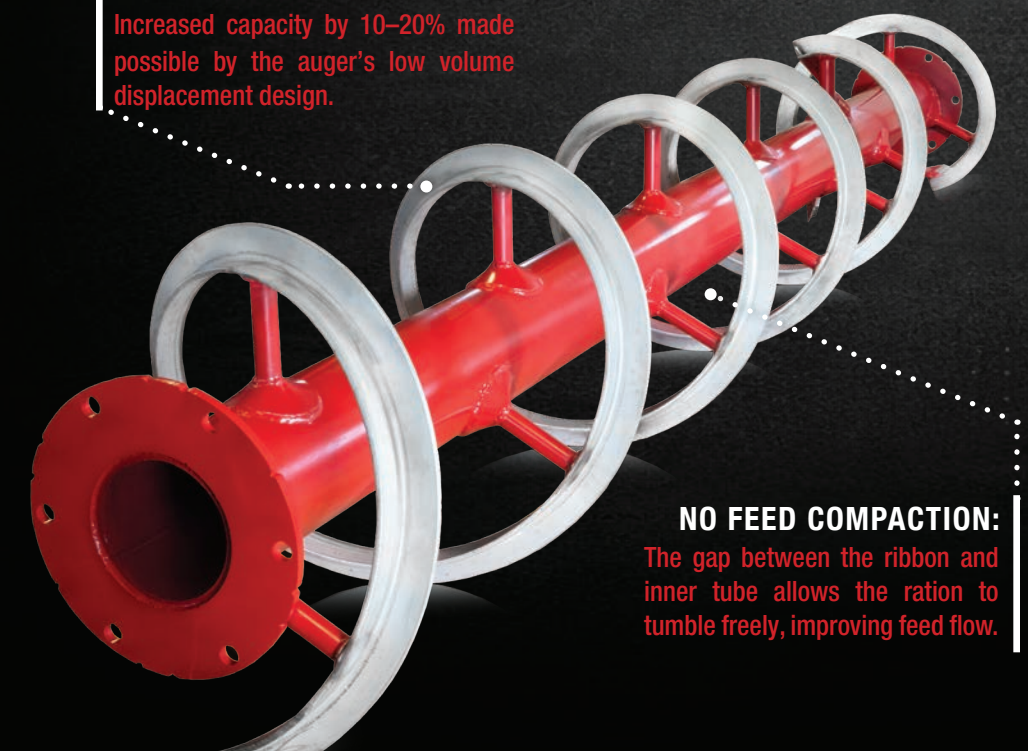
JAYLOR HORIZONTAL TMR MIXERS / 2000 SERIES

The Jaylor Ribbon Auger Advantage

Engineered for high productivity and to deliver an optimal mix in less time, load after load

RIBBON AUGER DESIGN:
Increased capacity by 10–20% made possible by the auger's low volume displacement design.



NO FEED COMPACTION:
The gap between the ribbon and inner tube allows the ration to tumble freely, improving feed flow.

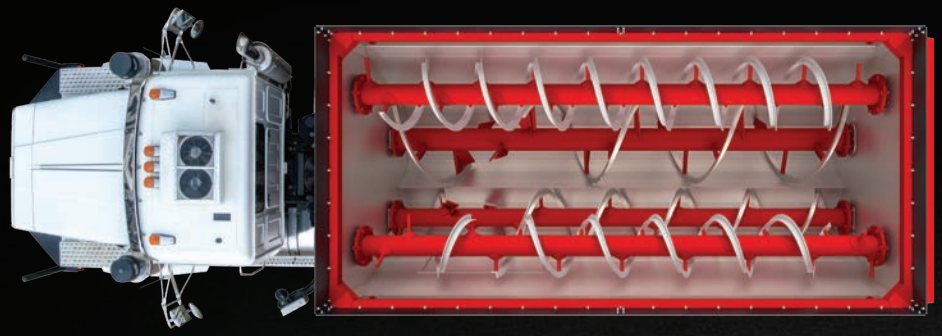
Jaylor's patented Horizontal Mixers with Ribbon Augers are designed to mix faster and deliver a uniform ration while maintaining flake integrity and eliminating feed compaction during mixing. By allowing feed to circulate and tumble between the ribbons and the inner auger tube, ingredients move freely through the mix chamber instead of being forced along the auger flights.

With a Jaylor there's no sitting in the truck watching the clock, waiting for the mix to be completed before heading to the bunk.

