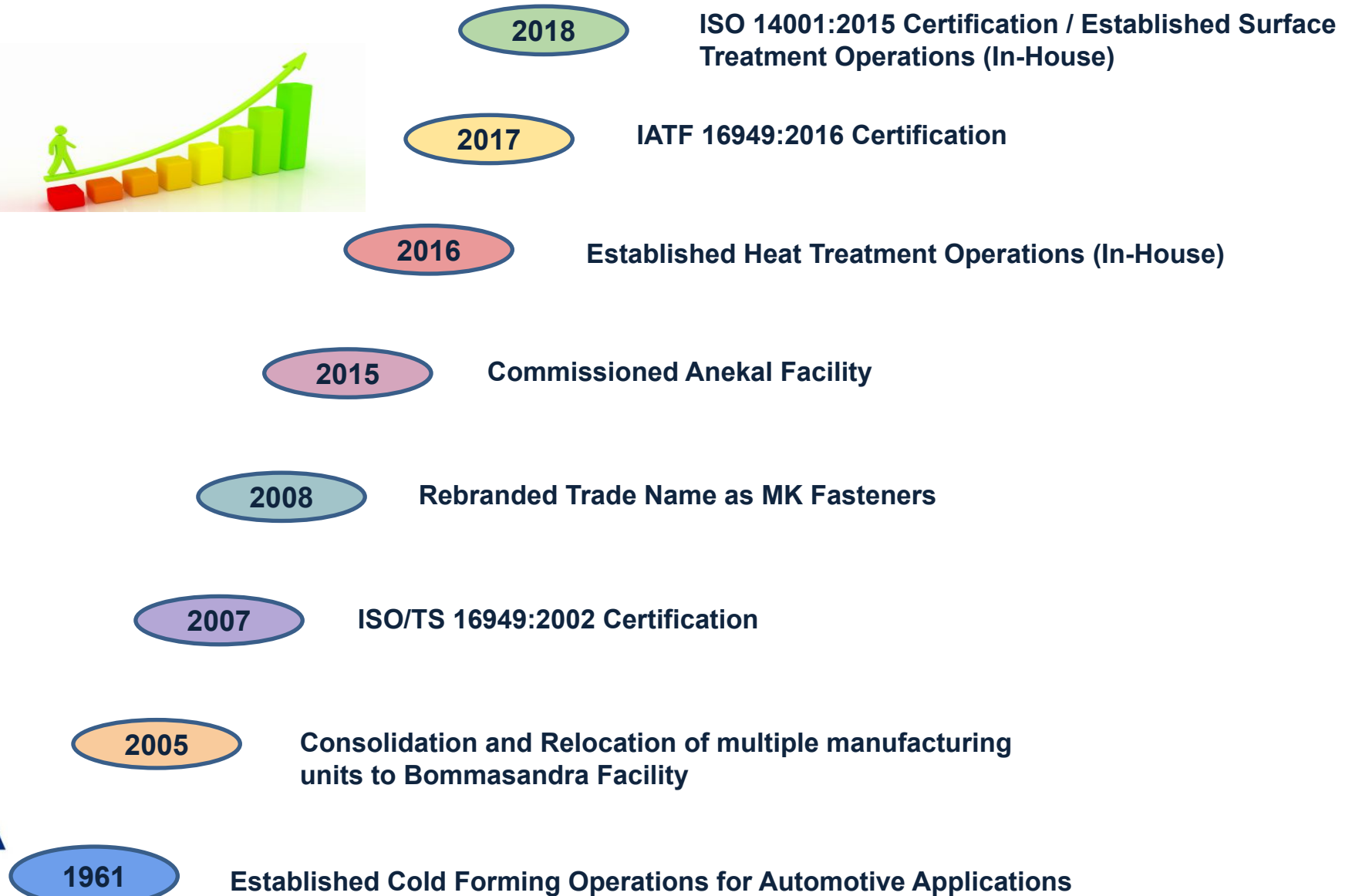




<b>Year of Incorporation</b>	1960
<b>Founder</b>	Late Shri. Rajendra B. Amin
<b>Current Management</b>	Mr. Kuntal R. Amin, Mrs. Madhavi K. Amin, & Mr. Kirtan K. Amin
<b>Plant 1 Location</b>	Bommasandra Industrial Area, Bangalore
<b>Plant 2 Location</b>	Vanakanahally Village, Anekal Town, Bangalore
<b>Group Human Capital</b>	345 pax. (approx.)
<b>Major Certifications</b>	IATF 16949:2016 , ISO 14001:2015 , HMI SQ Mark





