

# Toyota IC Counterbalanced Trucks

The Toyota Tonero Range



## Toyota Tonero

UP TO 3.5 TONNES WITH TORQUE CONVERTER OR HYDROSTATIC TRANSMISSION



Highly productive and reliable trucks  
for light to heavy-duty applications

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1.5 – 3.5 TONNES LOAD CAPACITIES  
DIESEL OR LPG ENGINES  
TORQUE CONVERTER OR HYDROSTATIC TRANSMISSION

P.4 (TC) / P.6 (HST)

# Toyota Toner

FROM 3.5 UP TO 8.0 TONNES WITH TORQUE CONVERTER TRANSMISSION



Robust and durable trucks  
for heavy work or multi-pallet handling

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3.5 – 8.0 TONNES LOAD CAPACITIES  
DIESEL OR LPG ENGINES  
TORQUE CONVERTER TRANSMISSION





# TOYOTA TONERO

## WITH TORQUE CONVERTER

The Toyota Tonero is a versatile family of engine-powered counterbalanced trucks suitable for all applications up to 3,5 tonnes. They offer stability and productivity during these light to heavy-duty outdoor applications, and provide driver comfort as well as all-round visibility thanks to the wide range of cabins. These fast and manoeuvrable trucks are available with diesel or LPG engines.

## SPECIFICATIONS

**Load capacity:** 1.5, 1.75, 2.0, 2.5, 3.0, 3.5 t @ 500 mm load centre

**Maximum lift height:** 7.0 m

**Engine choice:** • 1DZIII (diesel – 36 kW)

• 1ZS (diesel – 41 kW)

• 4Y (LPG – 38/42 kW)

**Options available:** L Site 

**SAS**





Excellent fork-tip visibility for increased safety and productivity



Adjustable, comfortable and safe ORS seat



Convenient foot-operated parking brake



Optional swivel seat for more comfortable reversing



● standard ° option

**Load handling**

	Safety	Durability	Productivity	Driveability	8FG/DF15	8FG/DF18	8FG/DF20	8FG/DF25	8FG/DF30	8FG/DF35
Wide Visible Mast (V)	●				●	●	●	●	●	●
Full-free 2-stage mast (FV)					°	°	°	°	°	°
Full-free 3-stage mast (FSV)					°	°	°	°	°	°
Hydraulic cushioned forks			●		°	°	°	°	°	°
Hydraulic accumulator			°		°	°	°	°	°	°
Fully oil-charged lift cylinder		°			°	°	°	°	°	°
Anti-rust rollers		°			°	°	°	°	°	°
Integrated sideshift			●		°	°	°	°	°	°
Hook-on sideshift			°		°	°	°	°	°	°
Fork positioner			°		°	°	°	°	°	°

**Engine**

Diesel version (8FDF)					●	●	●	●	●	●
LPG Exclusive (8FGF)					●	●	●	●	●	●
LPG Convertible System					°	°	°	°	°	°
Gasoline version					°	°	°	°	°	°
Hydrodynamic transmission			●	●	●	●	●	●	●	●
Load sensing power steering			●	●	●	●	●	●	●	●
LPG refillable tank			°	°	°	°	°	°	°	°
High capacity cooling		°			°	°	°	°	°	°
Cold weather spec					°	°	°	°	°	°
Upswept exhaust				°	°	°	°	°	°	°
Catalytic muffler	°				°	°	°	°	°	°
3way catalytic muffler	°				°	°	°	°	°	°
Cyclone air cleaner		°			°	°	°	°	°	°
Pre-cleaner		°			°	°	°	°	°	°
DPF II	°				°	°	°	°	°	°
Radiator screen		°			°	°	°	°	°	°
Transmission protection system		°	°		°	°	°	°	°	°
High capacity battery		°			°	°	°	°	°	°
12V power supply			°		°	°	°	°	°	°
Engine cut off timer			°		°	°	°	°	°	°
High speed torque converter			°		°	°	°	°	°	°
Hydraulic oil cooler		°			°	°	°	°	°	°

