



WORK SMART™

FREIGHTLINER TRUCKS CONSTRUCTION



YOU CAN JUST WORK HARD. OR YOU CAN WORK SMART.



114SD Set-forward Axle

Construction requires hard work. That's a given. So whatever you have in your toolbox better be tough enough to handle the job, every day without fail. But in today's business environment, we expect more from our tools. We want smart design, creative innovation and a level of efficiency that truly impacts the bottom line. Because, in the construction business, there are two words to remember: *construction* and *business*.

At Freightliner, we build trucks that perform well on the job and enhance the financial performance of your business. We're proud to offer you an impressive line of vehicles, including the dependable M2 106, 108SD, 114SD, and 122SD.

Our trucks are designed for a variety of construction site applications, such as dumps, mixers, roll-offs and cranes. They're available with plenty of options that make tough trucks even tougher, like a choice of frame rails and reinforcements to optimize strength and increase load weight capacity; front and rear engine power take-offs; and body-specific chassis layouts so Truck Equipment Manufacturers (TEMs) have the flexibility they need. Choose from an array of rear axle configurations and suspensions, even tag and pusher axles with lift-able and steerable options. These rear axle suspensions provide maximum traction in high articulation environments. And axles are rated up to 22,000 lbs. Put simply, you can depend on these trucks to work hard and work smart.

M2 106, 108SD and 114SD Cab

CONSTRUCTED FOR CONSTRUCTION.

M2 106, 108SD and 114SD

A lot of smart engineering goes into the structural elements of a Freightliner construction vehicle. Our cabs are lightweight, yet extremely tough. Corrosion-resistant aluminum is reinforced with e-coated steel and assembled to precise manufacturing tolerances with Henrob rivets and welded construction. This process produces a durable and safe cab that meets stringent A-pillar impact, rollover and back wall impact tests. Plus, the vocational chassis includes a robust backbone with a complete offering of single- and double-channel frame rails. The result is a tensile strength of up to 120,000 psi and an RBM ratio up to 4.4 million inch-pounds per rail for the M2 106, 108SD and 114SD.

- Corrugated floor, roof and back-of-cab panels for added strength
- Meets Swedish A-pillar test standards and SAE J2422 roof strength requirements
- Available in day cab, extended cab or 4-door crew cab configurations
- 2,500 square-inch one-piece windshield for outstanding job site visibility
- Wide door openings with low step-in height for safe entry and exit
- Steel firewall for solid mounting of dash panel and driver controls

122SD

The 122SD frame has an RBM ratio up to 5 million inch-pounds per rail, so they can handle the abuse of a typical job site, no problem.

- A durable, proven, non-corrosive aluminum SD cab reinforced with e-coated steel
- Strong cab construction, Henrob rivets used throughout the cab, and coach joints at cab roof and sidewall connections
- State-of-the-art adhesives to bond the cab's substructure to distribute forces and decrease fatigue
- Bonded windshields increase rigidity and the two-piece design makes them easier to replace when damaged



Aluminum Structural Reinforcements

E-coated Steel

Corrosion-resistant Aluminum Panels

122SD Cab



Aluminum Structural Reinforcements

E-coated Steel

Corrosion-resistant Aluminum Panels



WE'VE ASSEMBLED A TOUGH CREW WITH A READY-TO-WORK ATTITUDE.



M2 106

SO MANY JOBS. ONE AMAZING TRUCK.

The Freightliner M2 106 is one of the most versatile trucks on the job site. This medium-duty vehicle comes standard with a powerful yet fuel-efficient Cummins ISB or optional ISL engine for increased efficiency through great fuel economy and easy maintenance. Driving in a challenging environment requires a truck that's agile and easy to maneuver, which is why the M2 was engineered with a turning radius that is one of the tightest in the industry. And its automatic transmission is easy on new and experienced drivers alike.

Because driver comfort is key for maximum driver performance, this truck features a spacious cab with low step-in height, an advanced heating and cooling system and a smooth, quiet ride. With a multiplex wiring system, clear frame rails and a variety of exhaust packages, you can get the configuration you need for the job at hand.

- **Ideal for stakebed and lube/service truck applications**
- **GVWR up to 56,000 pounds**
- **Horsepower from 200 – 350 hp**
- **Torque ratings up to 1000 lb-ft**



108SD

RUGGED AND VERSATILE WORK WELL TOGETHER.

