





Auto Track



Q2 FY22





Contents

Foreword	3
Industry overview and recent trends	4
Quarterly domestic sales trend analysis	8
Story of the quarter	11
Auto Inc pushes 'China-plus one' strategy for deep localisation	12
Coverage	14
Reviewing semiconductor shortage impact on Japanese automakers	16
Regulatory updates	21
OEMs mandated to offer bio-fuel vehicles	22
Support to Indian automobile dealerships	23
Conclusion	24

Foreword

The global chip supply crunch has disrupted production across global automotive industries. With no quick solution to the current semiconductor shortage, immediate respite is unlikely and considerable investments into the semiconductor supply chain would be required in the coming years.



Today, the Indian automobile industry is capable of end-to-end development including product design, prototyping, mass manufacturing and selling its products in both domestic and international markets. The industry is one of the largest recipients of foreign direct investment (FDI) with an inflow of USD 24.5 billion in the last two decades, accounting for 5.1% of the total FDI inflows.

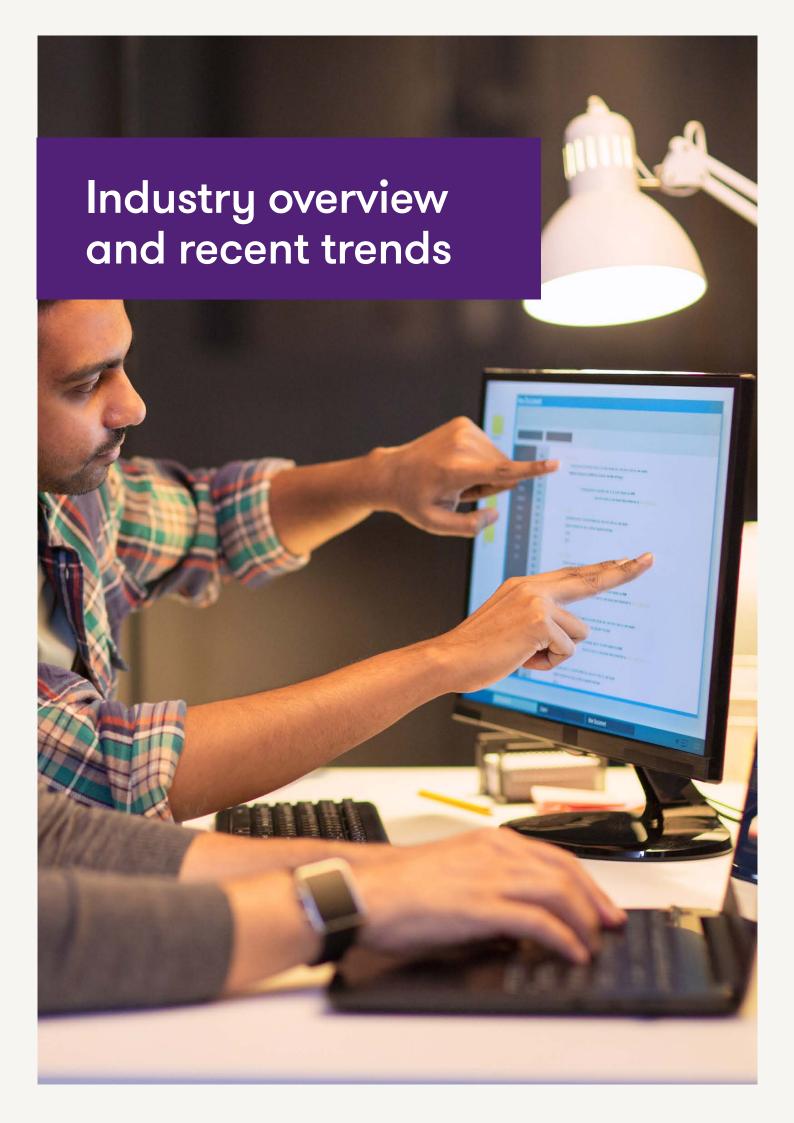
Moreover, the improvements in market sentiment brings a positive growth momentum in the industry, which is clearly visible in the passenger vehicle industry with the stabilisation of macro-economic factors, good monsoons and increase in consumer shift towards personal mobility. The worldwide shift to electric vehicles (EVs) has come out to be one of the most important trends in the industry. On the sales front, despite an increase in year-on-year (YoY) sales, chip shortage as a challenge persists, which is likely to impact vehicle supplies going forward along with potential fuel economy revisions.

Nevertheless, we firmly believe that the country's growth fundamentals are still strong in the medium to long term. India is expected to grow to USD 5 trillion by 2025-26 and to USD 8-10 trillion in the next 10-12 years. India is expected to benefit from its competitive advantage and low-cost manufacturing facilities. We need to make a successful transition to high technology and value-added products, which will act as an important growth driver. Overall, we see a successful transition where the industry would accomplish several notable trendlines this year and in the coming decade.

Saket Mehra

Partner and Automotive Sector Leader Grant Thornton Bharat





Industry Synopsis

The Indian automobile industry is INR 8,200 billion industry



Government notifies PLI scheme for automobile and auto components

15 September 2021

India's central government approved production -linked incentive (PLI) scheme for automobile and auto components with a budgetary outlay of INR 259.38 billion (USD 3.50 billion) in order to boost domestic manufacturing capacity, including the production of electric and hydrogen fuel cell vehicles.

23 September 2021

The PLI scheme for automobile and auto components and its guidelines have been notified in the Gazette of India.

The PLI scheme* for the automotive industry envisages

- to overcome the cost disabilities of the industry to manufacture advanced automotive technology products in India.
- to aid in expanding India's participation in the global supply chain of these advanced automotive technology products by encouraging the local industry to make fresh investments to the tune of INR 425 billion (USD 5.73 billion) over the next five years*. These investments are further expected to translate into an incremental production of over INR 2.3 trillion (USD 30.69 billion).
- to push forward India's transition to clean energy along with accelerating India's share in the global automotive trade (unit production and components).
- to incentivise cost-efficient manufacturing of high value advanced automotive technology vehicles and products like sunroofs, adaptive front lighting, automatic braking, tire pressure monitoring systems, and collision warning systems.