**Lights and indicators**

Headlights	°				●	●	●	●	●	●
Rear combination lights					●	●	●	●	●	●
Flashing beacon	°				°	°	°	°	°	°
Lowered flashing beacon					°	°	°	°	°	°
Front combination lights	°				°	°	°	°	°	°
Rear working light with switch	°				°	°	°	°	°	°
Key off, headlight off system			°		°	°	°	°	°	°
Back-up buzzer	°				°	°	°	°	°	°

● standard ° option

**Body**

Full hydraulic power steering					°	°	°	°	°	°
Adjustable tilt steering column					°	°	°	°	°	°
Tilt cylinder boots		°			°	°	°	°	°	°
Foot operated parking brake	°				°	°	°	°	°	°
OK monitor		°			°	°	°	°	°	°
Combination meter including self diagnostic system					°	°	°	°	°	°
Digital multifunction display (Deluxe)					°	°	°	°	°	°
Rear-view mirror					°	°	°	°	°	°
Panoramic mirror					°	°	°	°	°	°
Front windshield and roof					°	°	°	°	°	°
Cab w/o doors					°	°	°	°	°	°
Cab with canvas doors					°	°	°	°	°	°
Steel cab					°	°	°	°	°	°
Deluxe cabin					°	°	°	°	°	°
Seat mounted minilevers					°	°	°	°	°	°
Seat mounted multifunction levers					°	°	°	°	°	°
Toyota ORS seat (Operator Restraint System) (vinyl)					°	°	°	°	°	°
Fabric ORS seat					°	°	°	°	°	°
Swivel seat					°	°	°	°	°	°
Rear assist grip with horn button					°	°	°	°	°	°
D2 pedal					°	°	°	°	°	°
Long life coolant 50%		°			°	°	°	°	°	°
Telescopic steering column					°	°	°	°	°	°
High overhead guard (+125 mm) + high comfort seat					°	°	°	°	°	°
Max speed and acceleration reduction with lifted load					°	°	°	°	°	°
Max drive speed setting					°	°	°	°	°	°
Load weight indicator					°	°	°	°	°	°

**Safety features**

Toyota SAS (System of Active Stability)	°	°	°	°	°	°	°	°	°	°
Operator Presence Sensing System (OPS)	°				°	°	°	°	°	°

**Tyres**

Pneumatic shaped cushion tyres			°	°	°	°	°	°	°	°
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**Special applications**

Drive in racking			°		°	°	°	°	°	°
Dusty environment spec		°			°	°	°	°	°	°

**Toyota SAS**

The unique System of Active Stability (SAS) is the world's first active system for controlling forklift stability.

By protecting the operator and load when driving, turning and lifting, SAS provides advanced technology increasing safety in the workplace and improving productivity. It includes: SAS Active Mast Tilt Angle Control, SAS Active Mast Tilt Speed Control, SAS Fork Levelling, SAS Active Steering Synchroniser, SAS Swing Lock Cylinder.

**Toyota industrial engines**

All Toyota engines are built in-house, for quality and long-term reliability. They are specifically designed for industrial applications and allow quick acceleration and optimised fuel efficiency. A choice between diesel and LPG engines. The diesel range offers 2 engines. The 1DZ- III (Stage IIIA) with Load Sensing Power Steering as standard is perfect for low and medium intensity rack and block stacking. The 1ZS (Stage IIIB) with common rail fuel injection and Load Sensing Power Steering is ideal for medium to high intensity applications and when the use of heavier attachments is required. The 1ZS engine complies to stage IIIB regulation requirements without the need of a diesel particulate filter.

**Torque converter transmission**

Torque converter models offer a smooth overall driving experience by powerful acceleration and the possibility of coasting, easy direction change, single speed transmission, and no gearshift.

**Outstanding driver experience**

Excellent visibility: through the mast, the overhead guard, and all-round due to the design of the chassis and dashboard. The workspace is comfortable and spacious, boosting productivity. The load-sensing power steering offers a highly comfortable and precise steering at all driving speeds and all load weights.

**TPS-based reliability**

Like all Toyota trucks, Toyota Tonero trucks are built according to the Toyota Production System (TPS), assuring the highest levels of quality, durability and reliability.





