

# Company Profile

## DMC Automotive Pvt Ltd

Mar, 2024



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# Company overview

## Company Name

- DMC AUTOMOTIVE PVT.LTD.

## Address

- No.5, Othappai Village, Uthukottai Taluk, Thiruvallur District 602 023 Tamilnadu.

## MD

- Mr. Jin Young Yun

## Establishment

- 03. 11. 2006

## Capital

- USD 9,300,000

## Scale

- Land : 17,320m<sup>2</sup>
- Building Area : 5,550m<sup>2</sup>

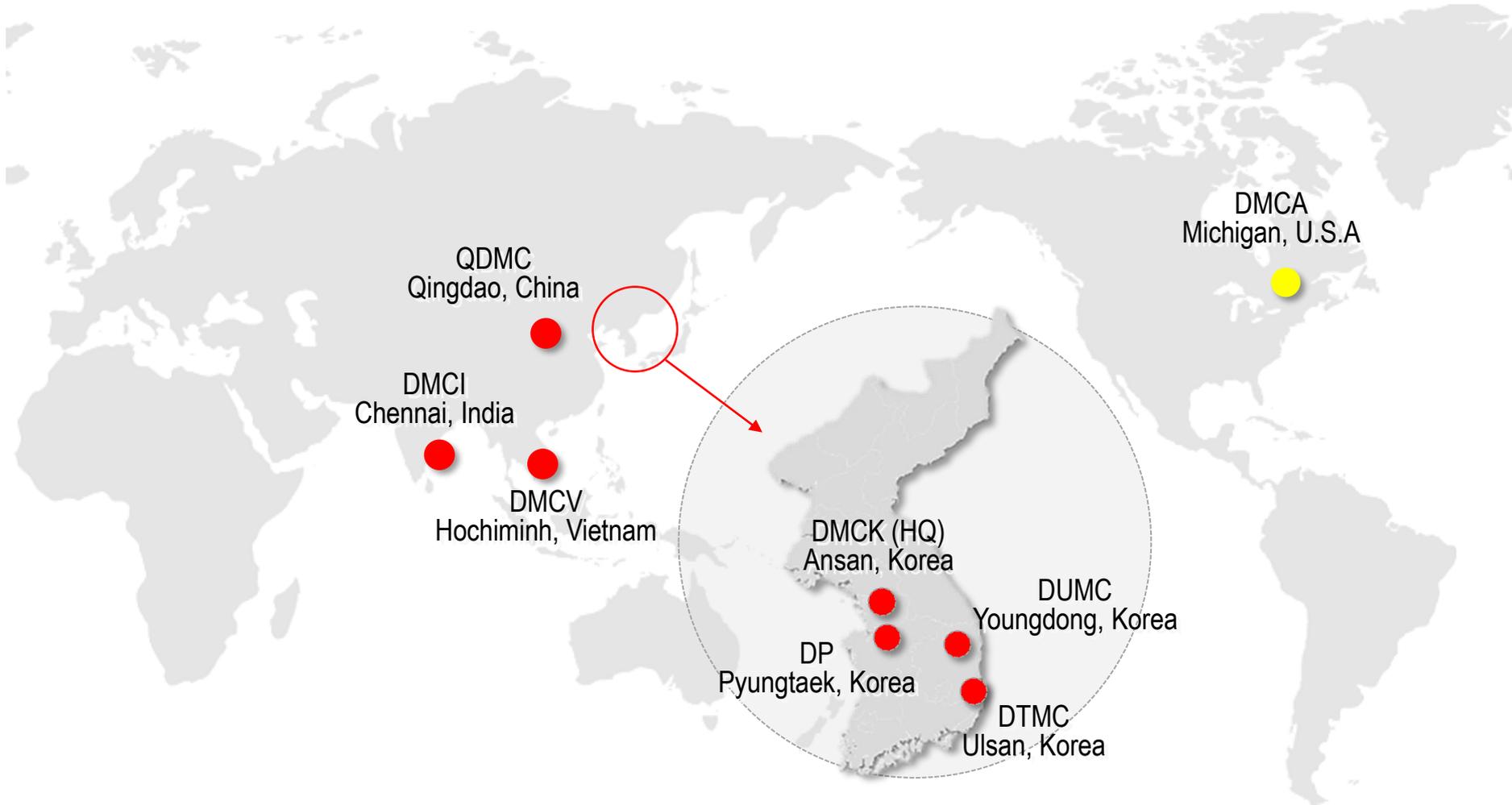
## Major Product

- Cylinder Head Gaskets ,Cam cover Gasket
- Rubber Sealing's for Automobiles.
- Plastic Injection, Plastic Spray Coating, Laser , Pad Print
- Audio Panel Assy.