^{*} To be implemented over a period of five years, starting from FY 2022-23.

Shortage of semiconductors: Automobile production takes a hit

With chip demand exceeding the supply, production for many automobile manufacturers and consumer electronics companies across the world has been affected. Manufacturing cannot be increased on short notice and making chips is a complex process that takes months.

Auto sector to be among the most affected by the crisis



Reasons of chip shortage

- Adoption of technologies, such as driver assistance systems and autonomous
- Stronger demand for more advanced chips

driving

 Shortage of raw materials and unavailability of containers

Impact of chip shortage

- Industries face further output cuts and delays
- Increased investment in production capacity
- · Elongated lead times
- Decline in suppliers' delivery time index component of the manufacturing PMI (Purchasing Manager's Index)
- Affect on the profitability of OEMs

Solution for chip shortage

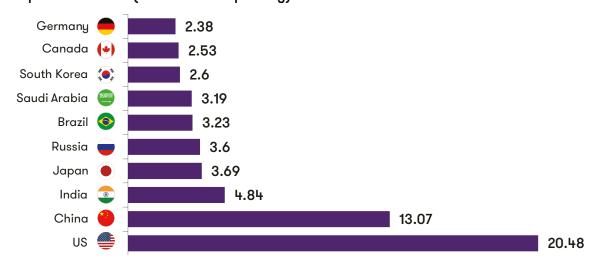
- Chip companies doubling down on capital expenditure plans to capitalise on the growing chip demand and the current supply constraints
- Situation is expected to improve in 2022 gradually

Fuel volatilities: Concerns for economy

The global average price of petrol has doubled over the past 20 years. Fuel prices in India have been hovering at record levels on account of 41 increases in its retail rates since April 2021. High taxes largely contribute to the high cost.

The Reserve Bank of India's monetary policy lowered retail inflation projections to 5.3% from 5.7% for the fiscal year ending March 2022, and warned about the risk of higher fuel prices.

Top oil consumers (million barrels per day)



1 barrel = 42 gallons= 159 Litres

Source: OPEC Annual Statistics | 30 September, 2021

Vehicle scrapping policy-Updates

The Ministry of Road Transport and Highways, Government of India, released a list of incentives and disincentives for the vehicle scrapping policy which is aimed at encouraging the vehicle owners to discard their older vehicles that have higher maintenance and fuel requirements.

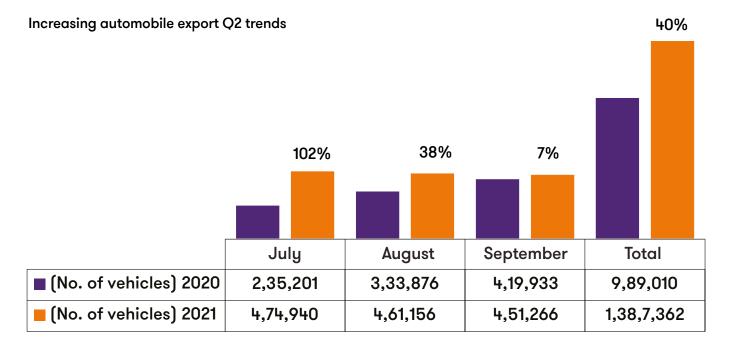


Criteria to determine vehicle fitness would primarily be emission tests, braking, safety equipment, among many other tests, as per the Central Motor Vehicle Rules, 1989.

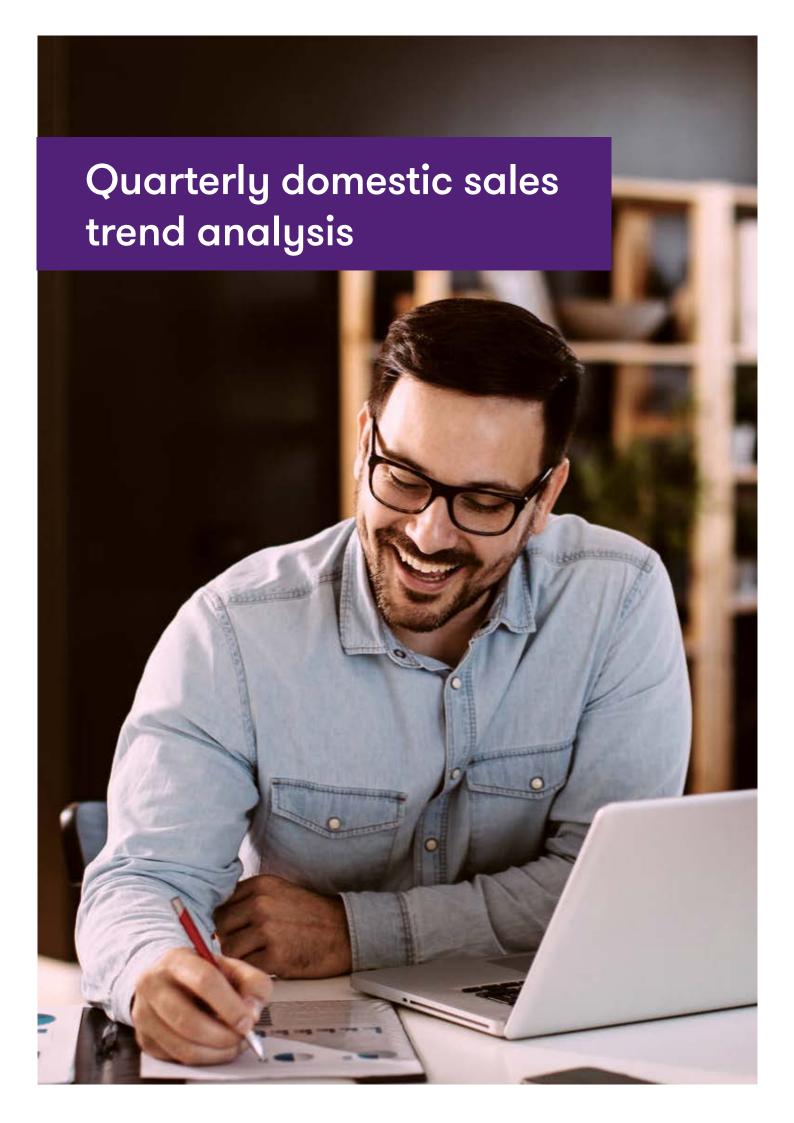
Incentives	Disincentives
Fee waiver for issue of registration certificate for a new vehicle purchased against the Certificate of Deposit (CoD) issued for a vehicle being scrapped	Increase in fee for conducting fitness test and renewal of fitness certificate for motor vehicles more than 15 years old
	Increase in the fitness certification fee for transport vehicles more than 15 years old
	Increase in the renewal of registration fee for personal vehicles (non-transport vehicles) more than 15 years old.