## In-House Production Process Flow



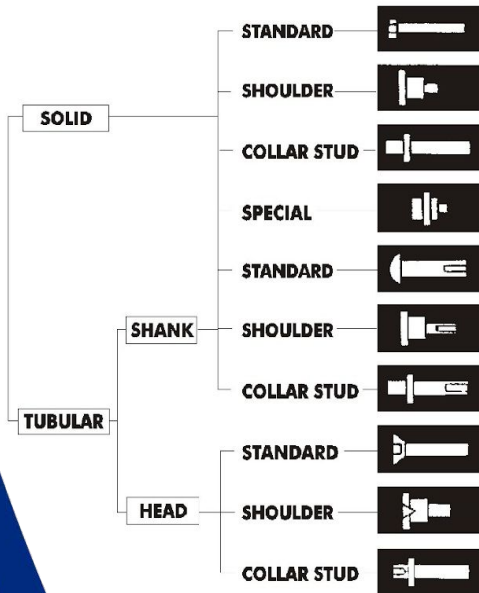
## Outsourced Sourcing & Production Process Flow

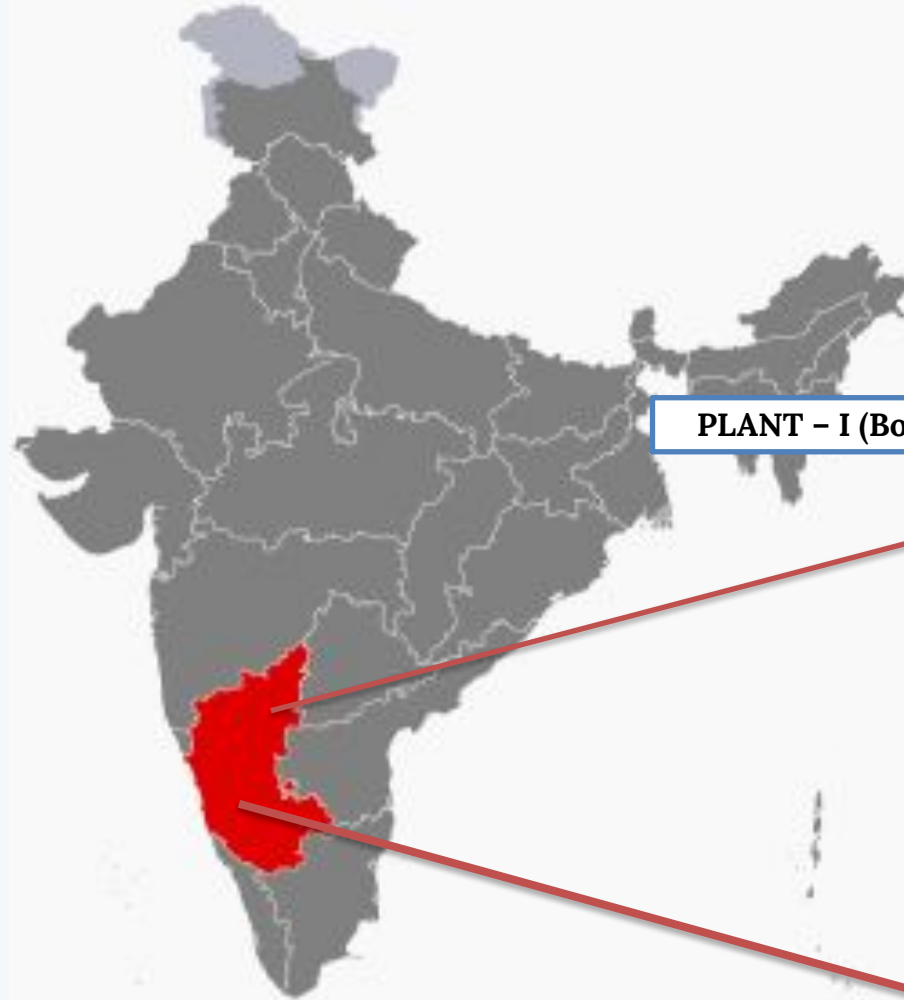


# Production Examples & Range



Shapes & Profiles



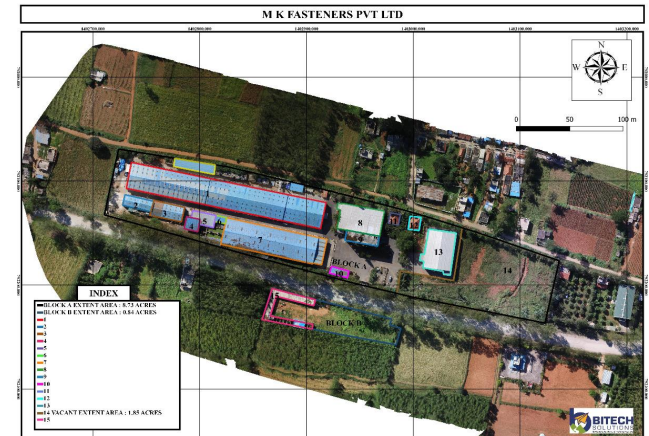


**PLANT - I (Bommasandra)**



❖ TOTAL LAND AREA	- 4067 m <sup>2</sup>
❖ TOTAL BUILDING AREA	- 2769 m <sup>2</sup>
❖ TOTAL BUILT-UP AREA	- 9430 m <sup>2</sup>
❖ FINANCE OFFICE (separate)	- 225 m <sup>2</sup>

**PLANT - II (Anekal)**



❖ TOTAL BUILT-UP AREA (Incl. Support Buildings)	- 16790 m <sup>2</sup>
❖ TOTAL LAND AREA	- 42100 m <sup>2</sup>

PROCESS	MACHINE DESCRIPTION	#S	MAKE / TYPE	SPECIFICATION
COLD FORGING	Nut Part Former - 14B6SXL	1	CHH, Taiwan	
	Nut Part Former - 19B6S	1		
	Part Former – 24B 6SL	1		
	Part Former – 13B 4SL	1	Jern Yao, Taiwan	
	Bolt Former - SRH 134LLL	1	Shengrey	M3 TO M24 / LENGTH upto 350 MM