The Freightliner 108SD set-back axle is all-out performance and reliability. With its steel-reinforced aluminum cab, 108-inch BBC, 42-inch set-back axle position and tilt hood with radiator-mounted stationary grille for bumper-mounted attachments, front frame extensions, front and rear engine power take-offs and body-specific chassis layout, this truck is an ideal construction vehicle. The 108SD is offered standard with the Cummins ISL or optional ISB engine for excellent fuel economy and easy maintenance. Up to 50-degree wheel cut means that you'll have the maneuverability you need, even on the toughest job sites. And, with our mid-chassis packaging, the 108SD is an easy upfit for truck equipment manufacturers.

- **Ideal for dump truck applications**
- **GVWR up to 79,000 pounds**
- **Horsepower from 200 – 380 hp**
- **Torque ratings up to 1250 lb-ft**





114SD

HANDLES DUMPING, MIXING AND HEAVY LIFTING.

The Freightliner 114SD features a 114-inch BBC and is available as a set-forward axle (SFA) or set-back axle (SBA) platform. It has a weight-optimized design to keep pace with your increasing demands and toughest challenges. The 114SD offers excellent visibility and a range of options for all regional configurations. Engines, axles and frames can easily be adapted to any job. The workhorse 114SD is available in the widest range of engine choices, including the Detroit™ DD13,® or Cummins ISL and ISL G. And, with our clear back-of-cab chassis, the 114SD is an easy upfit for equipment manufacturers, allowing greater flexibility. Legendary Freightliner quality, insightful industry-specific innovations and a comprehensive warranty all make the 114SD the perfect vehicle to meet your most severe duty needs.

- Ideal for mixer, quad dump and crane applications
- GVWR up to 60,000 pounds (single axle), 80,000 pounds (tandem axle) or 91,000 pounds (tridem axle)
- Horsepower from 260 – 470 hp
- Torque ratings up to 1650 lb-ft



122SD

THIS BEAUTY CAN TACKLE YOUR UGLIEST JOBS.

The Freightliner 122SD is engineered for Severe Duty. It's rugged and dependable, easy to customize, and comes equipped with the latest technology. This truck also sets the standard for durability, featuring an e-coated steel-reinforced aluminum cab, skid plate, chromed steel front grille and a single-piece fiberglass hood. West Coast mirrors enhance visibility and a wheel cut up to 50 degrees provides excellent maneuverability. The 122SD even offers an optional 1,700 square-inch radiator to cool engines up to 600 horsepower. So it's ready for your toughest jobs and the most brutal conditions. With the Freightliner 122SD, you have the ultimate work truck.

- Ideal for quad dump trucks, cranes and heavy haul tractor applications
- GVWR up to 92,000 pounds
- Horsepower from 350 – 600 hp
- Torque ratings up to 2050 lb-ft



CONFIGURED FOR COMFORT AND CONTROL.

Every aspect of a Freightliner cab was designed to make the driver's job easier, leading to increased productivity. For example, the strategically-designed wide cab provides room between the seats for easy installation of the control tower. To reduce fatigue, our cab features a low step-in height with slip-resistant dual steps, a wide door opening and strategically-placed exterior and interior grab handles. For safety, the cab's hood slopes downward for better line-of-sight, and a 2,500* square-inch windshield provides excellent visibility for spotting potential hazards. Freightliner construction vehicles offer a variety of cab configurations.

*M2 106, 108SD and 114SD

CAB CONFIGURATIONS AT-A-GLANCE

| | M2 106 | 108SD | 114SD | 122SD |
|-------------------------|------------------------|------------------------|----------------------------|---|
| GVWR | Up to 56,000 lbs. | Up to 79,000 lbs. | Up to 91,000 lbs. (tridem) | Up to 92,000 lbs. |
| Set-forward Axle | | | • | • |
| Set-back Axle | • | • | • | • |
| Day Cab | • | • | • | • |
| Extended Cab | • | • | • | |
| Crew Cab | • | • | Set-back axle only | |
| Sleeper | Extended cab with bunk | Extended cab with bunk | Extended cab with bunk | 34-70 inch mid-roof, mid-roof XT and raised-roof sleeper cabs |