Further extension of the moratorium on loans for dealers

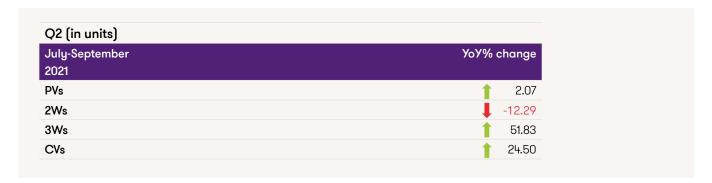
RBI gave borrowers time until 30 September 2021 to approach their lenders to request restructuring of their loans. The lender would have to implement the new moratorium within 90 days by fulfilling all conditions.

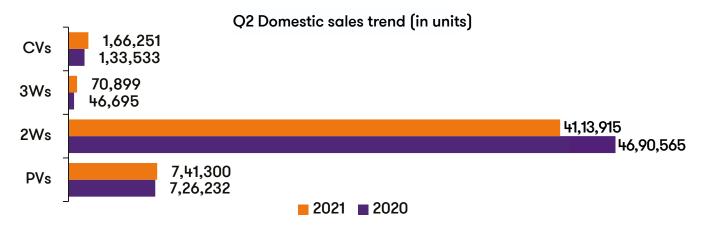


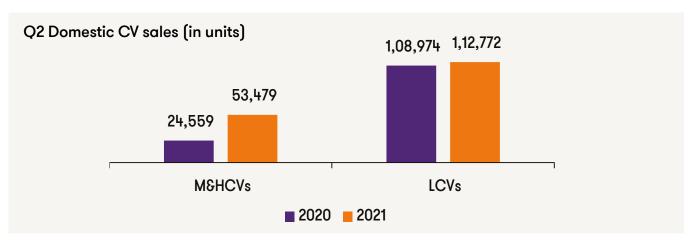
Source: SIAM



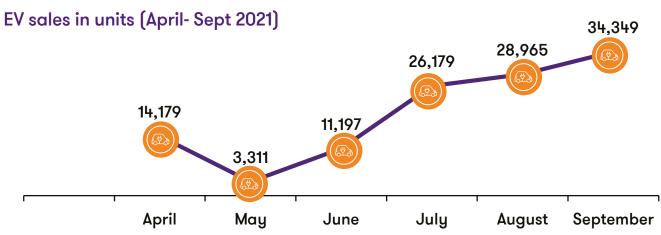
(in units)		July			August			September	
	2020	2021	УоУ % change	2020	2021	УоУ % change	2020	2021	УоУ% change
PVs	182,779	264,442	44.68	215916	232224	7.55	272027	160070	-41.16
2Ws	1281354	1253937	-2.14	1,559,665	1,331,436	-14.63	1849546	1528472	-17.36
3Ws	12728	17888	40.54	14534	23210	59.69	18976	29185	53.80







Note: The sales numbers do not include wholesale volumes of Tata Motors, BMW, Mercedes, and Volvo Auto.

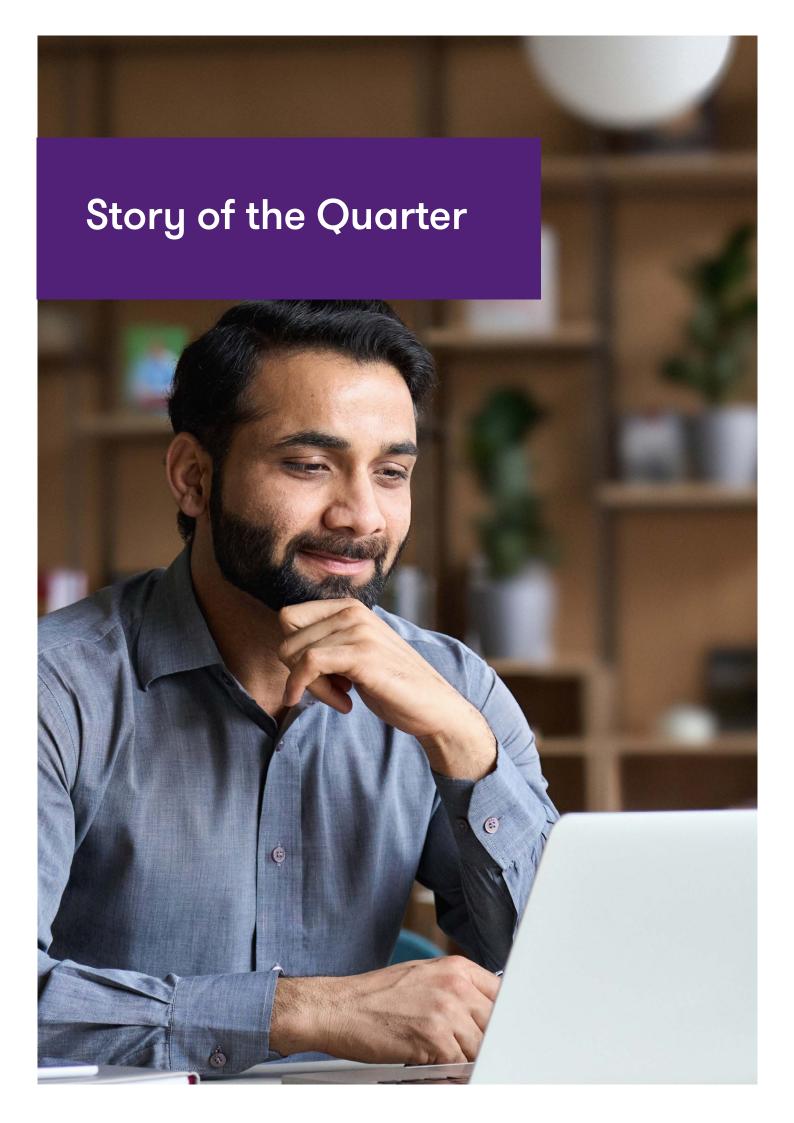


Source: CEEW Centre	for Energy	Finance
---------------------	------------	---------