	Part Former 19B65L	1		
	Part Former 13B4S	1	Jern Yao	
	Heading Machines (Multi-Station)	59	ASAHI OKUMA, ASAHI SUNAC, ITAMI, NATIONAL, CARLO SALVI, SACMA, OMEGA, SIMA, HILGELAND, NEDSCHROEF, SAKAMURA, KONFU	
ODH	Open Die Heading	3	MCT, MING TAN	6MM - 12MM / LENGTH 400+
	Slotting	2	GREENBAT	W - 2.5 MM D – 3 MM
	Trimming	5	HILGELAND, WATERBURY FARREL	UPTO A/F 30 MM
SECONDARY OPERATION	Multi Spindle	2	WICKMAN	13/4" x 6 SPINDLE (35MM MAX)
	Automatic Bench Lathe	8	SENDAY, LECHENG	32 A, AUTO FEEDING, PLCV CONTROLLED
	Traubs	6	PMT	30MM MAX
	Centerless Grinding	2	SCHLEIFBOCK	15MM
	Milling	2	SIGMA	20MM MAX
THREAD ROLLING	Thread Rolling	28	HILGELAND, SASPI, KONFU, BEIJING MACHINERY, CHEN TSAI, NATIONAL	M3 TO M18
NUT FORMING/ TAPPING	Nut Formers - 11B 5S / 14B5S / 17B 5S / 22B 5S	17	SAN SHING, SHANGHAI MACHINERY, FDT, NUTAP	M3 TO M18