# TOYOTA TONERO

## HST

The Toyota Tonero is a versatile family of engine-powered counterbalanced trucks suitable for all applications up to 3,5 tonnes. They offer stability and productivity during these light to heavy-duty outdoor applications, and provide driver comfort as well as outstanding all-round visibility thanks to the wide range of cabins. The hydrostatic transmission is perfect for drivers who prefer automatic breaking when releasing the accelerator. These fast and manoeuvrable trucks are available with diesel or LPG engines.

## SPECIFICATIONS

**Load capacity:** 1.5, 1.75, 2.0, 2.5, 3.0, 3.5 t @ 500 mm load centre

**Maximum lift height:** 7.0 m

**Engine choice:** . 1DZIII (diesel – 36 kW)  
 . 4Y (LPG – 38/42 kW)

**Available with:** **I\_Site**

**SAS**





Minilevers in the armrest are intuitive and easy to use



Superior upward visibility aids safety and productivity



Choice of pedal layouts to suit any application (double pedal layout shown)



Easy access for maintenance maximises uptime

● standard ° option

**Load handling**

	Safety	Durability	Productivity	Driveability	8FG/D15F	8FG/D18F	8FG/D20F	8FG/D25F	8FG/D30F	8FG/D35F
Wide Visible Mast (V)	●				●	●	●	●	●	●
Full-free 2-stage mast (FV)	●				°	°	°	°	°	°
Full-free 3-stage mast (FSV)	●				°	°	°	°	°	°
Hydraulic cushioned forks			●		°	°	°	°	°	°
Hydraulic accumulator			●		°	°	°	°	°	°
Fully oil-charged lift cylinder	°	●			°	°	°	°	°	°
Anti-rust rollers	°	●			°	°	°	°	°	°
Integrated sideshift			●		°	°	°	°	°	°
Hook-on sideshift			●		°	°	°	°	°	°
Fork positioner			●		°	°	°	°	°	°

**Engine**

	Safety	Durability	Productivity	Driveability	8FG/D15F	8FG/D18F	8FG/D20F	8FG/D25F	8FG/D30F	8FG/D35F
Diesel version (8FDF)					●	●	●	●	●	●
LPG Exclusive (8FGF)					●	●	●	●	●	●
LPG refillable tank			●		°	°	°	°	°	°
Hydrostatic transmission			●	●	●	●	●	●	●	●
Upswept exhaust			●	°	°	°	°	°	°	°
Catalytic muffler	°			°	°	°	°	°	°	°
3-way catalytic muffler	°			°	°	°	°	°	°	°
Cyclone air cleaner	°	●			°	°	°	°	°	°
Pre-cleaner	°	●			°	°	°	°	°	°
Spark guard net	°			°	°	°	°	°	°	°
High capacity alternator, 60A			●	°	°	°	°	°	°	°
High capacity battery	°	●			°	°	°	°	°	°
12V power supply			●		°	°	°	°	°	°

**Lights and indicators**

	Safety	Durability	Productivity	Driveability	8FG/D15F	8FG/D18F	8FG/D20F	8FG/D25F	8FG/D30F	8FG/D35F
Headlights	●				●	●	●	●	●	●
Rear combination lights	●				●	●	●	●	●	●
Flashing beacon	°				°	°	°	°	°	°
Lowered flashing beacon	°				°	°	°	°	°	°
Front combination lights	°				°	°	°	°	°	°
Rear working light with switch	°				°	°	°	°	°	°
Key off, headlight off system	°			°	°	°	°	°	°	°
Back-up buzzer	°			°	°	°	°	°	°	°

**Body**

	Safety	Durability	Productivity	Driveability	8FG/D15F	8FG/D18F	8FG/D20F	8FG/D25F	8FG/D30F	8FG/D35F
Full hydraulic power steering				●	●	●	●	●	●	●
Adjustable tilt steering column				●	●	●	●	●	●	●
Tilt cylinder boots				●	●	●	●	●	●	●
Foot operated parking brake	°	●		°	°	°	°	°	°	°