The result is a faster, more consistent mix without feed degradation or the excessive fuel consumption and component strain caused by compaction. Designed to deliver consistent intake, predictable performance, and more efficient feeding.

Because the ration planned means very little if it's not the ration delivered in the bunk.

Built to Run at Struck Capacity Without Compromising Mix Quality

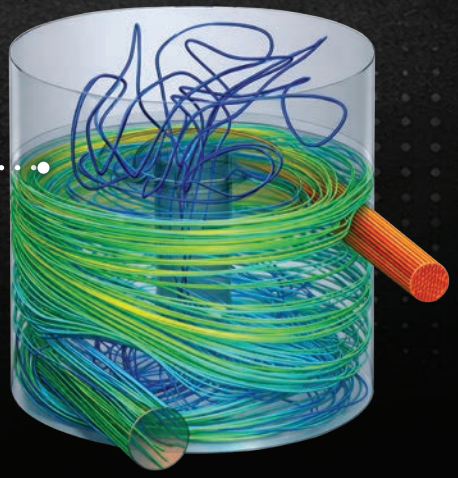


Jaylor's patented ribbon auger system maintains proper feed flow even at full loads, allowing the mixer to operate at struck capacity. There's no need to reduce loads or add extra time to the mix cycle to ensure an optimal mix.

Scan to watch a mix in action:

www.Jaylor.com/2000-Series-Mix

Patented High-Efficiency Cyclone Oil Reservoir



Over 1,900 lbs Lighter to Deliver Higher Payloads

Jaylor's Horizontal Mixers are engineered to minimize machine weight and maximize usable capacity, to deliver higher payloads than legacy mixers. The cyclone hydraulic reservoir reduces weight by ~600 lbs, using a patented, high-efficiency design that delivers full performance with drastically reduced oil volume. Full stainless steel sidewalls reduce weight by another ~1,300 lbs, and provide long-term resistance to corrosion and structural wear.

OrbitEvo™ Intelligent Control System

CONTROLS
VARIABLE & AUTOMATED

- VARIABLE SPEED AUGER CONTROL (+ CLEAN-OUT MODE)
- OPERATOR PRESENCE SAFETY CONTROL
- AUTO-MIX PROGRAM (COMING SOON)
- AUTO-REVERSING COOLING FANS
- CHUTE POSITION CONTROL
- GATE (DOOR) CONTROL (OPEN, CLOSE, AUTO-CLOSE)
- EMERGENCY SAFETY SYSTEM SHUTDOWN
- MULTI-LANGUAGE DISPLAY SETTINGS (COMING SOON)

Simple, intuitive controls deliver consistent results from the first load, even with new or rotating operators.

MONITORS
REAL-TIME SYSTEM STATUS

- PUMP & AUGER RPM
- TOTAL AUGER REVOLUTIONS
- TOTAL MIXING HOURS (COMING SOON)
- TOTAL PUMP HOURS
- HYDRAULIC PRESSURES (SYSTEM, CHARGE, AUX.)
- COMPONENT TEMPERATURES (HYDRAULIC, OIL, GEARBOX)
- AUXILIARY FILTER STATUS
- OIL LEVEL WARNING

Simple to Use, Advanced Mixer Control System

Straightforward controls deliver precise auger speed control and instant load response

Jaylor's OrbitEvo™ Intelligent Control System continuously manages auger speed independent of ground speed and engine RPM, removing the need for constant operator input and maintaining full performance at all times, even during unloading.

OrbitEvo™ uses a single integrated system with variable-displacement pump and motor to control auger speed independently from engine RPM. The system reacts instantly to load changes, faster than manual input ever could.

The Jaylor Advantage:

- Simple, operator-friendly control without sacrificing precision
- Maintains feedout accuracy even with new or rotating operators
- Smooth, consistent auger speed while driving or unloading
- Less stress on the engine, drivetrain and hydrostatic system

Put an End to Second Passes at the Bunk

Jaylor horizontal mixers deliver controlled, accurate feedout in a single forward pass, eliminating the wasted time, fuel, and disruption caused by backing up.

- ☑ Wide, high-capacity discharge door for even feedout in a single forward pass
- ☑ OrbitEvo™ joystick control for precise feedout speed without low gear revving
- ☑ Accurate system readouts for consistent, controlled delivery
- ☑ Magnetic discharge chute pivots freely on impact to help prevent damage at the bunk.

HIGH-CAPACITY GATE (DOOR)

Paired with a wider chute, the wide high-capacity gate allows feed to be delivered over a wider swathe which helps balance feedout, minimizing any ‘pulsing’ effect and ensuring a quick one pass feedout.