# Company history



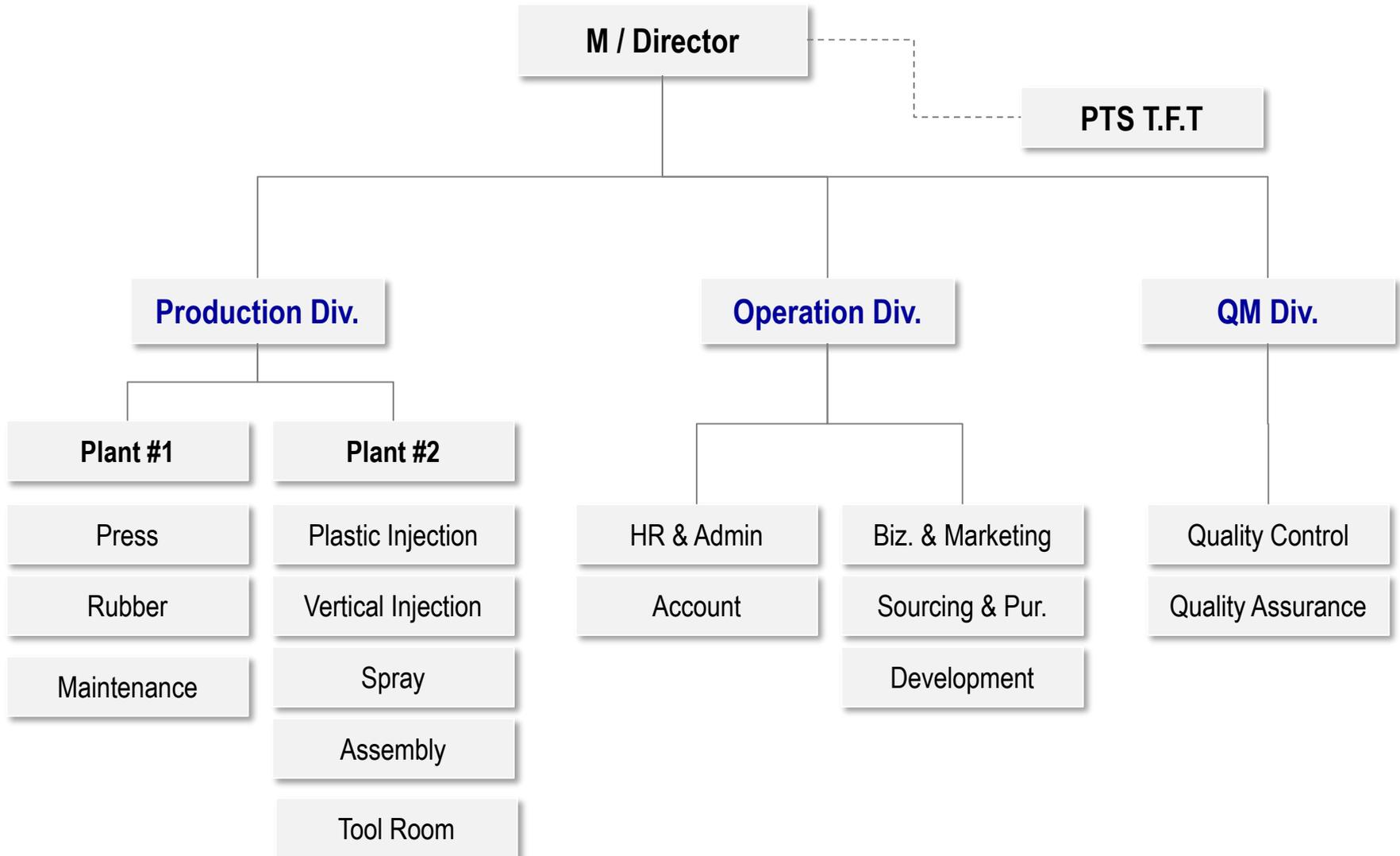
# Global network



- : Branch & Factory
- : Sales Rep.

# Organization

## 3 Divisions & 15 teams



# Factory Outlook



# Major clients



# Products – Major Parts

## Steering System



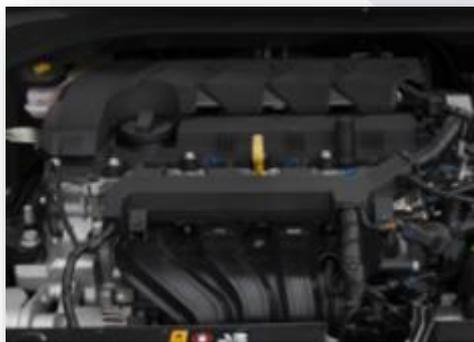