2021		Impact analysis
July	July Domestic passenger vehicle sales surge 44.6% to 2,64,442 units in July 2021.	July 2021 registered a strong increase in volumes benefitting from the pent-up demand as well as good
	Similarly, electric vehicle sales witnessed a robust growth from 143 units in the same month last year	monsoon that induced rural demand. Companies observed the fear of COVID-19 third
	to 1,270 units in July 2021.	wave loomed large.
	Sales of 2Ws declined to 12,53,937 units (-2.14%) compared to 12,81,354 units sold in the corresponding period of the last financial year. The sales of motorcycles dipped to 837,096 units.	Supply constraints because of semiconductor shortage resulted in higher waiting periods.
August	August Automobile wholesales declined 11% YoY.	The semiconductor shortage hit production
	2Ws dispatches from OEMs to dealers declined by	processes across the industry.
	14.635% while PVs (+7.55%) and 3Ws (+59.69%) wholesales witnessed an increase over August 2020.	While the demand fundamentals for PVs remain strong, growth was constrained by supply
	Motorcycle sales were down 20% and similarly, scooter dispatches declined 1% to 4,51,967 units last month from 4,56,848 units a year ago	chain challenges.
September	Sale of PVs declined by 41.16%.	OEMs curtained production plans.
	In the 2W segment too, sales declined 17.36% to 1,528,472 units. The sales of motorcycles fell 23% to 948,161 units, and those of scooters dropped 7% to 517,239 units.	Demand revival witnessed in the market but supply side challenges with high raw material costs continued.
		The economic damage caused by the second wave of the pandemic kept away consumers in the entry-level
	3Vs sales rose 53.8% to 29,185 units, albeit on a low base.	motorcycle segment, especially in rural markets.

On the sales front, barring the COVID-19 period, the visible impact in H1 2021 was witnessed on all segments		
H1 Sales of	Below	
PVs	2016-17 levels	
2Ws	2011-12 levels	
CVs	2010-11 levels	
3Ws	2000-01 levels	

Source: SIAM



Auto Inc pushes 'China plus one' strategy for deep localisation

Many auto companies are contemplating diversifying their dependence on China and look for alternatives for production/trade. This strategy known as 'China-Plus-One'. The strategy is aimed at providing an efficient supply chain management. It is likely that diversifying the sourcing portfolio from China (either nearshoring or offshoring) would help address challenges among supply chain, logistics or availability of raw materials.

As automakers globally move to clean connected vehicles, there is a need for the component industry to enhance its focus, investments, research and development on all clean powertrain technologies. For this, many multi-national organisations are adding new operations in developing Asian countries like India, Vietnam, Thailand, Bangladesh and Malaysia, remaining open to other new manufacturing opportunities.

India, Mexico and Vietnam are undertaking initiatives and implementing policies that will facilitate their emergence as the new hub for manufacturing. From increasing adoption of technology to relaxation of FDI norms, implementation of reforms in land acquisition, countries are now steadily catching up with the alternative sourcing giants in the world.

As a result, the 'China plus one' strategy, with firms venturing into other Asian nations, has become a popular trend that is likely to continue in the long run. Notably, focus of some firms is likely to remain on China for production for short-term. The Asian countries continue to appeal the multinational firms for building up infrastructure and production capacity.

Is the strategy working?

For now, the 'China plus one' strategy is working for some companies. One key determinant of how sustainable the trend will be, is how quickly infrastructure can be built to accommodate more firms moving into other nations. However, companies that do choose to diversify into Southeast Asian nations will continue to take advantage of the varied and easily accessible suppliers from other Asian nations.

In addition, the recently signed Regional Comprehensive Economic Partnership (RCEP) will allow firms with supply chains distributed among several Asian nations to take advantage of common rules of origin for the entire bloc. This will allow RCEP countries to use only a single certificate of origin.

Indian scenario

In the light of 'China plus one' strategy for India, auto and auto component industries could work together in developing technologies and take advantage of the global market while leaving imprints on the global value chain. In order to develop India as a sourcing hub; the domestic industry needs to move as close as possible to 'Carbon Net Zero' with local manufacturing. The government has taken further steps in the same direction with the announcement of PLI schemes for multiple sectors like textiles, electronics, automobiles and at the same time, has raised import duties on some products. Some other initiatives from the government's end include reduction in corporate tax rates, push for Aatmanirbhar Bharat, and others policies that will incentivise domestic production.

The Society of Indian Automobile Manufacturers (SIAM) and the Automotive Component Manufacturers of India (ACMA) have identified 12 key components with localisation potential, seeking to cut imports by 15-20% or INR 34,400 crore over a period of five years.

Favourable factors of production towards a strong business ecosystem

- Increased value addition
- De-risk local manufacturing
- Investment in innovative technology
- Conducive business environment
- Incentivising government policies

Shifts in supply chain



India introduced the production-linked incentive scheme.

This factor contributed to attracting some companies to set up manufacturing plants in India.

Expansion of existing facilities



Low-cost labour and lower logistics expenses are the key factors drawing large organisations to diversify.

