to debris build-up on conventional screen dryers.



Screen Dryer



ow Grain Dryers

OR A HIGH QUALITY PRODUCT

SINGLE CONVEYOR UNLOADING SYSTEM

SUKUP EXCLUSIVE

The patent pending design of Sukup Mixed-Flow Dryers allows for a single conveyor unloading system. Competing units require two or three conveyors, making the Sukup unloading system much simpler.

Auger or Drag-Chain conveyors available.

Drag-Chain conveyors use our **Static Moisture Sampler** that catches a sample of discharged grain, tests the moisture, and releases it, making it more accurate than testing moving grain.



ABOVE:
Static Moisture Sampler

Auger Unloading Conveyor



RIGHT:
Drag-Chain Unloading Conveyor



QUADRATOUCH PRO™

UNMATCHED PERFORMANCE

The QuadraTouch Pro™ control system is featured on all Sukup Dryers and was designed to be easy to use while eliminating around-the-clock monitoring and increasing productivity and efficiency.

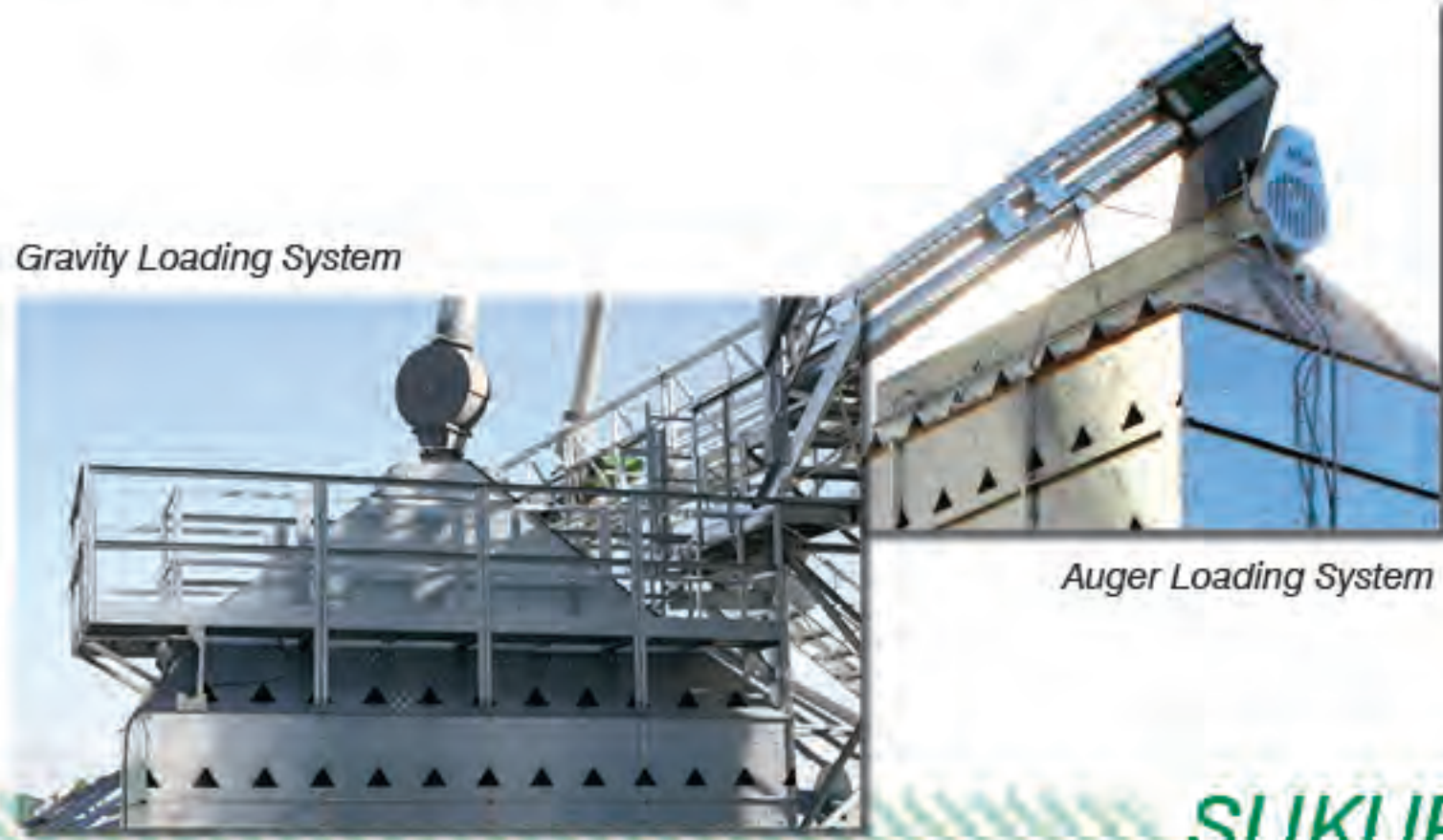
- Simple menus guide you through dryer functions for easy start-up and operation.
- PLC-based system is built to withstand harsh environments and has superior electrical noise protection, eliminating nuisance trips and providing a dependable system.
- Windows operating system supports troubleshooting PDF's and videos.
- **S.M.A.R.T. (Simultaneous Monitoring And Reaction Technology) Loop** uses included incoming and outgoing moisture sensors with the advanced algorithm programming to increase dryer efficiency, reduce large swings in temperature and discharge moisture, and help the dryer run more efficiently.
- Optional app available for iPhone or Android allows you to monitor and control your Sukup Dryer from a smart phone, tablet or PC.



