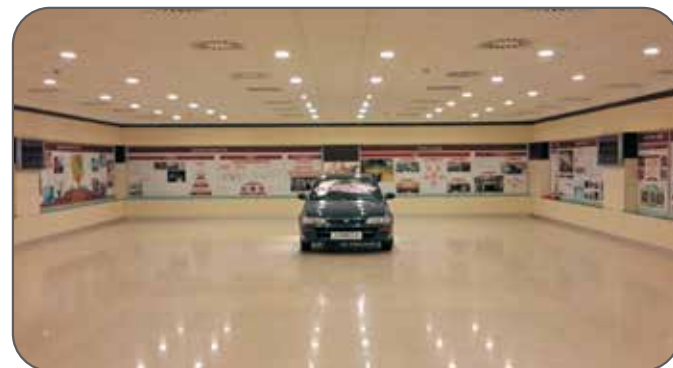


# TOYOTA OTOMOTİV SANAYİ TÜRKİYE A.Ş.

## COMPANY PROFILE



## INFORMATION

- Establishment : July 1990
- Product Line-up : Corolla / Verso / Toyota C-HR
- Start of Production : September 1994
- Start of Export : February 2002
- Capacity : 280,000 units a year
- Accumulated Investment : 1,7 billion Euro
- Employees : 5.000
- Share Distribution : Toyota Motor Europe NV/SA 90%;  
Mitsui & Co., Ltd. 10%
- Site Area/Floor Space : 917,000m<sup>2</sup> / 225,000m<sup>2</sup>
- Manufacturing Process : Press, Welding, Paint, Plastic, Assembly

Producing quality under the principle of "Toyota Way"

## MILESTONES OF TMMT

| 1990                      | 2000                              | 2002             | 2004          | 2009                  | 2013    | 2016        |
|---------------------------|-----------------------------------|------------------|---------------|-----------------------|---------|-------------|
| ESTABLISHMENT             | REORGANISATION                    | COROLLA SEDAN&SW | VERSO         | VERSO                 | COROLLA | TOYOTA C-HR |
| 1994<br>PRODUCTION STARTS | (90% TME<br>10% MITSUI)<br>TOYOTA | EXPORT STARTS    | 2007<br>AURIS | 1.000.000. th VEHICLE |         |             |

## CURRENT MODELS



COROLLA

In 1994, TMMT started production with 7th generation Corolla. Since 2013, production of 11th generation Corolla production continues.



VERSO

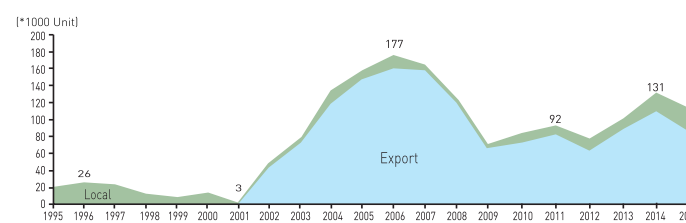
In 2004, Turkey's first locally produced MPV, Verso production started. Export of Verso is mainly for European countries.



C-HR

TNGA: Toyota New Global Architecture  
Toyota C-HR is Turkey's first locally produced Hybrid and Crossover passenger car. With Toyota C-HR, TMMT become the first Toyota plant outside Japan to produce a vehicle based on TNGA.

## PRODUCTION VOLUME



## MANUFACTURING PROCESS

### Press



Rolled metal sheets are being cut according to their dimensions in blanking line and shaped as body parts in 3 different automatic press machines. Quality level of press panels are checked by the operators continuously. Only the parts at high quality, can go to Welding Shop to become a component of a vehicle. Through CNC machine tools in die manufacturing section, dies are being produced for not only plant's needs but also for exporting.

### Welding



Body parts, produced in Press Shop and procured from suppliers are compounded each other to form sub-assemblies precisely. Some welding operations are manual and some are done by robots. High automation level is reached in Welding Shop with newly adopted 600 welding robots. Quality is assured in every process and final check is made at the end of line via laser technology.