Availability of raw materials



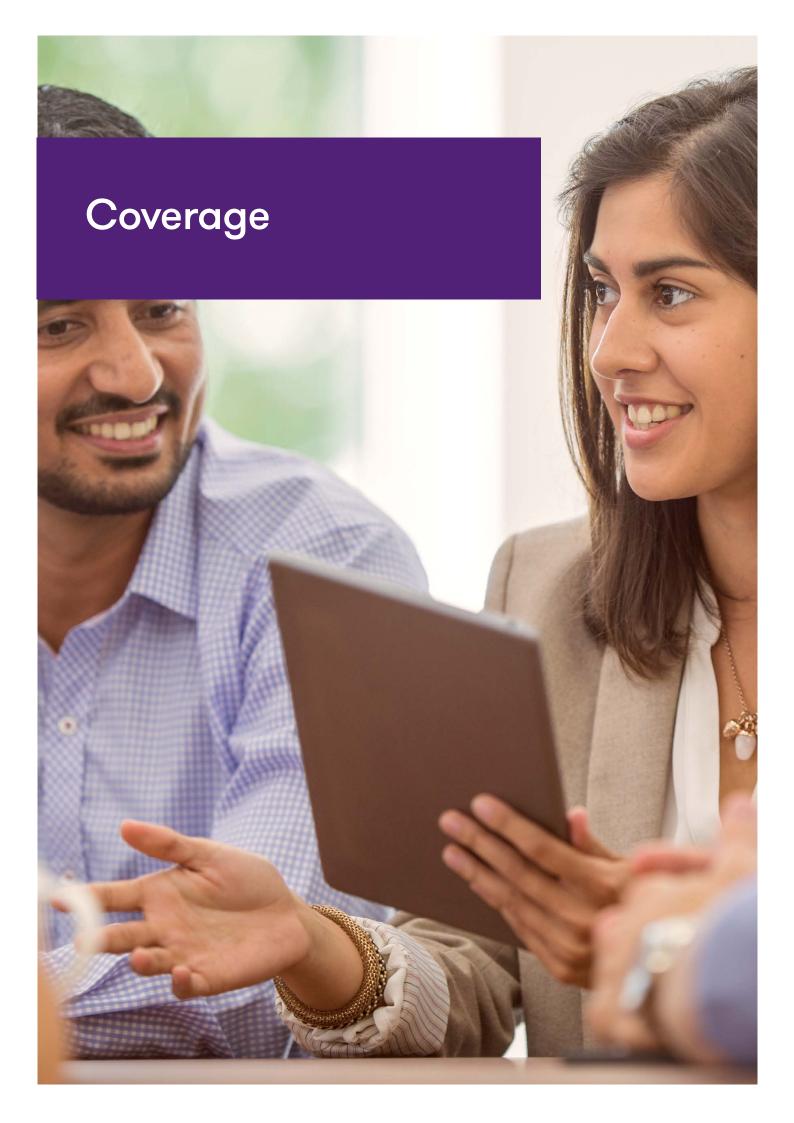
Easy availability of raw materials is a key concern; scarcity of which forces manufacturers in several industries to rely on imports to produce goods.

Technology adoption and automation



Many organisations have already taken the initiative and invested in Industry 4.0 Center of Excellence- to invite businesses looking for alternative locations to China.



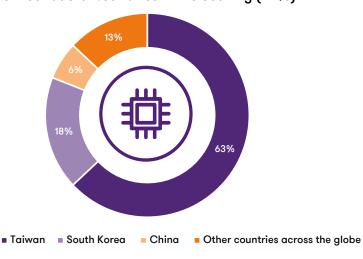


Semiconductors are an integral part of all kinds of sensors and controls in any vehicle. They are silicon chips that cater to control and memory functions in automobiles along with various other electronic items. The shortage of these silicon chips (a crucial component) has been impacting the automotive industries, further forcing them to cut down on production. This continues to be a challenge in the Indian market.

Semiconductor industry

Size	USD 439 billion
Epicenter	Taiwan
Integral part of manufacturing supply chains	Vietnam, South Korea and China
Indian auto industry	Accounts for 10% of the overall semiconductor demand

Semiconductor foundries in the country (in %)





OEMs can turn this supply constraint into a big opportunity as demand for the technology-based equipment has increased manifold in various sectors alongside the automotive segment. It is yet to be seen whether OEMs will develop and/or manufacture their own chips.

Few developments in the semiconductor supply chain

India: The Ministry of Electronics and Information Technology (MeITy)	Drawn up the Scheme for Promotion of manufacturing of Electronic Components and Semiconductors (SPECS).
The US Government	Offered USD 2 trillion infrastructure investment package including USD 50 billion for the semiconductor industry.
South Korean Government	Announced a massive USD 451 billion investment to help companies boost production of semiconductors.



Reviewing semiconductor shortage impact on Japanese automakers

The global shortage of semiconductor chips has greatly affected a number of Japanese companies. Similar to India, Japan, homeland for major automobile manufacturers, also felt the heat as semiconductor shortage impacted production. As Japan's biggest automakers report depressed earnings, investors looking for trading cues are tuned into any assessment of the future impact of a global chip shortage that has shaken-up the production.

Suspended production

Japan's dependence on East-Asian countries as supplier of advanced semiconductors is high and securing future supplies of the essential components is becoming increasingly critical.

Thus, Japanese automobile manufacturers suspended production operations across factories in the world followed by decreased production during Q2 2021, as they could not purchase the sufficient semiconductor and auto parts from suppliers. Toyota, Honda, Nissan, Suzuki are among some original equipment manufacturers (OEMs) that have scaled down output.

The shortage has resulted in an increased lead-time from six weeks in July to a record high of 21 weeks in August. Following this, production cutbacks were witnessed in the Japanese automotive industry.