M2 106, 108SD AND 114SD CAB CONFIGURATIONS



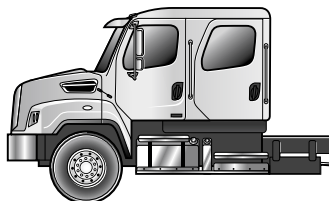
DAY CAB

- Full width bench seat
- Fixed or air suspension driver and passenger seats
- Passenger seats with storage or locking safe provisions



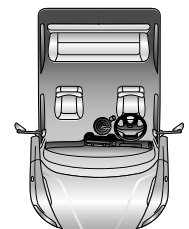
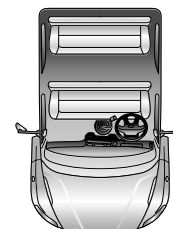
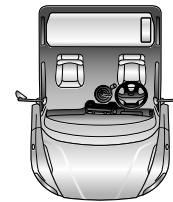
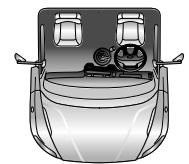
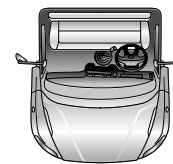
26" EXTENDED CAB

- 24" liftable bunk with storage
- Full-width rear bench seat or forward-facing rear jump seats
- Fixed or tip-out tinted side rear windows
- Cab privacy curtain



48" CREW CAB

- Rear bench or individual seats including air-suspended
- Electric rear door windows



TOUGH OUTSIDE. SMART INSIDE.



108SD and 114SD interior with standard wing dash (shown above)

When you step inside a Freightliner truck, you'll definitely understand what it means to Work Smart. The driver-friendly dash features controls and switches within easy reach of the driver. The analog gauges are backlit with LED lights for easy readability. Even the dash structure is designed with fewer sections, making it one of the quietest and most durable dashboards we've ever made.



Cabinet netting for additional 122SD interior room. Shown with optional gray interior

122SD CAB CONFIGURATIONS

AVAILABLE CAB CONFIGURATIONS:

- Day Cab
- 34" Mid-roof
- 48" Mid-roof
- 58" Mid-roof
- 70" Mid-roof
- 58" Mid-roof XT
- 70" Mid-roof XT
- 58" Raised Roof
- 70" Raised Roof



**SET-BACK
AXLE**



**SET-FORWARD
AXLE**

AVAILABLE AXLE CONFIGURATIONS:

- 122" BBC Set-forward Axle
- 122" BBC Set-back Axle



122SD dash and interior also available in gray

BETTER PERFORMANCE IS SMART BUSINESS.

POWER AND EFFICIENCY.

A broad range of engine and transmission choices, including automated manuals, allows you to select the optimum combination to match virtually any construction application. Because we're committed to helping you make the best overall decisions.

Freightliner Trucks has embraced proven SCR emissions technology. Based on environmental advantages and payback to owners in less maintenance, increased fuel economy, better reliability and more uptime, SCR has clearly been proven as a successful platform for EPA 2010 and beyond.

WE MADE THIS JOB EASY.

For starters, we offer several sizes of Diesel Exhaust Fluid (DEF) tanks, so you can incorporate filling into your standard maintenance intervals. Next, we integrated the DEF gauge into the diesel fuel gauge. The gauge indicates the level of DEF in the tank and has a series of alerts when the tank is running low. A driver who ignores their DEF low level warnings will see de-rates and restrictions on their vehicle, but will never be stranded.



Detroit DD13 Engine

Cummins ISL Engine

| | M2 106 | 108SD | 114SD | 122SD |
|--|--------|-------|-------|-------|
|--|--------|-------|-------|-------|

ENGINES

| | | | | |
|--|---|---|---|---|
| Cummins ISB* 200 - 325 hp / 520 - 750 lb-ft torque | • | • | | |
| Cummins ISL* 260 - 350 hp / 660 - 1000 lb-ft torque | • | | | |
| Cummins ISL* up to 380 hp / 1250 lb-ft torque | | • | • | |
| Cummins Westport ISL G (natural gas) up to 320 hp / 1000 lb-ft torque | | | • | |
| Detroit DD13® 350 - 450 hp / 1250 - 1650 lb-ft torque | | | | • |
| Detroit DD13® 350 - 470 hp / 1250 - 1650 lb-ft torque | | | • | |
| Detroit DD15® TC 455 - 505 hp / 1550 - 1750 lb-ft torque | | | | • |
| Detroit DD16® 475 - 600 hp / 1850 - 2050 lb-ft torque | | | | • |
| Cummins ISX15 400 - 600 hp / 1450 - 2050 lb-ft torque | | | | • |