ADDITIONAL FEATURES

■ Loading Systems

Auger or Gravity loading systems are available. Service platform is standard on both options.



■ Lower airflow per bushel

Sukup Mixed-Flow Dryers use approximately half the airflow per bushel and hold almost twice as many bushels than traditional cross-flow dryers. This results in improved grain quality and fuel efficiency.

■ Even heat throughout column

■ Efficient and gentle on grain



SUKUP MIXED FLOW DRYER SPECIFICATIONS

	Model	# Tiers Mixed Flow	Height* Level Auger	Height* Gravity Fill	Heating Vol. (Bu)	Total Holding (Bu)	Max Burner Output*** (MMBtu)	Avg Burner Output*** (MMBtu)	Lower Fan	Upper Fan	Est. Cap** 20%-15%	Est. Cap** 25%-15%	Transport Loads
16' Dryers	TM1606 [†]	6	27' 9"	30'	584	916	5	4	30 HP	None	709	367	2
	TM1608 [†]	8	33' 9"	36'	778	1170	7	5	40 HP	None	945	489	2
	TM1609 [†]	9	35' 9"	38'	875	1267	8	6	50 HP	None	1063	551	3
	TM1610 [†]	10	37' 9"	40'	973	1365	9	7	30 HP	(1)15 HP	1182	612	3
	TM1612 [†]	12	43' 9"	46'	1167	1619	11	8	40 HP	(1)15 HP	1418	734	3
	TM1613 [†]	13	45' 9"	48'	1264	1716	11	9	50 HP	(1)15 HP	1536	795	3
	TM1614	14	47' 9"	50'	1362	1813	12	9	30 HP	(2)15 HP	1654	856	3
24' Dryers	TM2405 [†]	5	25' 9"	31'	729	1235	7	5	40 HP	None	886	459	3
	TM2406 [†]	6	27' 9"	33'	875	1381	8	6	50 HP	None	1063	551	3
	TM2409 [†]	9	35' 9"	41'	1313	1908	12	9	40 HP	(1)20 HP	1595	826	4
	TM2410 [†]	10	37' 9"	43'	1459	2054	13	10	50 HP	(1)20 HP	1772	918	4
	TM2413	13	45' 9"	51'	1896	2581	17	13	40 HP	(2)20 HP	2304	1193	5
	TM2414 [†]	14	47' 9"	53'	2042	2727	18	14	50 HP	(2)20 HP	2481	1285	5
32' Dryers	TM3206 [†]	6	27' 9"	36'	1167	1846	11	8	(2)30 HP	None	1418	734	3
	TM3208 [†]	8	33' 9"	42'	1556	2354	14	11	(2)40 HP	None	1891	979	4
	TM3209 [†]	9	35' 9"	44'	1751	2549	16	12	(2)50 HP	None	2127	1101	4
	TM3210 [†]	10	37' 9"	46'	1945	2743	18	13	(2)30 HP	(1)30 HP	2363	1223	4
	TM3212 [†]	12	43' 9"	52'	2334	3251	21	16	(2)40 HP	(1)30 HP	2836	1468	5
	TM3213 [†]	13	45' 9"	54'	2529	3446	23	17	(2)50 HP	(1)30 HP	3072	1590	5
	TM3214	14	47' 9"	56'	2723	3640	24	19	(2)30 HP	(2)30 HP	3309	1713	5

*Height is frame to fill, legs not included. 2', 3', 4', or 5' legs available. **Capacities are wet holding bushels based on computer estimates, drying principles and field results drying US #2 yellow corn. Variations may occur due to grain kernel size, cleanliness, variety, maturity levels, weather conditions, growing season, etc. ***Max burner output is based on airflow at 42 cfm/bu and a 200°F temperature rise. Average burner output is 150°F temperature rise. [†]Models available for expansion, specify at order.

NOTE: Sukup Manufacturing Co. provides the information contained within this brochure to assist you in choosing the optimal equipment for your situation. Many factors, such as grain variety, maturity levels, grain cleanliness, weather conditions and operation/management, can affect the performance of your dryer and results may vary. This information is calculated and is not a guarantee of product specifications or performance. Based on these factors, Sukup specifications should only be used as estimates, and not as a warranty, express or implied, of how a particular Sukup unit will perform under your operating conditions. Because we are continually advancing Sukup products, changes may occur that may not be reflected in the specifications.



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