**AUTO  
OPTICAL  
SORTING**



**AUTO EDDY CURRENT  
SORTING**



**PROFILE  
PROJECTOR**



**ROCKWELL  
HARDNESS  
TESTER**



**SURFACE ROUGHNESS  
TESTER**



**2D OPTICAL INSPECTION**



## METALLURGICAL TEST INSTRUMENTS



Micro Vickers Hardness Tester



Digital Rockwell Hardness Tester



Rockwell Hardness Tester (FIE)



Digital Microscope



Mould Making Facility



Stereo Zoom Digital Microscope



UTM



Optical Emission Spectrometer

## PLATING TEST INSTRUMENTS



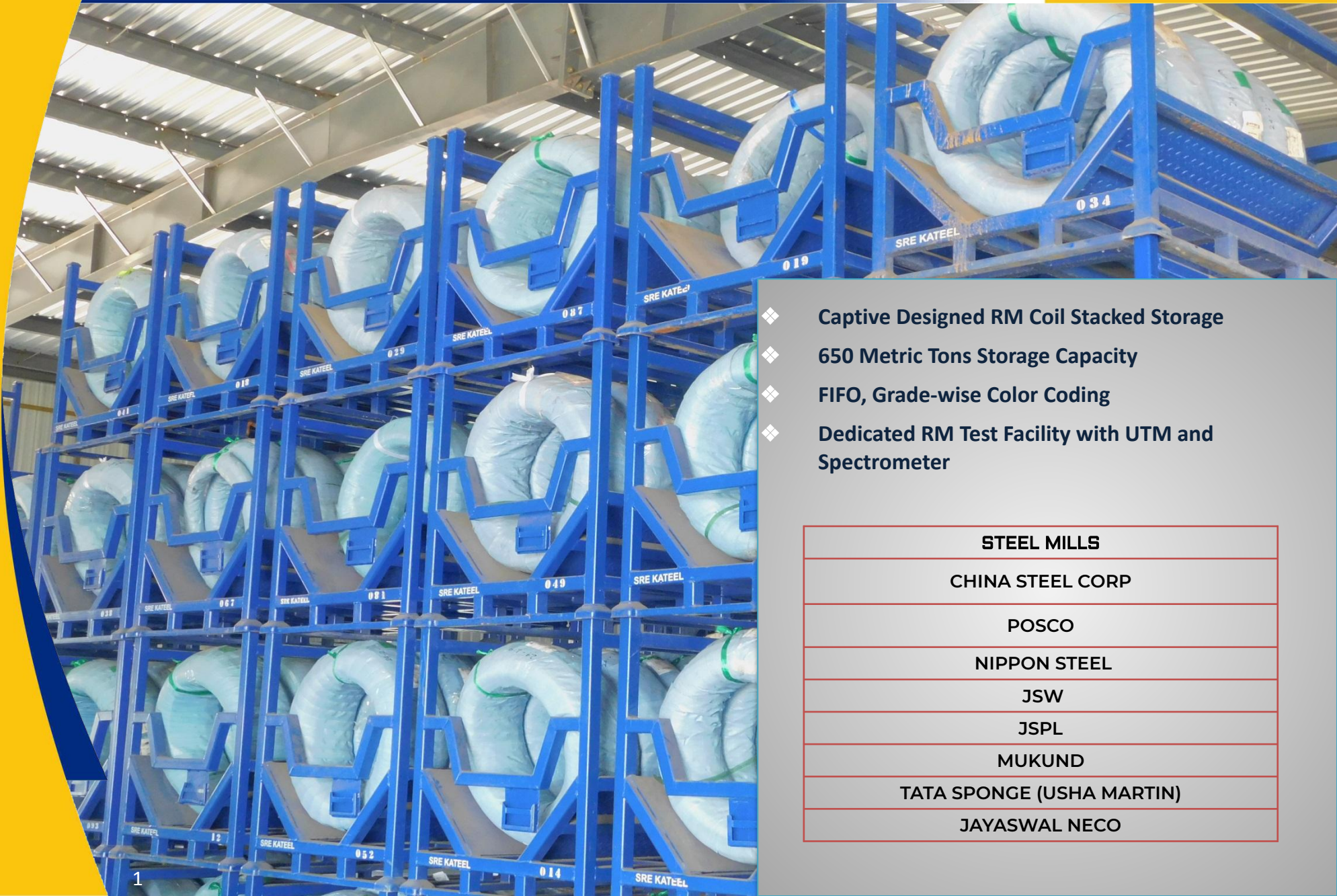
Chemical Analysis Lab



XRF Plating Thickness Detector



Cyclical Corrosion Test Chamber



- ◆ Captive Designed RM Coil Stacked Storage
- ◆ 650 Metric Tons Storage Capacity
- ◆ FIFO, Grade-wise Color Coding