* Higher ratings are available for approved applications

TRANSMISSIONS

| | | | | |
|--|---|---|---|---|
| Eaton Fuller Manual | • | • | • | • |
| Eaton Fuller Automated | • | | • | • |
| Allison Automatic w/ optional output retarder | • | • | • | • |

AXLES (UP TO)

| | | | | |
|--------------|-------------|-------------|-------------|-------------|
| Steer | 16,000 lbs. | 20,000 lbs. | 22,000 lbs. | 22,000 lbs. |
| Single Drive | 30,000 lbs. | 38,000 lbs. | 38,000 lbs. | 26,000 lbs. |
| Tandem Drive | 40,000 lbs. | 46,000 lbs. | 58,000 lbs. | 70,000 lbs. |
| Tridrive | | | 69,000 lbs. | 69,000 lbs. |

THE POWER OF GOING GREEN.

As demand for eco-friendly products and services continues to grow, the M2 106 Hybrid, as well as the 114SD Natural Gas are optimal for construction operations. Driving a hybrid or natural gas-fueled vehicle delivers both economic advantages today and environmental benefits for future generations. And natural gas is a domestic fuel source, reducing our dependence on foreign oil.

Thanks to government incentives, alternative-fueled vehicles can save you money even before they're on the job. Contact your local Freightliner dealer to find out which rebates and incentives are available to you in your area. It's just one more way we help you work smart.



TRUCKS BUILT FOR BUILDERS.

Truck Equipment Manufacturers (TEMs) love the efficient design of our trucks. Electrical, pneumatic and fuel lines have been neatly organized inside the left-hand rail for most applications. This relieves congestion at the back-of-cab, making access easier for body builders and service technicians.

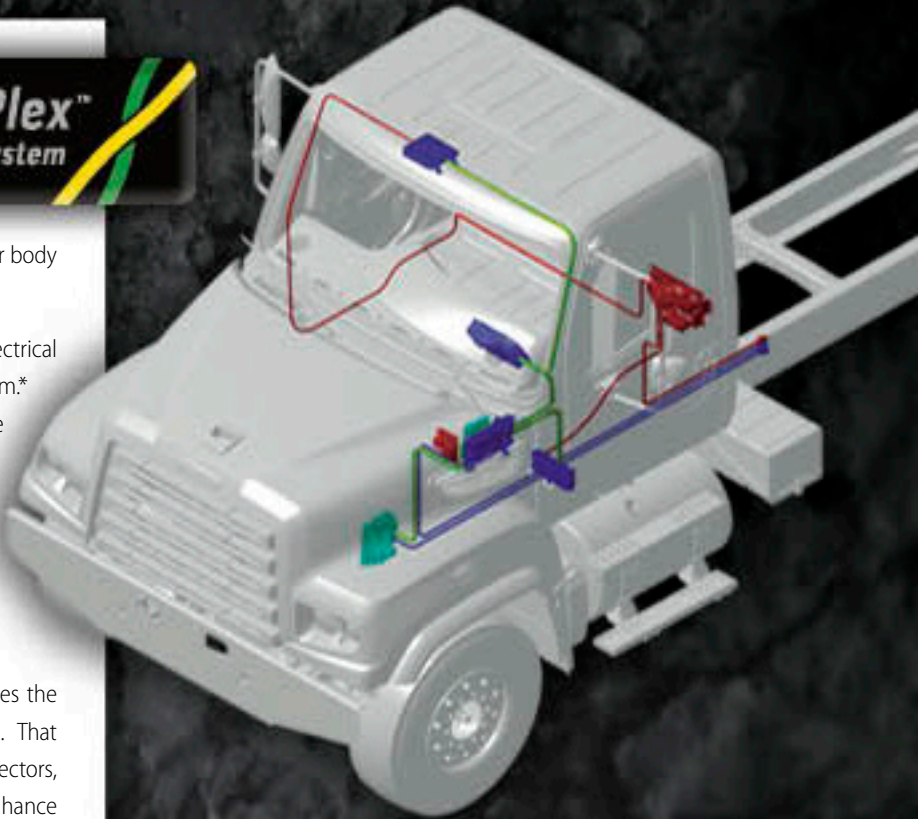


We've also spent a decade developing and refining multiplex electrical wiring. Our latest evolution is the SmartPlex™ Electrical System.* SmartPlex provides TEMs with the most efficient and reliable solution that will increase the ease of body integration and application programming, keeping customers on the road and working smarter.

