
The global market for torque convertor had a value of $5.2 billion by the end of 2015, and the market is expected to grow at a CAGR of 5.45% till the forecast period. The torque converter in an automatic transmission serves the purpose like that of a clutch in a manual transmission. The demand of torque convertor is directly related with the increased usage of automatic transmissions in modern vehicles. The key characteristic of a torque converter is the ability to multiply torque when there is a substantial difference between the input and output of the engine's rotation. A torque converter is a type of fluid coupling, which allows the engine to spin to some extent, independent of the transmission. The growth of the automatic transmission market would be driven by the increased demand of driver-assisted convenient systems, along with the increased use of electronics in the vehicle, which would further augment the demand for torque convertor. The increased concern on vehicle safety especially in the heavily congested traffic in Asia-Pacific roads, would also help to significantly manoeuvre the demand for automatic transmission in the global market.

There are four components inside the housing of the torque converter- pump, turbine, stator, transmission fluid. The significant factor to the torque convertor's ability to multiply torque, lies in the capacity of the stator. For any other fluid coupling mechanism, periods of high liquid slippage cause the fluid flow returning from the turbine to the impeller to oppose the direction of impeller rotation, leading to a significant loss of efficiency and generates a considerable degree of waste heat. Under the same condition in a torque convertor, the returning fluid would be redirected by the stator so that it helps in the rotation of the impeller, instead of obstructing it. The considerable degree of torque multiplication produced by a converter is dependent on the size and shape of the turbine and stator blades, and gets generated only when the converter is at or near the stall phase of operation. The loss of efficiency of a torque convertor can be primarily attributed to the loss of kinetic energy caused due to the curvature of the turbine blades (which is critical for torque multiplication). There is always a trade-off which needs to be adjusted between torque multiplication and coupling efficiency while designing the turbine blade.

Advents in the torque convertor would increase the appeal of this mechanism to a significant extent, as modern cars have a torque convertor with a lockup clutch. When the two halves of the torque convertor get up to speed, this clutch locks them together, reducing any form of fluid slippage to the minimum and improving efficiency.

North America had the highest share in the market in 2015, and would continue to be so by the end of 2020. The major drawback in the market can be attributed to the high labour cost associated with the replacement market. The prospects for growth of the torque convertor market in Americas would be significantly affected by the increased adoption of automatic transmissions in heavy-duty and medium trucks. High fuel efficiency, ease and comfort of driving, low- driving skill requirements would compel the fleet owners to opt for an automatic transmission in heavy and medium-duty trucks as well as for end consumers in passenger vehicle segment. In addition, increased adoption of automatic transmission in passenger vehicles, would drive the growth of the torque convertor significantly for passenger vehicles during the forecast period.

The market is segmented on the basis of automatic transmission types (AMT, DCT, CVT), by vehicle type (Passenger car, HCV, LCV), by end consumer type (OEMs, Aftermarket) and by geography (North America, Europe, Asia Pacific, Latin America, Africa & Middle-East). Among the transmission types, Automated Manual Transmission, would have the bulk of the market share with 36% by the end of the forecast period. Valeo, BorgWarner, Subaru, ZF, Schaeffer Isuzu are the leading vendors in the torque convertor market.

The Report Offers:
- Market Definition along with identification of key drivers and restraints for the market.
- Market analysis with region specific assessments and competition analysis on the market
- Identification of factors instrumental in changing the market scenarios, rising prospective opportunities and identification of key companies, which can influence the market.
- Extensively researched competitive landscape section with profiles of major companies along with their
- Identification and analysis of the Macro and Micro factors that affect the industry in the region as well as in the country.

Please note: As this product is updated at the time of order, dispatch will be 72 hours from the date the order and full payment is received.