- ◆ Dedicated RM Test Facility with UTM and Spectrometer

**STEEL MILLS**

**CHINA STEEL CORP**

**POSCO**

**NIPPON STEEL**

**JSW**

**JSPL**

**MUKUND**

**TATA SPONGE (USHA MARTIN)**

**JAYASWAL NECO**



**Automatic Continuous Mesh Belt Furnace SCADA Controlled.**

**M/s. SAN YUNG ELECTRIC HEAT MACHINE CO.,LTD.**

- Through Hardening
- Carburising
- Carbonitriding

**Capacity - 1000 kgs / hour**

**Online De-phosphating**



**Automatic Barrel Type Alkaline Zinc Surface Treatment Line with SCADA Control**

**Capacity - 800-1000 kgs / hour**

**Offline Hydrogen De-Embrittlement Oven**

## **IN-HOUSE PROCESSES**

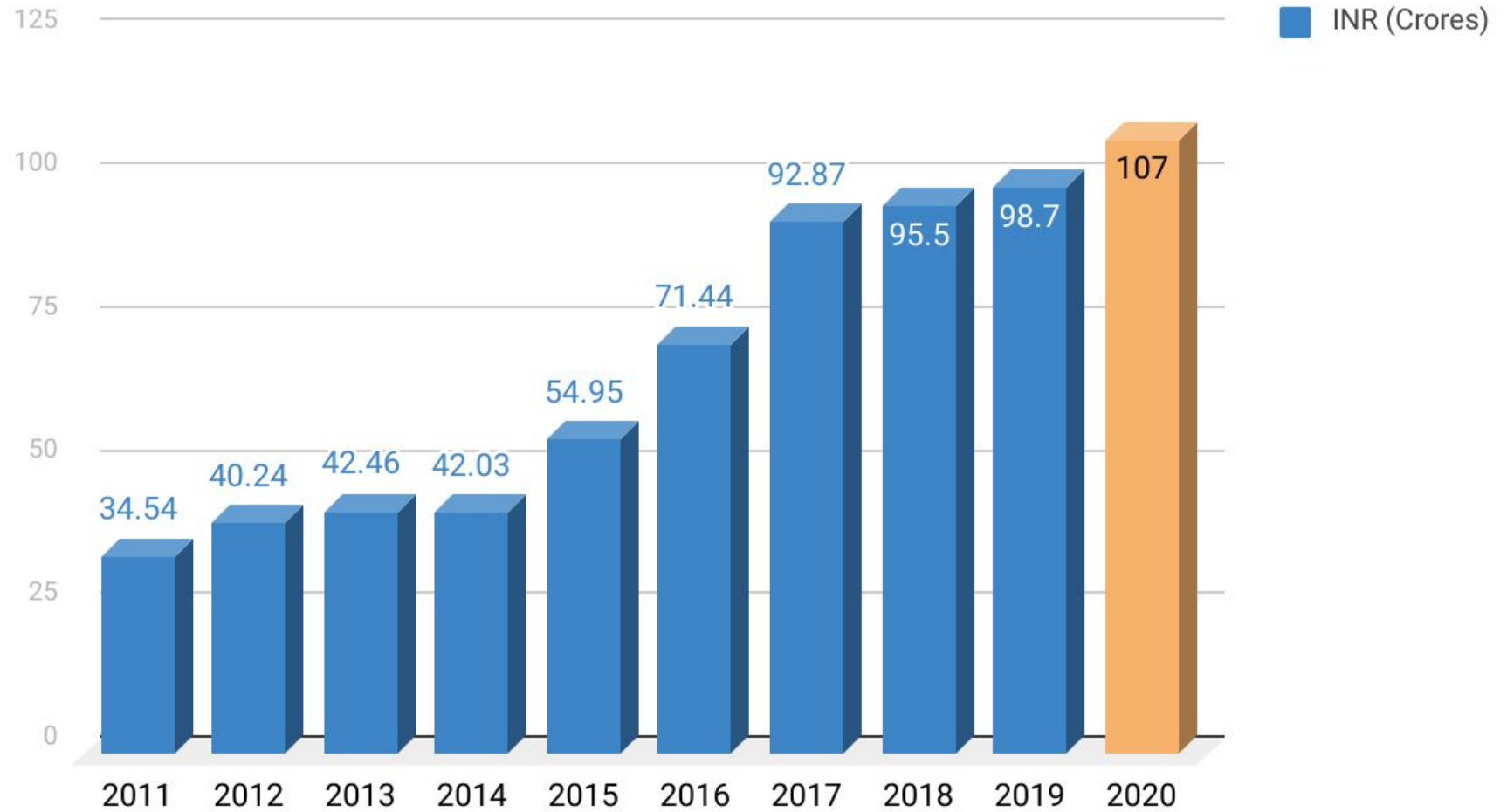
- Zn Cr3 Yellow
- Zn Cr3 Silver/Blue
- Zn Cr3 Black
- Zn Cr3 Iridescent

