



UD TRUCKS

# Construction



Going the Extra Mile



## Construction challenges.

Today's construction industry has its own set of unique challenges. Global urbanization, larger infrastructure projects and tough competition have increased pressure to deliver. At the same time there is a wider range of opportunities for construction companies.

Getting the job done is only part of it. It's achieving greater productivity, maximising uptime and increasing fuel efficiency that will put you one step ahead of the competition.



## Why UD Trucks for construction?

UD Trucks offer ultimate dependability for construction assignments – whether you're a driver, an owner, or both. New Quester with ESCOT is smart, robust and optimized for higher payload and even greater fuel efficiency. The Croner is flexible, time-saving and profitable.

Both trucks deliver value-added durability and reliability, more fuel in the tank after every assignment, and major payload possibilities to move your business forward. And with our extensive service offer, we've got you covered. Go the extra mile with UD Trucks.

# The tough two.

Solid, smart and future-designed. Meet UD Trucks' dependable duo for construction.



## New Quester with ESCOT

New Quester's GH11E engine and ESCOT means greater fuel efficiency and easier driving is added to the truck's already famed endurance. A versatile workhorse that provides maneuverability and ground clearance to handle the toughest terrain.

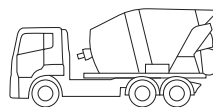


## Croner

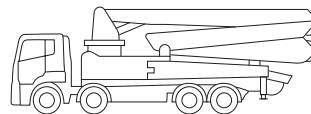
The Croner is a flexible, efficient complement to New Quester. Suited to more specific construction tasks, it is available in three GVW ranges and saves both time and fuel.

## Bodybuilding

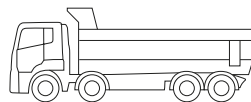
New Quester is designed to make superstructure installation easy. Comprehensive bodybuilder instructions and power take offs for specific applications make it ideal to be adapted for all assignments and road conditions.



Quester Mixer/Concrete



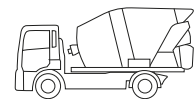
Quester Concrete pump



Quester Dump Truck/Tipper



Quester Tanker



Croner Mixer/Concrete



Croner Dump Truck/Tipper

# Break new ground.

Power. Durability. Operational efficiency. Make the most of New Quester and Croner. In heavy construction, 6×4 and 8×4 rigid configurations provide flexibility to match the truck to the job.

## Productivity

### Improved payload capacity

Both Croner and New Quester deliver huge payload possibilities. Optimized tare weight and driveline on New Quester have reduced the truck's weight by almost half a tonne. A variety of specifications on the Croner's wheelbase and axles have also maximized payload capacity for greater profitability.

### Productive on any terrain

UD construction trucks are designed for agility in tough conditions. A front steel bumper ensures high ground clearance and approach angle, while robust chassis and tough rear leaf suspension reduce stress from uneven road surfaces and also when carrying unevenly distributed loads.

### Easy start-stop operations

Allison automatic transmission is available on New Quester and, with its torque converter, is a perfect solution for operations that require frequent starts and stops. Crawler gears and wide ratio options on the Croner guarantee easy starting and controlled driving at any speed and in all conditions.

### PWR+ on ESCOT

New Quester features PWR+ mode on ESCOT. This makes construction assignments more efficient, with increased power and high running performance in tough conditions. It features a rock loose mode for quick escape when stuck in slippery and muddy conditions.

## Uptime

### A longer life for components

All UD construction models are tested to their limits in order to provide greater durability than our competitors. Strong and reliable Japanese quality components guarantee a long life of productive uptime, whatever conditions you plan to put the trucks through.

### Increased service life

Optional hub reduction rear axles increase service life in tough conditions. Effective suspension reduces stress on the chassis and superstructure, which can mean longer intervals between servicing.

### At your service 24/7

Our services are designed to keep your trucks working in any conditions. UD Telematics improve profitability by maximizing vehicle uptime, making service intervals longer and lowering operational costs.

## Fuel Efficiency

### Lower operating costs with ESCOT

Building on Quester's excellent fuel economy, New Quester's GH11E engine with ESCOT automated manual transmission (AMT) is a winning formula for increased fuel efficiency. Automated gear shifting makes New Quester easier to drive and more fuel efficient even for new drivers. Helping you make the break towards lower operating costs.