Contents:
1. Introduction
   1.1 Research Methodology
   1.2 Key Findings Of The Study
2. Key Findings
3. Executive Summary
4. Market Overview And Technology Trends
   4.1 Current Market Scenario
   4.2 Technology Trends
   4.3 Porter's Five Forces Framework
      4.3.1 Bargaining Power Of Suppliers
      4.3.2 Bargaining Power Of Consumers
      4.3.3 Threat Of New Entrants
      4.3.4 Threat Of Substitute Products And Services
      4.3.5 Competitive Rivalry Within The Industry
5. Market Dynamics
   5.1 Drivers
   5.2 Restraints
   5.3 Opportunities
   5.4 Latest Technological Developments
6. Global Automotive Torque Converter Market, By Transmission Type (Growth, Innovations And Feasibility)
   6.1 Amt
   6.2 Dct
   6.3 Cvt
   6.4 Others
7. Global Automotive Torque Converter Market, By End Consumers (Growth, Trends, Forecasts)
   7.1 Oems
   7.2 Aftermarket
8. Global Automotive Torque Converter Market, By Vehicle Type (Growth, Trends And Durability)
   8.1 Passenger Vehicles
   8.2 Hcvs
   8.3 Lcvs
9. Global Automotive Torque Converter Market, By Geography
   9.1 North America (NA)
      9.1.1 Introduction
      9.1.2 United States
      9.1.3 Canada
   9.2 Europe (EU)
      9.2.1 Introduction
      9.2.2 U.K.
      9.2.3 France
      9.2.4 Germany
      9.2.5 Russia
      9.2.6 Italy
      9.2.7 Rest Of Europe
   9.3 Asia-Pacific (APAC)
      9.3.1 Introduction
      9.3.2 China
      9.3.3 Japan
      9.3.4 India
      9.3.5 Australia
      9.3.6 South Korea
      9.3.7 Rest Of Asia-Pacific
   9.4 Middle-East And Africa (MEA)
      9.4.1 Introduction
      9.4.2 South Africa
Fax Order Form
To place an order via fax simply print this form, fill in the information below and fax the completed form to 646-607-1907 (from USA) or +353-1-481-1716 (from Rest of World). If you have any questions please visit
http://www.researchandmarkets.com/contact/

Order Information
Please verify that the product information is correct and select the format(s) you require.

Web Address: http://www.researchandmarkets.com/reports/3799356/
Office Code: SCBRHW21

Product Formats
Please select the product formats and quantity you require:

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Electronic (PDF) - Single User:</th>
<th>USD 4250</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Electronic (PDF) - 1 - 5 Users:</td>
<td>USD 4500</td>
</tr>
<tr>
<td></td>
<td>Electronic (PDF) - Enterprisewide:</td>
<td>USD 8750</td>
</tr>
</tbody>
</table>

Contact Information
Please enter all the information below in BLOCK CAPITALS

Title: [ ] Mr [ ] Mrs [ ] Dr [ ] Miss [ ] Ms [ ] Prof
First Name: ___________________________ Last Name: ________________________
Email Address: * ___________________________
Job Title: ___________________________
Organisation: ___________________________
Address: ___________________________
City: ___________________________
Postal / Zip Code: ___________________________
Country: ___________________________
Phone Number: ___________________________
Fax Number: ___________________________

* Please refrain from using free email accounts when ordering (e.g. Yahoo, Hotmail, AOL)
Payment Information

Please indicate the payment method you would like to use by selecting the appropriate box.

☐ Pay by credit card: You will receive an email with a link to a secure webpage to enter your credit card details.

☐ Pay by check: Please post the check, accompanied by this form, to:
Research and Markets,
Guinness Center,
Taylors Lane,
Dublin 8,
Ireland.

☐ Pay by wire transfer: Please transfer funds to:
Account number 833 130 83
Sort code 98-53-30
Swift code ULSBIE2D
IBAN number IE78ULSB98533083313083
Bank Address Ulster Bank,
27-35 Main Street,
Blackrock,
Co. Dublin,
Ireland.

If you have a Marketing Code please enter it below:

Marketing Code: ____________________________

Please note that by ordering from Research and Markets you are agreeing to our Terms and Conditions at http://www.researchandmarkets.com/info/terms.asp

Please fax this form to:
(646) 607-1907 or (646) 964-6609 - From USA
+353-1-481-1716 or +353-1-653-1571 - From Rest of World