- Driver Air Bag
- Remo-con Button
- Bezel

## Power window system



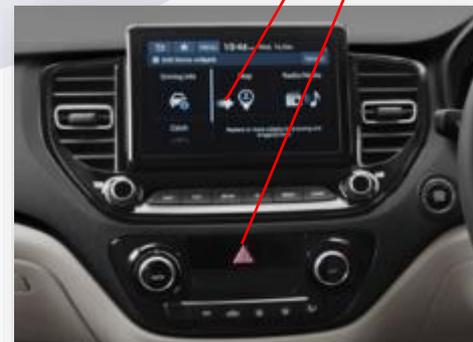
Button

## Engine block and cover

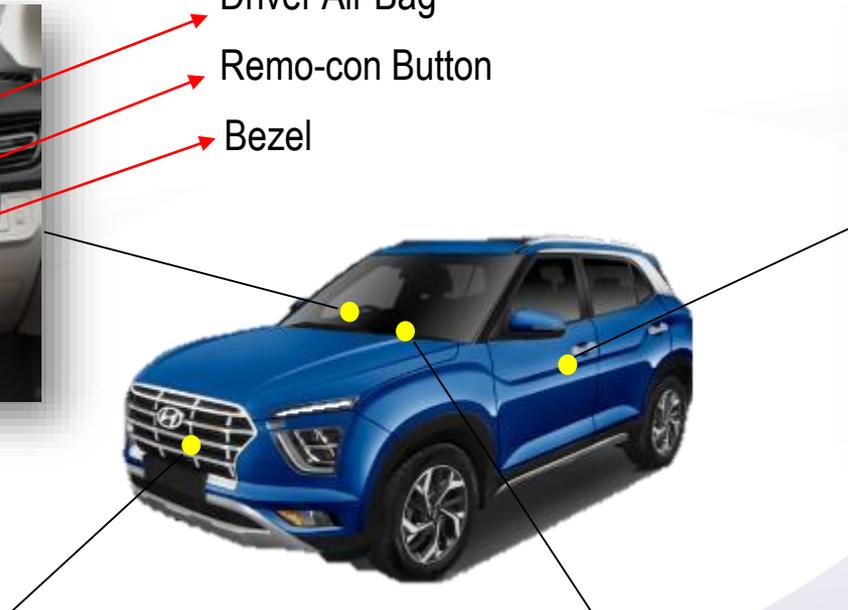


- Cylinder head gasket
- In'mani gasket
- Exh'mani gasket
- Gasket cylinder head cover