● standard ° option

**Body**

	Safety	Durability	Productivity	Driveability	8FG/D15F	8FG/D18F	8FG/D20F	8FG/D25F	8FG/D30F	8FG/D35F
OK monitor		°			°	°	°	°	°	°
Combination meter including self diagnostic system	°	●			●	●	●	●	●	●
Digital multifunction display (Deluxe)	°	●		°	°	°	°	°	°	°
Rear-view mirror				°	°	°	°	°	°	°
Panoramic mirror				°	°	°	°	°	°	°
Front windshield and roof	°			°	°	°	°	°	°	°
Cab w/o doors	°			°	°	°	°	°	°	°
Cab with canvas doors	°			°	°	°	°	°	°	°
Steel cab	°			°	°	°	°	°	°	°
Deluxe cabin	°			°	°	°	°	°	°	°
Seat mounted minilevers				°	°	°	°	°	°	°
Seat mounted multifunction levers				°	°	°	°	°	°	°
Toyota ORS seat (Operator Restrain System) (vinyl)	°			°	°	°	°	°	°	°
Fabric ORS seat	°			°	°	°	°	°	°	°
Swivel seat	°		°	°	°	°	°	°	°	°
Rear assist grip with horn button	°		°	°	°	°	°	°	°	°
Electric wet disk parking brake	°	°		°	°	°	°	°	°	°
Long life coolant 50%	°	°		°	°	°	°	°	°	°
Double accel pedal	°		°	°	°	°	°	°	°	°
Max speed and acceleration reduction with lifted load	°			°	°	°	°	°	°	°
Telescopic steering column				°	°	°	°	°	°	°
High overhead guard (+125 mm) + high comfort seat				°	°	°	°	°	°	°

**Safety features**

	Safety	Durability	Productivity	Driveability	8FG/D15F	8FG/D18F	8FG/D20F	8FG/D25F	8FG/D30F	8FG/D35F
Toyota SAS (System of Active Stability)	°	°	°	°	°	°	°	°	°	°
Operator Presence Sensing System (OPS)	°				°	°	°	°	°	°

**Tyres**

	Safety	Durability	Productivity	Driveability	8FG/D15F	8FG/D18F	8FG/D20F	8FG/D25F	8FG/D30F	8FG/D35F
Pneumatic shaped cushion tyres			°	°	°	°	°	°	°	°
Pneumatic tyres			°	°	°	°	°	°	°	°

**Special applications**

	Safety	Durability	Productivity	Driveability	8FG/D15F	8FG/D18F	8FG/D20F	8FG/D25F	8FG/D30F	8FG/D35F
Cold environment version		°			°	°	°	°	°	°
Dusty environment spec		°			°	°	°	°	°	°

**Toyota SAS**

The unique System of Active Stability (SAS) is the world's first active system for controlling forklift stability.

By protecting the operator and load when driving, turning and lifting, SAS provides advanced technology increasing safety in the workplace and improving productivity. It includes:

SAS Active Mast Tilt Angle Control, SAS Active Mast Tilt Speed Control, SAS Fork Levelling, SAS Active Steering Synchronizer, SAS Swing Lock Cylinder.

**Toyota industrial engines**

All Toyota engines are built in-house, for quality and long-term reliability. They are specifically designed for industrial applications, providing quick acceleration and optimised fuel efficiency.

**Hydrostatic transmission**

The hydrostatic (HST) version offers an alternative to the torque converter version by delivering powerful engine braking and acceleration with pre-set driving parameters, quick direction change, independent lift and drive functionality, an electrical parking brake and 'stop-on-ramp' functionality.

**Outstanding driver experience**

Excellent visibility: through the mast, the overhead guard, and all-round due to the design of the chassis and dashboard.

The workspace is comfortable and spacious, boosting productivity.

**TPS-based reliability**

Like all Toyota trucks, Toyota Tonero trucks are built according to the Toyota Production System (TPS), assuring the highest levels of quality, durability and reliability.





# TOYOTA TONERO

## HIGH-TONNAGE

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Powerful and precise in all applications, the Toyota Tonero higher tonnage family takes productivity to a new level. Designed to move loads up to 8 tonnes with ease, they are built for intensive operation, multi-load handling or for use with heavy attachments.