## **OUTSOURCED PROCESSES**

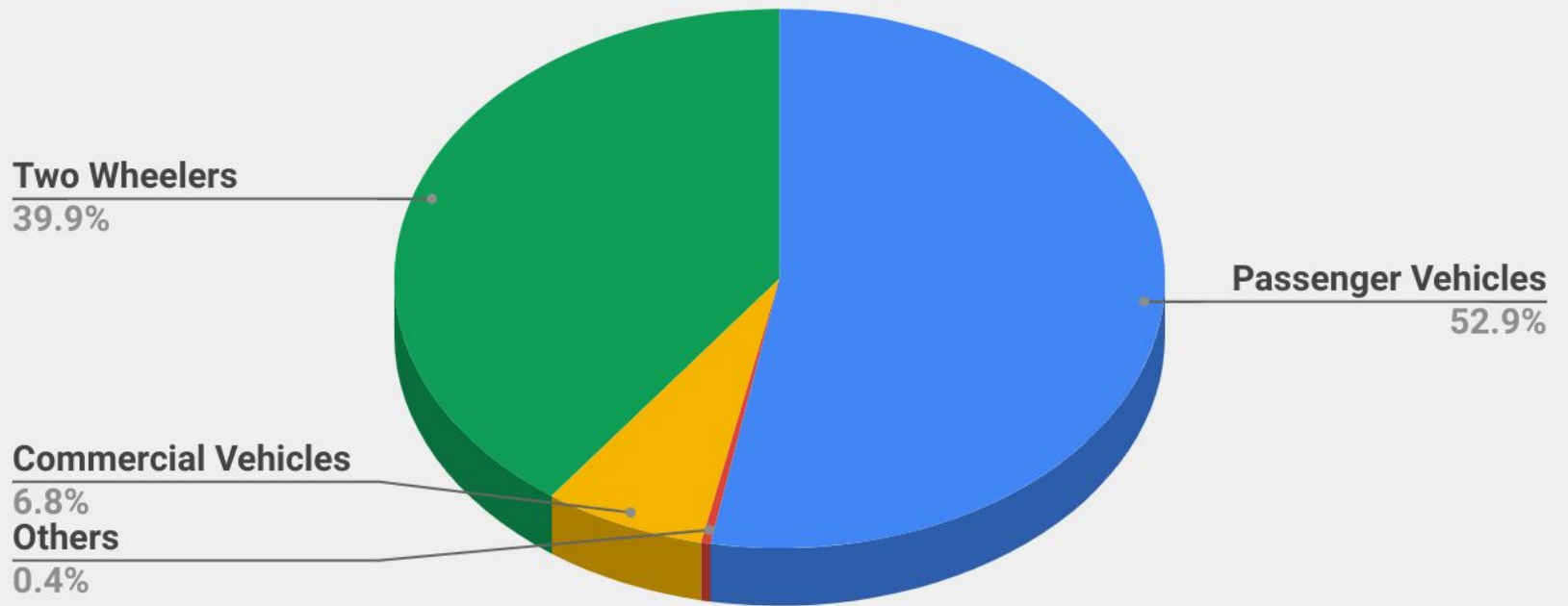
- Zn Ni (Matte, Black, Silver)
- Zn Al / Zn Flake
- Geomet, Dacromet, Dorken, Magni
- Phosphating, Black Oxide