## Center Facia



- Audio Panel / Buttons
- Hazard / Blanking Button



# Products – Press / Rubber

## Press



- Cylinder Head Gasket



- Exh. manifold Gasket

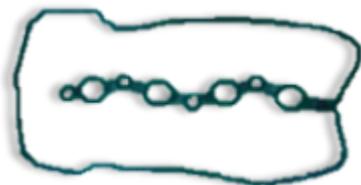


- Muffler Gasket



- Audio Main Chassis / Heat sink

## Rubber



- Cylinder Head Cover Gasket



- Seal port / Seal Etc.



- Boot / Valve

# Products – Plastic / Spray & Assembly

## Plastic



- Bezel / Airbag cover

- Insert Injection  
(Terminal/Air filter/Lever Locking)

- Brake parts

## Spray & Assy



- Audio Panel Assembly

- Switches / Buttons

# Process

## Press



## Injection



## Spray & Assy



## Final Inspection



# Machineries – Press/Rubber

## ❖ Press

300T	250T	400T	160T	110T	80T	50T	Total
1	2	1	1	2	1	2	10

Auto tapping	Auto screwing	Ultrasonic washing
3	2	2

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## ❖ Rubber

400T	250T	100T	Total
3	6	1	10

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Rubber mixing
1

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# Machineries - Injection

## ❖ Plastic & Insert Injection



### Horizontal

320T	280T	250T	200T	160T	130T	120T	110T	80T	40T	Total
2	1	3	1	1	1	1	3	5	2	20

### Vertical

150T	120T	100T	75T	Total
4	1	1	1	7



# Machineries – Spray/Assembly

## ❖ Spray Lines

Auto	Manual	Total
3	1	4

## ❖ Assembly Lines

Pad	Laser	Vision	Auto Screw	Auto Grease
2	4	2	2	2



▣ Pad printing



▣ Laser



▣ Vision Tester



▣ Auto Screw



▣ Auto Grease

# Machineries - Tooling



■ **Surface Grinder**  
- Bed Size : 470 X 200mm  
- Tolerance : 0.001 - 0.04mm

■ **Work space**



■ **EDM Machines**  
- Bed Size : 650 X 350mm  
- Tolerance : 0.02mm  
- Capacity : 20kW



■ **Tapping Machine**  
- Bed Size : 280 X 280mm  
- Tolerance : 0.02 - 0.05mm



■ **Milling Machines**  
- Bed Size : 1370 X 280mm  
- Tolerance : 0.02mm



■ **Drilling Machine**  
- Bed Size : 350 X 350mm  
- Tolerance : 0.02 - 0.05mm



■ **TIG WELDER**  
- Capacity : 2.5kW



■ **SPOT WELDER**  
- Capacity : 2.5kW

# Validation & Reliability Equipment – PRESS Section



■ **Vertical Measurement System**  
- Size : 400 X 300mm  
- Accuracy : 0.001mm

## ■ Press Shop Lab



■ **Coordinate Measurement Machine**  
- Size : 500 X 400 X 300mm  
- Accuracy : 0.0001mm



■ **Contracer (Bid height)**  
- Height Range : 0 - 100mm  
- Accuracy : 0.001mm



■ **Universal Testing Machine**  
- Capacity : 100kg



■ **Spring Load Tester**  
- Capacity : 2kN

# Validation & Reliability Equipment – Spray Section

## Paint Shop Lab



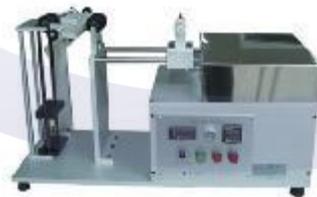
- **UV Cabinet**
- Size 450 X 300 X 500mm
- 2 stages
- UV-B Lamp, 15W



- **Pencil Hardness Taster**
- Measurement area : 150 X 100mm
- Load : 750g, 1,000g