Impact on the vehicle production of Japanese automobile companies

ОЕМ	Issues
Toyota Group	 The global production of Toyota Group including Daihatsu Motor and Hino Motors in Q2 of 2021 decreased to 20,42,257 units with reduction rate of 13.4% from the same quarter in the last year. Toyota Group could not source the sufficient auto components from South East countries and halted 27 factories in Japan in August and September 2021 temporarily.
Nissan	 Nissan decreased the global production by 1,93,848 units in Q2 of 2021 compared with the same quarter in 2020. The production in China, the US, Mexico significantly went down and the reduction rate of the production in China, US, Mexico was recorded at 17.4%, 39.8%, 19.2% in August 2021, respectively. The Nissan factory in Tennessee region of the US shutdown for two weeks in August 2021 as the Nissan factory could not import the semiconductor from the supplier in Malaysiaⁱ.
Honda	 Honda also reduced the global production by 3,56,190 units to 9,29,413 units in Q2 of 2021. In August and September 2021, the shortage of semiconductor and lockdown in the South East Asian countries affected the production of Honda Japan and the company halted the factory operations and adjusted the production volume. The utilisation rate of the factory in Japan in August and September 2021 was around 40% ii.
Suzuki	 The overseas production of Suzuki in July 2021 increased with growth rate of 48.6% because of significant increase of the production in India, Indonesia, Thailand and Pakistan. However, it is currently estimated that the total vehicle production volume in India in September 2021 could be around 40% of normal production owing to a supply constraint of electronic components due to the semiconductor shortage situationⁱⁱⁱ. Besides, the factories in Japan suspended the operation temporarily and decreased the production by 30% in Q2 of 2021.

ⁱ 12 August 2021, The Yomiuri Shimbun, URL: https://www.yomiuri.co.jp/economy/20210812-OYT1T50187/

The automobile production of Japanese companies in Q2 2020 vs Q2 2021



ⁱⁱPress release, 14 September 2021, Honda Motor Co., Ltd.

iii Press release, 31 Aug 2021, MARUTI SUZUKI

Securing supply-chain globally

In fostering semiconductor production, the quad alliance India, Japan, China and Australia has joined hands to secure supply chains. It is imperative to have bilateral investment agreements that would include tariff reductions on dozens of products which are used to make semiconductors. It has become vital to share national interests to have resilience, diversity and security in supply chains.

The semiconductor shortages are likely to cost the auto industry USD 210 billion in revenues this year, which when translated into volumes means production of 7.7 million units will be lost in 2021.

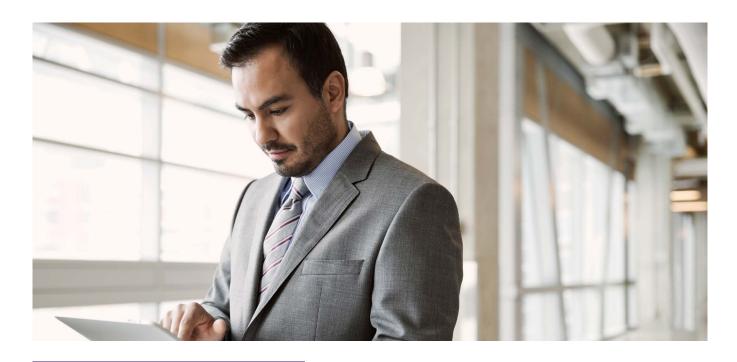
India-Japan relationship

India and Japan incubated alternative solutions to pandemic problems together, be it the India-Japan-Australia Resilient Supply Chain Initiative (RSCI) or the Quad's Vaccine Partnership.

Japan has emerged as an enabling force in key nation building initiatives with India aspiring to be a leading power in a multipolar world, sourcing technology, investments, and development assistance to modernise its economic foundation.

While the RCSI is mapping knowledge gaps in supply chain structure, it's a steep learning curve as India tries to plug into the global manufacturing ecosystem. Production-linked incentives (PLI) are expected to make manufacturing competitive. While Japanese companies have projected a few 'Make in India' success stories, they continue to favor Southeast Asia as witnessed during recent subsidy-supported diversification following the pandemic. Thus, overall, the cultural gaps need to be narrowed down at a greater scale.

Additionally, the Quad's Semiconductor Supply Chain Initiative needs to be effectively leveraged along with cooperation with other players like Taiwan and South Korea to collectively create a robust ecosystem.





USA

- USA leads the R&D intensive areas like Electronic Design Automation (EDA), Core IP, Logic.
- USA has the most prestigious universities and ecosystem of knowledge, fund and human resource to create the innovation.

EACs

 East Asian countries (EACs) like China, Taiwan, South Korea and Japan have strength on these areas and have the share of 73% for Materials and 72% for Wafer fabrication.

China and Taiwan

 In terms of capacity location outsourced semiconductor assembly and testing (OSATs) firms, China and Taiwan account for more than 60% of the world's assembly, packaging and testing capacity.

Malaysia

 Recently OSAT firms have also started to diversify their own global footprint, building new capacity in other locations with low labour costs such as Malaysia.

Data Source: BCG & SIA (2021)

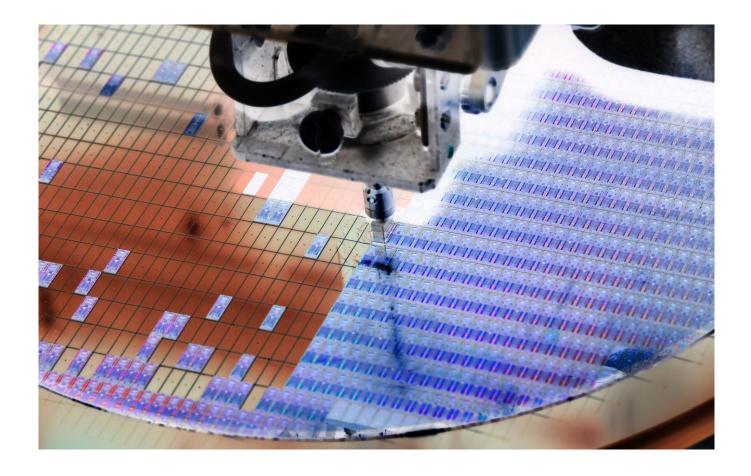


Possible resolution for the shortage

The chip shortage has created a ripple effect while impacting businesses across the value chain as OEMs and their suppliers scout for chip sources. Both the auto players and the semiconductor manufacturers need to align their short and long-term strategies to overcome this supply-chain disruption.

While these OEMs cut down their production, many manufacturers (globally) resorted to dropping off features which require chips and customers are likely to overlook. For instance, Stellantis shipped some pickup trucks without an Electronic Detection System which looks out for blind spots. Similarly, Tesla removed the adjustable lumbar support from the front passenger seat of some vehicles.