<b>CATEGORY</b>	<b>FUNCTION</b>	<b>No of EMPLOYEES</b>
<b>STAFF</b>	TOP MANAGEMENT	<b>03</b>
	NPD	<b>13</b>
	QA	<b>24</b>
	MARKETING & DESPATCH	<b>18</b>
	PRODUCTION	<b>18</b>
	MATERIAL & LOGISTICS	<b>15</b>
	FINANCE	<b>10</b>
	ADMINISTRATION	<b>04</b>
<b>MANUFACTURING</b>	FOREMAN	<b>12</b>
	OPERATORS	<b>59</b>
	ASSISTANT OPERATORS	<b>169</b>
	HELPERS & CASUAL EMPLOYEES	
<b>TOTAL</b>		<b>345</b>

## NET TURNOVER - Financial Year Ending in March



## Business Share Percentage



<b>INTERNAL</b>	<b>CUSTOMER SPECIFIC</b>
<b>IATF 16949:2016</b>	<b>SQ MARK HMI</b>
<b>ISO 14001:2015</b>	<b>MSIL TIER-II VSA</b>
<b>TPM</b>	<b>VDA 6.3</b>

<b>PLANNED</b>	<b>OHSAS 18001</b>
	<b>AS9100D</b>



# Notable Awards and Appreciations



**TBI**

2009/10/11  
/12/13/15

QUALITY RANK III & BEST SUPPORT FOR NEW DEVELOPMEN

**PHA**

2009

BEST SUPPLIER OVERALL PERFORMANCE

**LUCAS TVS**

2011

BEST SUPPLIER  
(LEAN MANUFACTURING)

**BOSCH**

2011

BEST QUALITY

**ADVIK**

2015

QUALITY AWARD GOLD

**MANN + HUMMEL**

2016

ZERO PPM AWARD  
SUPPLIER EXCELLENCE AWARD

**TTIL**

2016

8D BEST  
PROBLEM SOLVING  
SILVER AWARD

**BOSCH**

2018

BEST  
SUPPLIER  
PERFORMANCE

**AKL**

2019



## *Excellence through Teamwork is our Motto!*

### **Multi National Machineries**

Wide range of reputed brands of machineries with diversified manufacturing scope



### **Design Facilities**

Simulation, Design done at In-House with Utilization of Cold Forming Simulation Software for High Accuracy and Precision Cold Forming



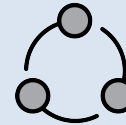
### **Reputed Suppliers**

Partnerships with reputed companies for critical inputs such as tool manufacturing, advanced tool development & RM



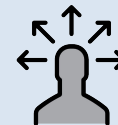
### **Digitally Potential**

Utilization of latest Technologies like G-Suite, Cisco ERP, CPM Easy2Form and AutoDesk.