- **Water Bath**
- Inner Size : 330 X 300 X 150mm
- Temp. Range : 5°C - 99°C
- Capacity : 11L
- Heater Capacity : 1200W



- **Abrasion Tester**
- Stroke : 120, 150, 200mm
- Speed : 60 cycle/min
- Load : 500g, 1,000g



- **Moisture Analyzer**
- Weighing capacity : 35g
- Accuracy : 1mg, 0.01%
- Temp. Range : 40°C - 160°C



- **Rubbing Tester**
- Size : 530 X 380 X 500mm
- 3 stages
- Load : 500g, 1,000g
- Speed : Max 60 cycle/min

# Validation & Reliability Equipment – Spray Section



- **Handheld Particle Counter**
- Channel Size : 0.3, 0.5, 5.0 $\mu$ m
- Flow rate : 2.83lpm (0.10cfm)
- Counting Efficiency : 50 $\pm$ 20%



- **Chroma Meter**
- Measurement / illumination :  $\Phi$ 8/ $\Phi$ 11
- Repeatability :  $\Delta E^*ab$ 0.07
- Color difference target : 100
- Calibration Channels : 20 channels



- **Digital Electrostatic Field meter**
- Measuring range(static): 0  $\pm$  1.49kV
- Distance : 25  $\pm$  0.5mm
- Accuracy :  $\pm$ 10%
- Ambient conditions : 10°C - 40°C / 60% RH



- **Air Velocity Meter**
- Range : 0 - 20m/s
- Accuracy :  $\pm$ 0.025m/s
- Temperature : -18 - 93°C



- **Coating Thickness Meter**
- Range : 0 - 1,500 $\mu$ m
- Accuracy :  $\pm$ (1 $\mu$ m + 1%) 0 - 50 $\mu$ m
- $\pm$ (2 $\mu$ m + 1%) above 50 $\mu$ m



- **Temperature Data Logger**
- Channel : 6 numbers
- Accuracy :  $\pm$ 0.5°C
- Range : 0.1°C at 0 - 400°C
- Sampling Interval : 0.1 sec - 24hrs

# Validation & Reliability Equipment – Spray Section



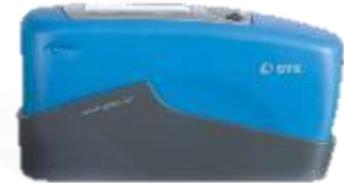
## ■ Viscometer

- Cross cut width : 1mm / 2mm
- No. of teeth : 11 / 6



## ■ Ford cup

- Diameter : 4.1mm / 5.8mm
- Range : 70 - 370cSt / 200 to 1,200cSt
- Time range : 30sec - 100sec



## ■ Micro gloss

- Range : 0 - 2,000GU(20°)
- 0 - 1,000GU(60°)
- 0 - 160GU(85°)
- Response time : 0.5sec



## ■ Melt Flow Index(MFI)

- Temp. range : 0 - 400°C
- Accuracy :  $\pm 0.1^\circ\text{C}$
- Resolution : 0.1°C



## ■ Viscometer

- Range : 40 - 141 KU(32 to 1,090g)
- Accuracy :  $\pm 1\%$
- Repeatability :  $\pm 0.5\%$
- Spindle Speed : 200rpm



## ■ LUX meter

- Range : 0 - 200,000Lux
- Accuracy :  $\pm 2\%$
- Response time : 0.3sec
- Sensor : High precision silicon photo cell

# Quality certificate



**Certified in Dec, 2020**



**Certified in Nov, 2019**



**Certified in Nov, 2019**



# Award from Customers



**HMI**  
Excellence Supplier(2015')



**HMI**  
Excellence Supplier(2016')



**HYUNDAI 5STAR**  
(2017' 4.5STAR)



**GMI**  
Quality Excellence Award  
(2014')



**GM**  
Quality Excellence Award  
(2015')

Customer  
Satisfaction

***Thank you***