### Aerodynamic cab design

UD construction cabs are aerodynamically designed for increased fuel efficiency, reducing coefficient of drag by five per cent at highway speeds.

### High torque: Low revs

UD Trucks for construction feature fuel efficient engines that minimize consumption via high torque delivered at low revs, for improved profitability on every assignment.

### Powertrain optimization

Both Croner and New Quester offer a wide choice of rear axle ratios for different applications. This delivers excellent fuel economy at cruising speed in top gear, with no compromise on performance.

## Driver Efficiency

### Easier driving with ESCOT

In average daily operations with a manual transmission, drivers need to shift 1,000 to 1,500 times per day. ESCOT automated manual transmission always selects the optimal gear, improving driver efficiency and focus regardless of skill level or experience. Stress and fatigue are also reduced.

### Better comfort on the job

Designed for long days onsite, New Quester has air suspended driver's seat and cab air suspension. This increases comfort when maneuvers are tight and the workload is heavy. Many adaptable features also make the Croner a truck to suit a wide range of drivers by allowing the most flexible driving position.

### Clean and simple driver environment

Our construction cabs are designed to minimize fatigue via well-planned ergonomics. A smart instrument cluster and information display provide exactly what's needed to focus on the job in hand.

## Safety

### Increased visibility

All construction cabs provide excellent all-round visibility with large glass areas and strategically placed mirrors. Effective and protected headlights are positioned on the cab side panel of the Croner, while there are two types of rear-view mirrors available on New Quester.

### Stress-free braking

Both trucks offer first-class braking, handling and stability. New Quester features a reliable auxiliary braking system via UD Trucks Extra Engine Brake. This maintains safe speeds and delivers powerful braking. A hydraulic retarder makes downhill driving safer, while ESCOT brake-max mode allows the transmission to continuously downshift for more effective use of the EEB.



# A durable partnership.

Construction projects demand the best support network possible. UD Extra Mile Support keeps your trucks working for you. Every hour, day or night.

## UD Genuine Service

### Service planning for peak performance

You need your vehicles on the road. That's why our detailed, free-of-charge service planning helps to reduce workshop visits, optimize service intervals for maximum uptime, and lessen any maintenance needed. Together we can keep our trucks running at peak performance.

### UD Driver Training

We want to help and encourage new drivers to make a positive contribution to your operations. Our Driver Training program is designed to help build driver

capability. Courses cover not only handover and operation, but also the best methods to save fuel and drive safely. Dedicated modules are available for long haul drivers.

## UD Genuine Parts

It's reassuring to know that UD Trucks' genuine parts keep vehicles high quality throughout a vehicle's life-cycle. Because every part of your truck matters. Designed and tested to provide the highest quality and durability, and with a one-year warranty, access to UD Genuine Parts increases uptime and lowers costs per kilometre.

## Our advice for services

✓ Tyres account for more than 7 per cent of your total cost of ownership. Depending on your operations and road conditions, frequent replacement may be needed. We recommend that a wheel alignment is carried out regularly as an included option in UD Trust.

✓ Construction sites are often far from your office location. We recommend using our mobile UD Telematics app to keep an eye on your fleet while on the move.

\*Our service offer can differ depending on market. Please contact your local dealer for more information on all services available to you.



### UD Telematics

A high-tech wireless communications system designed to help you manage your fleet effectively, keeping wheels turning while reducing operational costs. Geofencing allows you to set the most efficient routes for maximum profitability.



### UD Trust

Two levels of service care are available for construction: UD Trust Standard and UD Trust Extra. Both offer full transparency, no surprise costs and less administration.



### UD Trust: Service agreements

Details required for truck maintenance are packaged in a Service Agreement. There are three levels of service care available:

UD Trust Standard  
UD Trust Extra  
UD Trust Ultimate



# "ESCOT contributes to easy driving on tough terrain and greatly improves fuel efficiency."

Toshi Odawara, Vice President, UD Trucks Heavy Duty Product Line, talks about the unique qualities New Quester brings to the construction segment.