PRIMARY BENEFITS OF THE SMARTPLEX ELECTRICAL SYSTEM

- **Improved Reliability** - The multiplex wiring system reduces the number of wires by more than 40 percent, from 650 to 350. That means 300 fewer possible failure points, as well as fewer connectors, relays and fuses. Advanced solid-state components further enhance the reliability of the multiplex system, as does the relocation of the Power Distribution Modules inside the cab for corrosion prevention.
- **Greater Flexibility** - Configuring a truck's wiring system is easier than ever. Simply install specific switches where they are most convenient, then use Freightliner's ServiceLink® to program them to do what you want them to do. If you want to move a switch from the dash to the overhead or vice versa, go ahead, there's no need to rewire or reprogram.
- **Easier Maintenance** - Onboard computers capture data, providing better diagnostic capability. If a problem occurs, the data is relayed to the dashboard alerting the operator. This data also can be accessed using the Freightliner ServiceLink software for diagnosis by a technician.

**SmartPlex is available on the M2 106, 108SD, and 114SD.*



DESIGNED FOR EASY BODY UPFIT.



Under-cab storage for up to three batteries allows for clear back-of-cab packaging in the M2 106, 108SD and 114SD. In-cab batteries available for 122SD day cabs.



1-Box™ exhaust aftertreatment system allows for clear back-of-cab packaging.

MAINTENANCE MADE EASY.

We've designed these vehicles to be easy to maintain, with quick access to critical maintenance points. The hood opens easily and features integrated splash shields that lift out of the way for better accessibility. Frequently-inspected components are strategically placed, allowing for faster repairs and adjustments. See-through fluid reservoirs reduce the time spent checking fluid levels, and a removable floor section allows access to the transmission without removing the floor covering.

The standard proprietary Donaldson PowerCore® air cleaner is designed to last longer between replacements, yet still traps 99.85 percent of airborne particles before they reach the engine. An optional pre-cleaner is available for the harshest environments.

There's a lube-free steering shaft, a self-adjusting hydraulic clutch and suspensions that require no maintenance or lubrication. The truck's multiplex electrical system* has about half the wires of a traditional electrical system, which reduces possible failure points and allows technicians to more quickly pinpoint electrical problems. With Virtual Technician on board 24/7 monitoring your truck's Detroit engine and automatically diagnosing engine fault codes, you're able to stay on the road longer, be more productive on the job and remain in control of your business.

**M2 106, 108SD and 114SD*



114SD Set-back Axle



114SD Set-back Axle



122SD Set-back Axle



114SD CNG



114SD Set-forward Axle



WORK SMART™

WE'VE GOT YOU COVERED.

UNMATCHED SERVICE AND SUPPORT.

With more than 300 Freightliner dealer locations across North America, you're never far from the convenient service and support you have come to expect from the industry leader. Our Elite Support program provides rapid diagnosis, responsive turnaround and quality, consistent communication, robust parts availability and superb customer service; all provided by a highly-trained staff. In addition, more than 200 Freightliner ServicePoint® facilities located at select TravelCenters of America and Petro Stopping Centers offer certified repair and warranty work. When you need a factory-certified technician, Detroit offers more than 800 locations in North America.

Freightliner also maintains strategically-located parts distribution centers throughout North America, ensuring fast parts delivery to keep customers up and running.

Freightliner's Customer Assistance Center provides customers a hotline that's available 24 hours a day, seven days a week. Customers may call the toll-free number (1-800-FTL-HELP) for technical support, to arrange roadside assistance or towing services, or to locate the nearest dealer or service center.

A SIMPLE PURCHASE PROCESS THAT'S SECOND TO NONE.