GRAVITY DISCHARGE CHUTE

The highly durable gravity discharge chute features large magnets to protect cattle from metal fragments and is mounted on bearings, to ensure smooth and quiet operation.

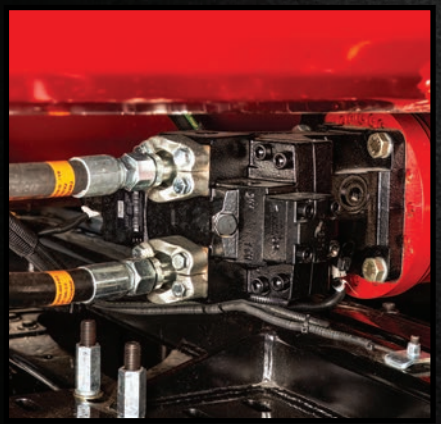
OIL BATH AUGER DRIVE

The extra heavy duty drive chains and sprockets in the oil bath auger drive deliver rugged reliability and long component life. Single latch rear doors provide easy access for system inspection and maintenance.

SOLID HYDRAULIC LINES

Solid hydraulic lines prevent pressure spikes for increased hydrostat performance, and reduced wear on pump components. This durable and robust design has no abrasion points for excellent longevity.

HYDROSTATIC MOTOR



High-efficiency hydrostatic motor with variable displacement control delivers high power and torque for optimum performance at lower engine speeds for smooth mixing and feed-out of all rations.

CENTRAL GREASE PORTS

To simplify daily maintenance of all bearings (front and rear), zerks are routed to a central point for easy access, to ensure smooth operation and long bearing life.

VIEWING LADDER

The viewing ladder can be mounted on either the driver or passenger side for easy access to view inside the mix chamber, please specify at time of ordering.

HYDRAULIC OIL COOLER

Oil cooler automatically adjusts fan speed based on temperature, and has auto clean-out function that reverses the fan to clean out any debris. Multiple mounting options based on operator preference.

	H2650	H2850	H2950
CAPACITY*	700ft³ | 19.8m³	850ft³ | 24.1m³	950ft³ | 26.9m³
RATION CAPACITY	21500lbs | 9700kg	26000lbs | 11800kg	30000lbs | 13500kg
OVERALL WEIGHT WITHOUT TRUCK	15400lbs | 6990kg	18000lbs | 8160kg	17800lbs | 8070kg
OVERALL HEIGHT WITHOUT TRUCK	92in | 234cm	98in | 249cm	103in | 262cm
OVERALL LENGTH WITHOUT TRUCK	232in | 590cm	256in | 650cm	256in | 650cm
OVERALL WIDTH WITHOUT TRUCK	102in | 260cm	102in | 259cm	108in | 274cm
HEIGHT ON TYPICAL TRUCK	131in | 332cm	137in | 348cm	142in | 360cm
LENGTH ON TYPICAL TRUCK	364in | 925cm	388cm | 985cm	388in | 986cm
RECOMMENDED TRUCK ENGINE	260 HP	300 HP	360 HP
VARIABLE AUGER SPEED	4-26 RPM	4-26 RPM	4-26 RPM
AUGER DRIVE SYSTEM	HYDROSTATIC	HYDROSTATIC	HYDROSTATIC
LOWER AUGER MATERIAL	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL
LOWER AUGER THICKNESS	3/8in | 9.5mm	3/8in | 9.5mm	3/8in | 9.5mm
UPPER AUGER MATERIAL	MILD STEEL	MILD STEEL	MILD STEEL
UPPER AUGER THICKNESS	3/8in | 9.5mm	3/8in | 9.5mm	3/8in | 9.5mm
DISCHARGE HEIGHT ON TYPICAL TRUCK	51in | 130cm	51in | 130cm	51in | 130cm
DOOR OPENING WIDTH	53in | 135cm	53in | 135cm	53in | 135cm
FLOOR THICKNESS	1/4in | 6mm	1/4in | 6mm	1/4in | 6mm
DRUM WALL THICKNESS	1/4in | 6mm	1/4in | 6mm	1/4in | 6mm
REAR AXLE REQUIREMENT	32000lbs | 14500kg	40000lbs | 18100kg	44000lbs | 20000kg
FRONT AXLE REQUIREMENT	11000lbs | 5000kg	12500lbs | 5700kg	14000lbs | 6400kg

*Functional capacity noted with included standard extensions.

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