### Paint



After ED coating, bodies are painted by paint robots, which are able to paint all body surface at the same level. Environment friendly water base paints are used in Paint Shop through maximum sterilization level. At the end of painting process, not only high resistance to corrosion but also a superb finishing and excellent brightness is provided.

### Assembly



All parts procured from suppliers, including engine and transmission, are being assembled to painted body in Assembly Shop. While producing the vehicle, all parts arrive to the stations within a synchronized manner through just in time principle. During all production process, Toyota Production System tools (heijunka, poka yoke, andon, kanban) are being applied. Finally, several quality checks and performance inspections (drum test, noise test, break test, water leakage test, etc.) are applied to assure vehicle quality before delivering to customer.

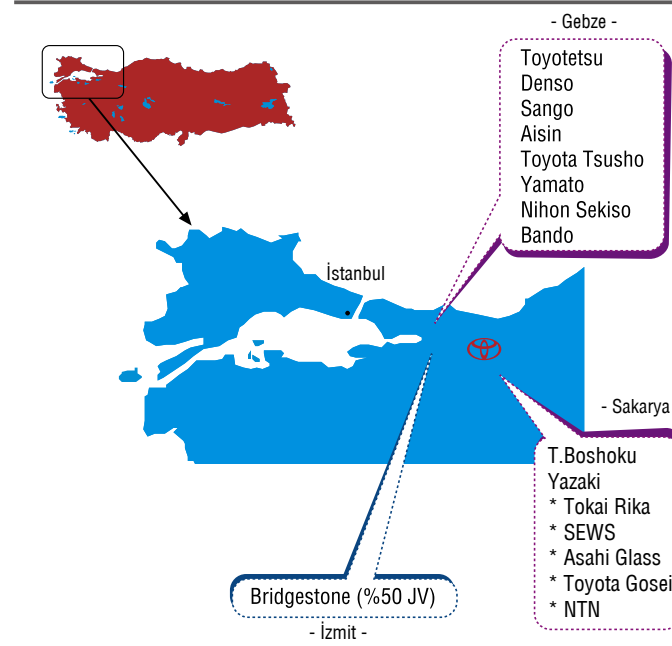
## ENVIRONMENTAL ACTIVITIES



Toyota Turkey accepts as one of its main duties; the responsibility for the future generations, the economical development and improvements based on acceptable foundation on the ecological side.

It is a fact that products of good quality can only be produced in safe and clean environments. Toyota Turkey applies the necessary technologies in line with the global Toyota environmental policies and sustainable development concept in its product development, design and manufacturing processes.

## JAPANESE SUPPLIERS IN TURKEY



\* Only warehouse operation

## HYBRID VEHICLES

First Hybrid Vehicle Production in Turkey is Toyota C-HR



Engine Type: 1,8 lt Hybrid  
Emission: 85 gr/km  
Fuel Consumption: 3,5 - 3,9 lt/100km

### Hybrid Vehicles

Vehicles that are running both on fuel and electricity power in balance.

### Operation Principle of the Hybrid Vehicles by Driving Status

| Engine Type       | Start up | Normal Cruising | Normal Cruising/Recharge |
|-------------------|----------|-----------------|--------------------------|
| Electrical Engine | ✓        | ✓               | ✓                        |
| Petrol Engine     | ✗        | ✗               | ✓                        |

| Engine Type       | Acceleration | Deceleration | Stop |
|-------------------|--------------|--------------|------|
| Electrical Engine | ✓            | ✓            | ✗    |
| Petrol Engine     | ✓            | ✗            | ✗    |

First hybrid mass production vehicle in the world is Prius



| Global Hybrid Information |  |
|---------------------------|--|
| 32                        | # full hybrid vehicles sold world wide (32 hybrids)                  |
| 90                        | # of countries and regions where hybrids are sold                    |
| 8.5 M                     | Cumulative global sales of hybrids (1997 - Dec 2015)                 |
| 12%                       | % of global sales that were hybrids in 2015                          |
| 2020                      | Year by which hybrid technology will be incorporated in all segments |