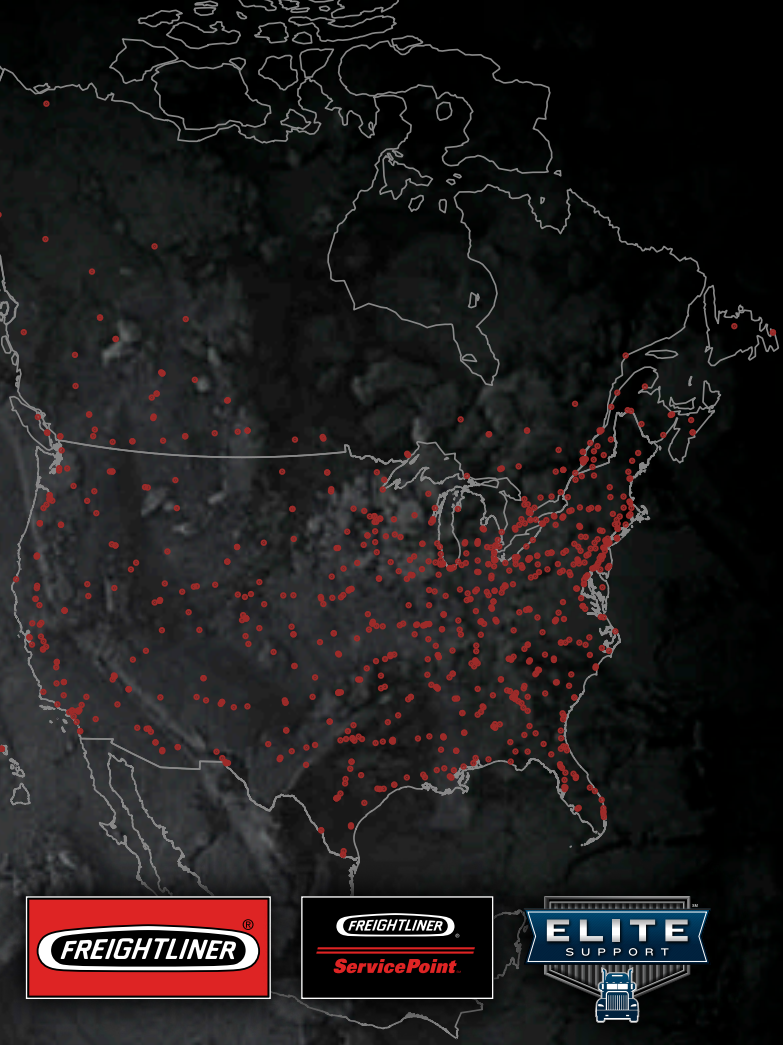
Purchasing a truck is one of the most important decisions you make. Freightliner makes the buying process easy, with highly-trained sales consultants and one of the largest dealer networks in the industry, so businesses don't have to look far for their next purchase. Count on Freightliner dealers for reliable product information, truck parts and service, and ongoing customer support.

FINANCING IS EASY.

Daimler Truck Financial (DTF) offers a variety of options, including loans and leases tailored to the trucking industry, that make financing go smoothly. DTF has been meeting the financing challenges of owner-operator and vocational customers for more than 30 years. It offers finance solutions including conventional retail financing at attractive and competitive rates, a variety of terms to match cash flow, and up to 100% financing for qualified customers.

Daimler Truck Financial

Financing that works for you.



COMPREHENSIVE WARRANTIES FOR ADDED PEACE OF MIND.

Freightliner stands behind its trucks every step of the way. We offer one of the most comprehensive warranties in the business, as well as a variety of extended warranties.

BETTER PARTS. GOOD PRICES.

Alliance Truck Parts offers a range of new and remanufactured maintenance, repair and replacement parts and accessories for virtually all types of heavy-duty trucks at an affordable price. Alliance Truck Parts are sold at Freightliner dealers throughout the U.S. and Canada.



FREIGHTLINERTRUCKS.COM/WORKSMART



WORK SMART™

Competitive financing available through Daimler Truck Financial. For the Freightliner Trucks dealer nearest you, call 1-800-FTL-HELP. www.freightlinertrucks.com. 10M, 10/13, FTL/MC-B-1287. Specifications are subject to change without notice. Freightliner Trucks is registered to ISO 9001:2008 and ISO 14001:2004. Copyright © 2013. Daimler Trucks North America LLC. All rights reserved. Freightliner Trucks is a division of Daimler Trucks North America LLC, a Daimler company.