

E2850

REMIXING TRANSFER VEHICLE



ENGINEERED INNOVATION



Leading with Innovation

Weiler innovations have transformed the material transfer vehicle market since their introduction and continue to lead the industry with new features designed to increase productivity while reducing operating costs. The E2850 builds upon a proven platform to ensure optimal performance, reliability, road smoothness and cost of ownership.

1

MINIMIZE SEGREGATION.

Triple-pitch, cast remix augers, located at the base of the 25-ton (22.7 mt) storage hopper, reduce thermal and particulate segregation for consistent mix delivery to the paver.

2

VARIABLE SPEED.

The variable speed discharge conveyor automatically adjusts with the speed of the storage elevator, which reduces chain wear and maintenance costs. Material quality also sees a significant improvement as a larger volume of material is carried at a lower RPM, considerably reducing segregation.





3

HEAVY DUTY AUGERS.

22" (56 cm) heavy-duty, cast augers in the dump hopper feature a thick/thin design and provide extra material in higher wear areas.

4

HYDRAULIC BAFFLE.

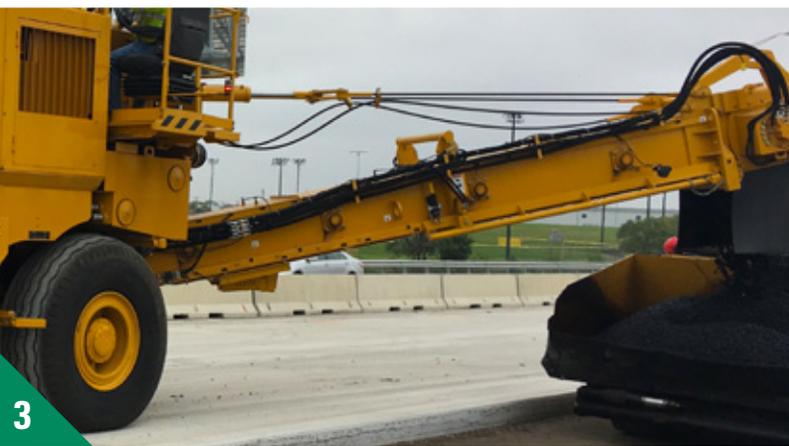
The hydraulic baffle controls the flow of material into the elevator for the most efficient unloading of trucks. Decals indicate optimal operating position.



Superior Material Handling

Keep the paving train moving. The quick transfer of material from trucks to the paver is key to non-contact, non-stop paving. Weiler's innovative features help ensure smooth truck exchanges to keep the operation moving and hit smoothness bonuses.





1 SMOOTH TRUCK EXCHANGES.

Keep the paving train running smoothly with the hydraulically extendable, oscillating push roller that matches varying truck configurations. The integrated scrapers and easy-to-remove rollers simplify maintenance.

3 OFFSET PAVING.

The 600 tph capacity discharge conveyor swings out 10'6" (3.23 m) to either side of the machine for offset paving. The ability for the conveyor to lift the paver hopper insert eliminates the need for additional equipment on the jobsite.

2 MAXIMIZE WEIGHT DISTRIBUTION

The 18" (203 mm) machined caster wheels are designed for the application and maximize weight distribution. An integrated scraper helps keep the caster clean and serviceable bearings extend the life of the component.

4 WINDROW HEAD ATTACHMENT.

The optional windrow head attachment features a pressure adjustable, floating elevator, windrow shaper and adjustable, break-away scraper. The dump head to windrow conversion can be completed in approximately 4 hours.



Control Your Cost of Operation

Reduce maintenance costs. In an industry where contractors can spend tens of thousands of dollars on machine maintenance per year, controlling the cost of operation can make the difference in your bottom line. At Weiler, we take the call to control cost of operation seriously, with the goal of extending machine life through innovative design and the use of durable, high-quality components in our manufacturing process.

1

SPLIT SHAFT DESIGN.

Our split foot shaft design features separated center bearings for simplified service. Bearings have triple-seal protection, along with protected, remote grease lines to extend the life of the component.



2

QUALITY FIRST.

At Weiler, we understand our machines are the sum of their parts. For example, our solid, one-piece machined head shafts undergo extensive machining in-house which reduces fatigue failures found with welded joints.



3

AUTOMATIC CHAIN TENSIONING.

The automatic hydraulic chain tensioner sets proper chain tension every 40 hours. Proper and even chain tension extends the life of wear components and the automatic feature makes it one less maintenance point the crew has to perform themselves.



4

MINIMIZE COMPONENTS.

High-torque, direct-drive motors power the elevator and conveyors for maximum hydraulic efficiency while eliminating high-wear planetary gear boxes. A loop flush return system provides thermal relief and extends the life of the motor.



5

CHROMIUM CARBIDE.

An abrasion-resistant, chromium carbide wear plate is standard below the conveyor foot shaft. Chromium carbide floor plates are optional on the conveyor or both the conveyor and elevator for extended wear life.



Making the Most of Your Machine Operation

Operator comfort is key to a productive day on the job. Easy-to-reach controls, shifting platform and optional rear steer give the operator complete control of the E2850 while providing excellent visibility. Innovative Weiler features enhance operation and crew productivity.