## **What do you think are the most important new features on New Quester for the construction industry?**

Quester already has strong assets for the construction segment. It can easily cope with tough assignments, with its robust chassis and options such as the high ground clearance, steel bumper, hub reduction and tough drivelines capable of higher payloads. Additionally, we have added our in-house automated manual gearbox ESCOT, which contributes to easy driving in various road conditions and greatly improves fuel efficiency.

## **What are the main ESCOT benefits for construction?**

ESCOT automatically starts with Eco mode, which gives the right shifting performance capturing the road and load condition for better fuel efficiency. For tough construction

assignments, we need to have stable gear shifting in rough road conditions, otherwise will be difficult to operate in such areas. For this we have added the PWR+ mode from Eco mode. This will provide smoother and stable gear shifting operations at slow speed in rough road conditions, such as on construction sites.

## **Allison is ideal for stop-start operations. Can you expand a bit on its qualities for construction in particular?**

Allison is ideal for short haul trips where you have many stop-start operations. Construction assignments are often in cities and regional areas, and delivering ready mix concrete and other construction materials in these cities is challenging. Allison is suitable for this type of operation, as clutch maintenance costs are reduced and any driver can achieve good fuel efficiency.

## **How do lowered tare weight and improved driver comfort impact positively on construction?**

In countries where have strict legal load limits, you must sacrifice the load if chassis weight is heavy. Lowered tare will increase the payload and productivity of operations. Also, we have introduced new air suspended seats with lumbar support to improve driver comfort. This will lessen the strain on drivers when negotiating rough roads.

# Voices from the construction site.

Construction company Alsahr Holding is based in Qatar. They are working on one of the gulf state's largest building projects, delivering gravel onsite.

## Quester to the test

In the course of just over a year, Alsahr Holding have been testing the Quester 40 tonne truck in tough conditions. In this period, the Quester has run 5,000 engine hours. This is equivalent to 65,000 km.

"The trucks operate efficiently," says Mohamed Al Sayaad, Workshop Manager at Alsahr Holding. "They are used for transporting gravel to a storage area to get crushed, then returned. The Quester makes more than 26 trips daily. We are very satisfied with this truck. It is very suitable for the gulf area."

## Handling and safety positives

One of Alsahr Holding's most experienced drivers is also impressed by the main truck in UD's construction offering.

"I have driven many vehicles, but once I started driving the UD trucks, I feel very good in it. Overall, the gears, seat, PTO, up and down dumping mechanism are all very good. It can climb hills and slopes easily. Whether you put it in third or fifth gear, it doesn't matter. You can feel the power, even at higher gears."

"The truck's safety is also very good. There's wide visibility due to the front view mirror and the large sized side view mirror. All four sides can also be seen clearly in the rear view mirror. Therefore the driver is very safe."

"When I drive this, all the other drivers are envious and say that I am a big man with a great truck, while they only have small trucks. I only want to drive this truck."

## Growing partnership

Alsahr Holding currently own twenty five vehicles from UD Trucks, and they are positive about increasing this number.

*"We hope that this partnership keeps growing with our company and projects."*

Firas Sader Al Deen, Transportation Manager.

"The aftersales is very positive, as is the maintenance, the repair and the workshop. We want to say thank you to UD Trucks."

 **YouTube** Watch the video on UD Trucks' YouTube channel.







# Let's talk more.

Want to know more about how UD Trucks can help your construction business find the next level?

Get in touch with your local UD Trucks salesperson who will tell you more about our complete product and service offer. Together we can find the solution that works best for you, to build your profitable future.

Visit [udtrucks.com](http://udtrucks.com) to find contact details for your local dealer.







**UD TRUCKS**

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(This brochure is current as of February 2019).

UD Trucks manufactures standard vehicle which does not include technical modification on the truck chassis to comply with the rules imposed by international conventions, relevant national legislation, and transport standards for specific purposes such as hazardous substance transport. Any such modification needs to be done by bodybuilder or customer, and in no event shall UD Trucks be liable for any liability, loss, injury or risk which is incurred or suffered as a result of such use of the vehicle.

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