## SPECIFICATIONS

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**Load capacity:** 3.5, 4.0, 4.5, 5.0, 6.0, 7.0, 8.0 t @ 600 mm load centre

**Maximum lift height:** 6.0 m

**Engine choice:**

- 1KD (diesel – 55 kW)
- 1FS (LPG/ gasoline – 62 kW)

**Available with:** **I\_Site**

**SAS**







Clean, state-of-the-art Toyota 1KD common rail diesel engine



Spacious and comfortable driver compartment with superb 360° visibility



Steel cabin option offers a high comfort level in all weather conditions



Highly effective cooling systems ensure consistent performance in all environments



● standard ○ option

**Load handling**

	Safety	Durability	Productivity	Driveability	8FG/D35N	8FG/D40N	8FG/D45N	8FG/D50N	8FG/D60N	8FG/D70N	8FG/D80N
Wide Visible Mast (V)	●				●	●	●	●	●	●	●
Full-free 2-stage mast (FV)	●				○	○	○	○	○	○	○
Full-free 3-stage mast (FSV)	●				○	○	○	○	○	○	○
Heavy duty mast	●	●			○	○					
Fully oil charged lift cylinder	●	●			○	○	○	○	○	○	○
Heavy duty hydraulic accumulator	●	●			○	○	○	○	○	○	○
Hook-on sideshift	●	●			○	○	○	○	○	○	○

**Engine**

	Safety	Durability	Productivity	Driveability	8FG/D35N	8FG/D40N	8FG/D45N	8FG/D50N	8FG/D60N	8FG/D70N	8FG/D80N
Diesel version (8FDN)					●	●	●	●	●	●	●
Gasoline version (8FGN)					●	●	●	●	●	●	●
LPG exclusive					○	○	○	○	○	○	○
LPG convertible (Z3)					○	○	○	○	○	○	○
LPG bracket (swing-down type)					○	○	○	○	○	○	○
Hydrodynamic transmission			●	●	●	●	●	●	●	●	●
Load sensing power steering			●	●	●	●	●	●	●	●	●
Travel speed limitation control	●				●	●	●	●	●	●	●
Overheat-detection engine-output limiter	●				●	●	●	●	●	●	●
Radiator screen	●				●	●	●	●	●	●	●
Torque converter oil cooler	●				●	●	●	●	●	●	●
High capacity cooling	●				○	○	○	○	○	○	○
Upswept exhaust				●	○	○	○	○	○	○	○
3-way catalytic converter	●				○	○	○	○	○	○	○
Cyclone air cleaner	●				○	○	○	○	○	○	○
Pre-cleaner	●				○	○	○	○	○	○	○
Plate fin radiator	●				○	○	○	○	○	○	○
LPG warning indicator			●	●	○	○	○	○	○	○	○
Cooling fan booster	●				○	○	○	○	○	○	○
High capacity alternator, 80A	●		●	●	○	○	○	○	●	●	●
High capacity battery	●				○	○	○	○	○	○	○
Transmission protection system	●				○	○	○	○	○	○	○

**Lights and indicators**

	Safety	Durability	Productivity	Driveability	8FG/D35N	8FG/D40N	8FG/D45N	8FG/D50N	8FG/D60N	8FG/D70N	8FG/D80N
Headlights with guard	●				●	●	●	●	●	●	●
Rear combination lights	●				●	●	●	●	●	●	●
Front combination lights	○				○	○	○	○	○	○	○
LED head lights	○				○	○	○	○	○	○	○
Rear working light	○				○	○	○	○	○	○	○
Key off, headlight off system	○			●	○	○	○	○	○	○	○
Back-up buzzer	●				○	○	○	○	○	○	○