1

EXCELLENT VISIBILITY.

The hydraulically extendable operator's platform shifts 12" (305 mm) in either direction, giving the operator a better line of sight to communicate with ground, paver and trucking personnel.

4

MANAGE YOUR MATERIAL.

The optional storage hopper management system indicates the level of material in the storage hopper. Indicator lights, located on both sides of the operator platform, inform everyone on the jobsite of the amount of material in the E2850 while the operator has a percentage readout on the digital display.

2

WITHIN EASY REACH.

All controls are located on a single panel within easy reach of the operator, while a digital controller provides system calibrations and diagnostic capabilities.

5

DISTANCE TO PAVER

The optional distance to paver features a radar that keeps the E2850 and paver at a set distance and can be engaged from either a stopped or moving position.

3

ENHANCED MANEUVERABILITY.

Facing a narrow, tight jobsite? The E2850 features optional rear steer which can reduce the inside turning radius to 14' (4.3 m). This feature can be utilized for crab or coordinated steering, that returns to center upon demand.

6

SEE ALL AROUND.

The optional camera system features three cameras, one solid mounted above the dump hopper and two magnetic cameras located near the operator's platform, and a full color 7" (178 mm) display to allow the operator to see on all sides of the machine with multiple viewing options.



Keeping It Clean

Along with high quality components and design, keeping key daily, weekly and monthly maintenance schedules help extend machine life and adds residual value to your initial investment. Making it easier for your road crew to clean and monitor wear on the transfer vehicle pays dividends in the long run. Weiler has made a commitment to simplifying daily cleanout by embracing a design philosophy with a focus on accessibility.

1

AUGER ACCESS.

The full-width hydraulic clean-out door allows full access to the dump hopper, so crews can cleanout the excess material that creates build-up, especially on the corner augers.

2

SAVE HOURS.

Full-width drop down floors simplify cleanout and make it easier to perform chain inspection, saving your crew hours of time.

3

HOPPER ACCESS.

Four clam shell doors allow ground level access to hopper and remix augers for simplified service and clean-out. Daily clean-out of augers is critical to keeping your transfer vehicle well maintained and performing productively.

4

CONVEYOR CLEANOUT.

A hydraulic, full-width drop down floor simplifies cleanout and chain inspection for this regular inspection point.

5

ENGINE ACCESS.

The large hood opens and closes with pressurized supports, while two large service doors provide access to the hydraulic pumps and engine components.

6

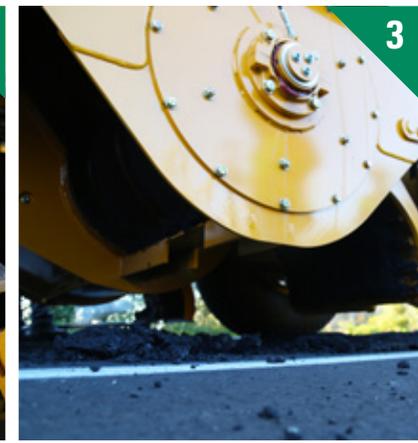
TIRE SPRAY DOWN.

The optional tire spray down system features nozzles for each tire and castor wheel. Spray frequency is programmable and controlled by the system, providing hands free operation for the entire day.

7

INTERNAL SPRAY DOWN.

An optional internal spray down system features nozzles located at the augers, chains, sprockets and remix chamber for improved coverage in hard to reach locations.



WEIGHT	76,200 lb	34 563 kg
STORAGE CAPACITY	25 tons	22.7 mt
TRANSPORT HEIGHT	11' 4"	3454 mm
TRANSPORT LENGTH	55' 2"	16 815 mm
TRANSPORT WIDTH	9' 11"	3023 mm
WORKING HEIGHT	16'	4877 mm
ENGINE	Cat® C9 Tier 3	
HORSEPOWER	300 hp	223 kW
TRANSPORT SPEED (MAX)	10 mph	16.1 km/hr
WORKING SPEED	194 fpm	59 mpm
CONVEYOR CAPACITY	600 tph	544 mtph
CONVEYOR SLAT WIDTH	30"	762 mm
ELEVATOR CAPACITY	1,000 tph	907 mtph
ELEVATOR SLAT WIDTH	58"	1473 mm
FUEL TANK CAPACITY	150 gal	568 L
HYDRAULIC TANK CAPACITY	100 gal	378 L
TIRES	High Flotation 21"-25" 28 ply	

OPTIONAL EQUIPMENT

- Rear steer
- Truck hitch
- Windrow head in addition to truck dump hopper
- AR400 1/4" (6.35 mm) storage hopper liner
- Chromium carbide floor plates
- Separate 60 gal (227 L) tank for tire spray system
- Chain and sprocket internal spray down system
- Tire spray system
- Work lights (2 head, 6 work, 2 ground and strobe)
- LED blade lights
- Truck signal lights
- 12 kW generator
- Distance to paver control
- Storage hopper management system
- Camera system w/ 7" (178 mm) color display & 3 cameras
- Automatic greaser - 45 points
- 13 ton (11.8 mt) hopper insert
- 5 ton (4.5 mt) or 8 ton (7.2 mt) hopper insert extension



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