To stride through the semiconductor shortage, the auto manufacturers are also trying to prioritise what to manufacture and shift chips away from their less profitable vehicles and using them in the more profitable and popular models.



Notable initiatives

- In the US, the Biden administration rolled out USD 2 trillion infrastructure investment package which includes USD 50 billion for the semiconductor industry.
- The South Korean government too announced a massive USD 451 billion investment to help companies boost production of semiconductors. Countries need to park a corpus for meeting the component shortage on similar lines.
- The Japanese government is likely to subsidise up to half of Taiwanese behemoth Taiwan Semiconductor Manufacturing Company (TSMC's) estimated 1-trillion-yen (USD 8.82 billion) investment for building a chip plant in Kumamoto, southern Japan expected to produce semiconductors for automobiles.

The strategies could be in line with global players

	Solutions
Long-term	 Creation of duplicate supply chains and building surplus capacity Need for shifting manufacturing within their countries and becoming self-reliant. Have own engineering teams to design and develop the electric products with same function but less semiconductors
Short-term	 Reconsider 'just in time approach' and keep the affordable inventories Adopt the long-term agreements of 12 months to 18 months Change the payment terms to upfront payments Developing robust analytics team to match demand and supply; acting as enablers to provide clear inputs for internal communication (between suppliers and customers)



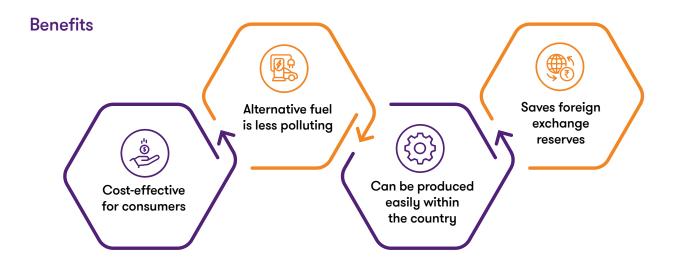
OEMs mandated to offer bio-fuel vehicles

India aims to run on biofuels and OEMs would offer vehicles with flexible engines

The automakers are encouraged to focus on rolling out flexible-fuel vehicles (FFV) within a year. FFVs can run equally on both biofuels and fossil fuels.

Further, expanding the use of alternate fuel options for vehicles, Indian government looks at making green hydrogen an important fuel alternative to petrol, diesel and electric vehicles. India to be the leading auto manufacturing hub in the world offering vehicles with all the fuels for the world in the coming five years.

The recently launched vehicle scrappage policy will help in sourcing of raw materials



Our View

There have been recurring transformations in the auto industry with government wanting OEMs to switch to EVs, CNG-powered vehicles and FFVs at large. In order to drive in alternate fuel options for vehicles, the stage is also set for hydrogen fuel cell-powered vehicles, however, the industry-readiness is yet to be seen towards utilisation of hydrogen as a fuel for transportation.

Also, the planned transition to EVs over the next few years is quite encouraging coupled with a strong push for 100% ethanol vehicles. In such scenario, the petrol prices would bound to soar higher in the next few years. The phased manner will eventually push the petrol vehicles out and lead to decrease in consumer preference to purchase a petrol vehicle.

The government is also expected to promote ethanol as the preferred fuel for all those who still cannot afford an EV. Thus, looking at the time provisioning to OEMs, the mandate is expected to be announced in next six months.

In light of the abrupt exit of major OEMs, there is a high need of a more balanced and comprehensive legal provisions to maintain the OEM dealer statutory relationships; wherein clauses on termination, indemnification, repurchase obligations needs to be explicitly explained and implemented under the umbrella of drafted and enacted law. The situation would help dealers in protecting their interest, recover heavy investments and afford more flexibility in dealing with inadvertent termination of business by OEMs.

Support to Indian automobile dealerships

Government may consider introducing an Automobile Dealers' Protection Act to support automobile dealerships

In India, automobile dealerships are predominantly family-owned or partnership firms that are small or medium enterprises. Such firms do not have any bargaining power

with automobile giants of the world. As the existing laws are not adequate to protect their interests, automobile dealerships face unprecedented difficulties.

A large untapped Indian market is created when large foreign OEMs shut operations in the country

ОЕМ	Year of exit	Years of operations in India	Reasons for exit
General Motor (GM)	2017	21 years	GM was not able to survive in the Indian market. Share of customers shrank from 4.7% in 2010 to about 1% in 2016. With less than 1% car sales in the country, the company decided to exit.
Volkswagen owned- MAN Trucks	2018	15 years	Formed a joint venture with Pune's Force Motors
UM Lohia	2019	2 years	Dispute with its domestic joint venture partner Lohia Auto
Harley Davidson	2020	9 years	Weak sales
Ford	2021	26 years	Recorded a USD 2 billion restructuring charge. The state of loss in the domestic market continues.



Conclusion

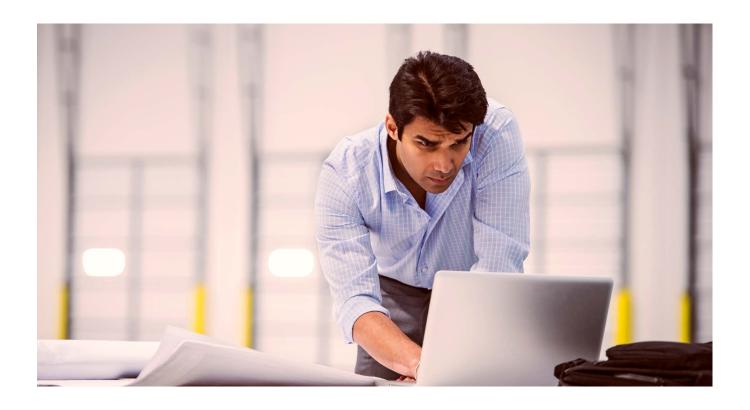
Challenges for the Indian automobile industry continue to persist. While on one hand, we see a revival in vehicle demand, on the other hand, high commodity prices and semiconductor crunch has aggravated problems for auto manufacturers which is causing a major concern for the industry per se.