● standard ○ option

**Body**

	Safety	Durability	Productivity	Driveability	8FG/D35N	8FG/D40N	8FG/D45N	8FG/D50N	8FG/D60N	8FG/D70N	8FG/D80N
Full hydraulic power steering with load sensing				●	●	●	●	●	●	●	●
Adjustable tilt steering column				●	●	●	●	●	●	●	●
OK monitor		●			○	○	○	○	○	○	○
Combination meter including self diagnostic system	●				●	●	●	●	●	●	●
Digital multifunction display (Deluxe)	●				○	○	○	○	○	○	○
Rear view mirror	●				○	○	○	○	○	○	○
Front windshield and roof	●				○	○	○	○	○	○	○
Cab w/o doors	○				○	○	○	○	○	○	○
Cab with canvas doors	○				○	○	○	○	○	○	○
Steel cab	○				○	○	○	○	○	○	○
Heater	○				○	○	○	○	○	○	○
High spec heater	○				○	○	○	○	○	○	○
Defroster	○				○	○	○	○	○	○	○
Minilevers	○				○	○	○	○	○	○	○
Multifunction levers	○				○	○	○	○	○	○	○
Toyota ORS seat (Operator Restraint System)	●				●	●	●	●	●	●	●
Fabric ORS seat	○				○	○	○	○	○	○	○
Seat with air suspension	○				○	○	○	○	○	○	○
Swivel seat	○		●		○	○	○	○	○	○	○
Rear assist grip	○				○	○	○	○	○	○	○
D2 pedal	○				○	○	○	○	○	○	○
Long life coolant 50%	●				●	●	●	●	●	●	●
Telescopic steering column	○				○	○	○	○	○	○	○
Low height headguard (2200 mm)	○				○	○	○	○	○	○	○
+75 mm overheadguard & Comfort seat	○				○	○	○	○	○	○	○

**Safety features**

	Safety	Durability	Productivity	Driveability	8FG/D35N	8FG/D40N	8FG/D45N	8FG/D50N	8FG/D60N	8FG/D70N	8FG/D80N
Toyota SAS (System of Active Stability)	●	●	●	●	●	●	●	●	●	●	●
Operator Presence Sensing System (OPS)	●				●	●	●	●	●	●	●

**Tyres**

	Safety	Durability	Productivity	Driveability	8FG/D35N	8FG/D40N	8FG/D45N	8FG/D50N	8FG/D60N	8FG/D70N	8FG/D80N
Pneumatic tyres			●	●	●	●	●	●	●	●	●
Pneumatic shaped cushion tyres		●			○	○	○	○	○	○	○

**Special applications**

	Safety	Durability	Productivity	Driveability	8FG/D35N	8FG/D40N	8FG/D45N	8FG/D50N	8FG/D60N	8FG/D70N	8FG/D80N
Cold weather spec	●				○	○	○	○	○	○	○

**Toyota SAS**

The unique System of Active Stability (SAS) is the world's first active system for controlling forklift stability.

By protecting the operator and load when driving, turning and lifting, SAS provides advanced technology increasing safety in the workplace and improving productivity. It includes: SAS Active Mast Tilt Angle Control, SAS Active Mast Tilt Speed Control, SAS Fork Levelling, SAS Active Steering Synchronizer, SAS Swing Lock Cylinder.

**Toyota industrial engines**

All Toyota engines are built in-house, for quality and long-term reliability. They are specifically designed for industrial applications, providing quick acceleration and optimised fuel efficiency. The Tonero trucks come with a diesel or LPG engine. The Toyota 1KD engine with common rail fuel injection offers high acceleration, drive and lift speeds and it achieves an emission level significantly below the stage IIIB regulation requirements without the need of a diesel particulate filter. The compact LPG/gasoline Toyota 1FS engine comes with electronic fuel injection and excels at optimum truck performance and fuel efficiency.

**Durable partner**

A strong steel frame and overhead guard increases protection of the driver and a robust dual stage torque converter ensures high durability and starting force with no gearshift. Highly efficient cooling ensures a long working life for key components and keeps productivity high in tough working conditions.

**Outstanding driver experience**

Excellent visibility: through the mast, the overhead guard, and all-round due to the design of the chassis and dashboard.

The workspace is comfortable and spacious, boosting productivity. The load-sensing power steering offers a highly comfortable and precise steering at all driving speeds and all load weights.

**TPS-based reliability**

Like all Toyota trucks, Toyota Tonero trucks are built according to the Toyota Production System (TPS), assuring the highest levels of quality, durability and reliability.

# Toyota Material Handling in Europe

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## Total coverage

The Toyota Material Handling network extends to over 30 countries in Europe with more than 4500 mobile technicians.

## Always local – with global support

Wherever you are located in Europe, we are always local, due to our extensive coverage, but with the stability and back-up of a worldwide organisation.

## Made in Europe

Over 90% of trucks we sell are built in our own European factories, in Sweden, France and Italy – all to TPS quality standards. We employ over 3000 production staff in Europe and work with over 300 European suppliers.

Approximately 15% of our European production is exported to other parts of the world.