The increasing price of commodities in India has resulted in record-high prices for new and used vehicles in the country. It is expected that these high prices are likely to remain as such in the next year as well and may not reinstate until 2023. As far as semiconductor shortage is concerned, domestic manufacturing has turned out to be a key solution. However, can India really take on chip manufacturing remains a question. To rely on domestic manufacturing to fulfill semiconductor needs, the country may have to wait before chips are manufactured here. For now, the country's journey in the semiconductor sector is more likely to start with assembly, testing, marking, and packaging (ATMP) and specialty fabs.

In context to the efforts made by the government to become a self-reliant economy, the Indian automobile and manufacturing sector is expected to boost India's FDI for the current year on the back of production-linked incentive (PLI) scheme, which is designed to incentivise domestic manufacturing and thereby, aimed at increasing exports.

Moreover, India being the sixth-largest economy in the world is characterised by an exponential consumer base, making it desirable to potential investors where India's cost base is a great advantage. With the help of all such factors, India can also become a centre for auto design and engineering services.

Overall, on the back of all said developments, relaxed policies and investor-friendly reforms, India truly offers a conducive ambience for foreign investments in the near future.



About Grant Thornton Bharat

Grant Thornton Bharat is a member of Grant Thornton International Ltd. It has 5,600+ people across 14 offices around the country, including major metros. Grant Thornton Bharat is at the forefront of helping reshape the values in our profession and in the process help shape a more vibrant Indian economy. Grant Thornton Bharat aims to be the most promoted firm in providing robust compliance services to dynamic Indian global companies, and to help them navigate the challenges of growth as they globalise. Firm's proactive teams, led by accessible and approachable partners, use insights, experience and instinct to understand complex issues for privately owned, publicly listed and public sector clients, and help them find growth solutions.



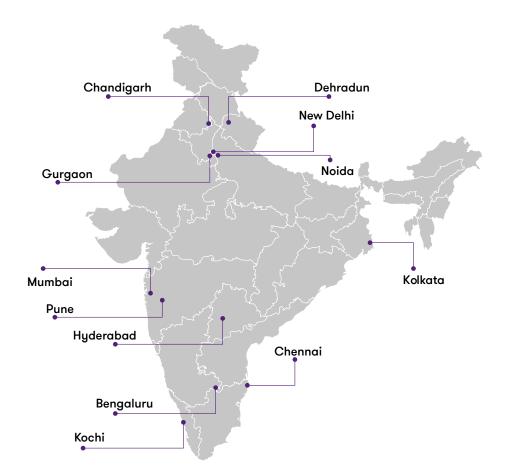
5,600+ people



14 offices in12 locations



One of the largest fully integrated Assurance, Tax & Advisory firms in India



Acknowledgements

For further enquiries write to

Saket Mehra

E: saket.mehra@in.gt.com

For media enquiries, write to

media@in.gt.com pratishtha.nangia@in.gt.com

Author

Priyanka Mehra

E: priyanka.mehra@in.gt.com

Editorial review Design Pratishtha Nangia Aditya Deshwal

Ministry of Road Transport and Highways (MoRTH) Press Information Bureau, Government of India **OPEC Statistics** International Energy Agency (IEA)

Federation of Automotive Dealers Association (FADA) Material Recycling Association of India IBB- CNB

ET Auto



Contact us

To know more, please visit www.grantthornton.in or contact any of our offices as mentioned below:

NEW DELHI

National Office, Outer Circle, L 41, Connaught Circus, New Delhi - 110001 T +91 11 4278 7070

NEW DELHI

6th Floor, Worldmark 2, Aerocity, New Delhi - 110037 T +91 11 4952 7400

BENGALURU

5th Floor, 65/2, Block A, Bagmane Tridib, Bagmane Tech Park, CV Raman Nagar, Bengaluru - 560093 T+91 80 4243 0700

CHANDIGARH

B-406A, 4th Floor, L&T Elante Office Building, Industrial Area Phase I, Chandigarh - 160002 T +91 172 4338 000

CHENNAI

9th floor, A wing, Prestige Polygon, 471 Anna Salai, Mylapore Division, Teynampet, Chennai - 600035 T +91 44 4294 0000

DEHRADUN

Suite No 2211, 2nd Floor, Building 2000, Michigan Avenue, Doon Express Business Park, Subhash Nagar, Dehradun - 248002 T +91 135 2646 500

GURGAON

21st Floor, DLF Square, Jacaranda Marg, DLF Phase II, Gurgaon - 122002 T +91 124 462 8000

HYDERABAD

7th Floor, Block III, White House, Kundan Bagh, Begumpet, Hyderabad - 500016 T +91 40 6630 8200

косні

6th Floor, Modayil Centre Point, Warriam Road Junction, MG Road Kochi - 682016 T +91 484 406 4541

KOLKATA

10C Hungerford Street, 5th Floor, Kolkata - 700017 T +91 33 4050 8000

MUMBAI

11th Floor, Tower II, One International Center, SB Marg Prabhadevi (W), Mumbai - 400013 T +91 22 6626 2600

MUMBAI

Kaledonia, 1st Floor, C Wing, (Opposite J&J Office), Sahar Road, Andheri East, Mumbai - 400 069

NOIDA

Plot No 19A, 2nd Floor, Sector - 16A, Noida - 201301 T +91 120 485 5900

PUNE

3rd Floor, Unit No 309-312, West Wing, Nyati Unitree, Nagar Road, Yerwada Pune - 411006 T +91 20 6744 8800

Follow us @GrantThorntonIN

© 2021 Grant Thornton Bharat LLP. All rights reserved.

"Grant Thornton Bharat" means Grant Thornton Advisory Private Limited, the sole member firm of Grant Thornton International Limited (UK) in India, and those legal entities which are its related parties as defined by the Companies Act, 2013, including Grant Thornton Bharat LLP.

Grant Thornton Bharat LLP, formerly Grant Thornton India LLP, is registered with limited liability with identity number AAA-7677 and has its registered office at L-41 Connaught Circus, New Delhi, 110001.

References to Grant Thornton are to Grant Thornton International Ltd. (Grant Thornton International) or its member firms. Grant Thornton International and the member firms are not a worldwide partnership. Services are delivered independently by the member firms.