### **Skilled Workforce**

Experience and expertise of over 60 years in the field of Cold Forging

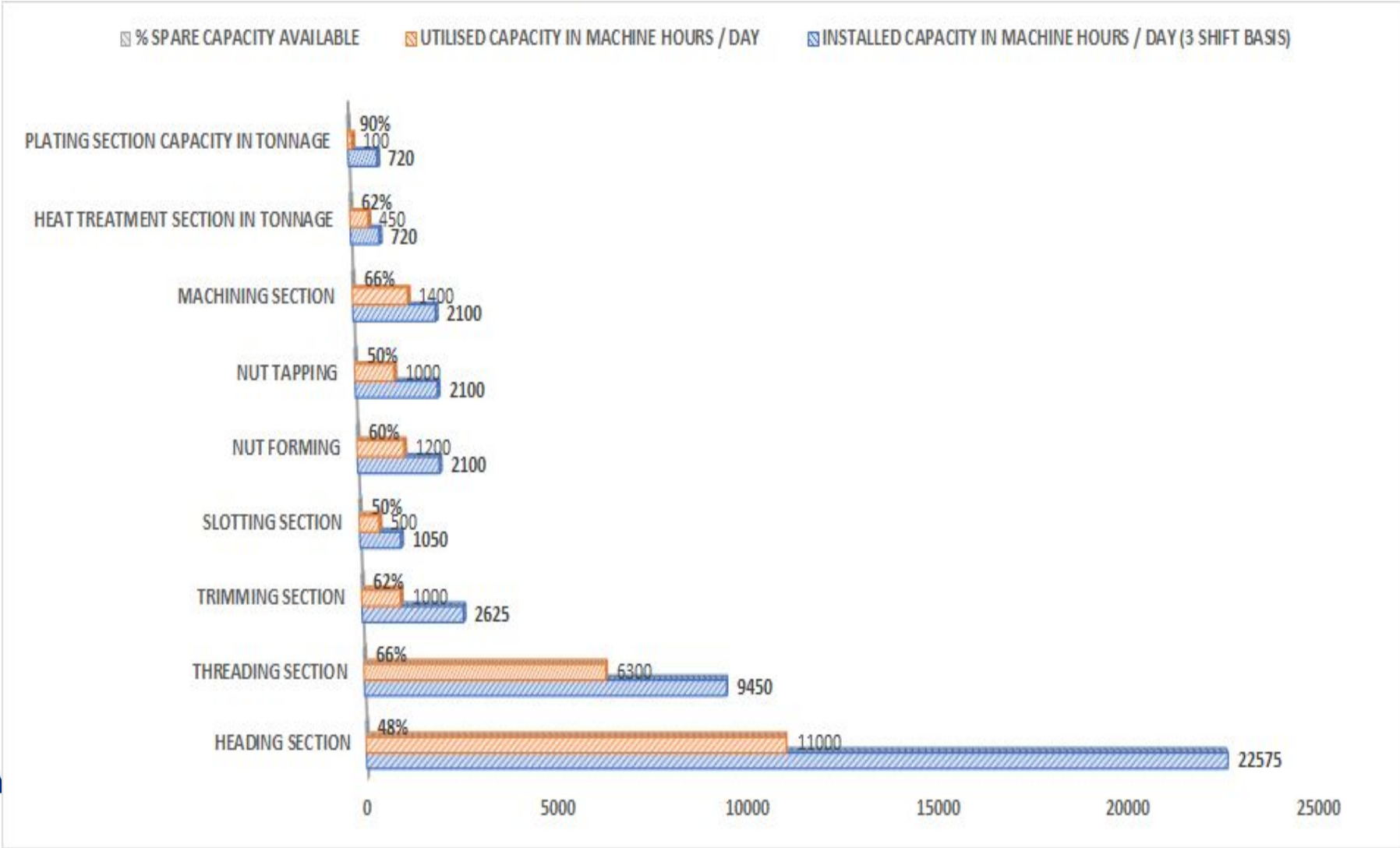


### **Proactive Management**

Flexibility to invest on infrastructure, machineries, equipment and tooling to meet customer specific requirements



# Manufacturing Capacity Utilization & Spare Capacity



# Examples of our Products

MKFasteners



# Our Products (Customized as per customer requirement)

**MKFasteners**



# Our Products (Customized as per customer requirement)

**MKFasteners**



Automotive OEM Customers (Tier 1)



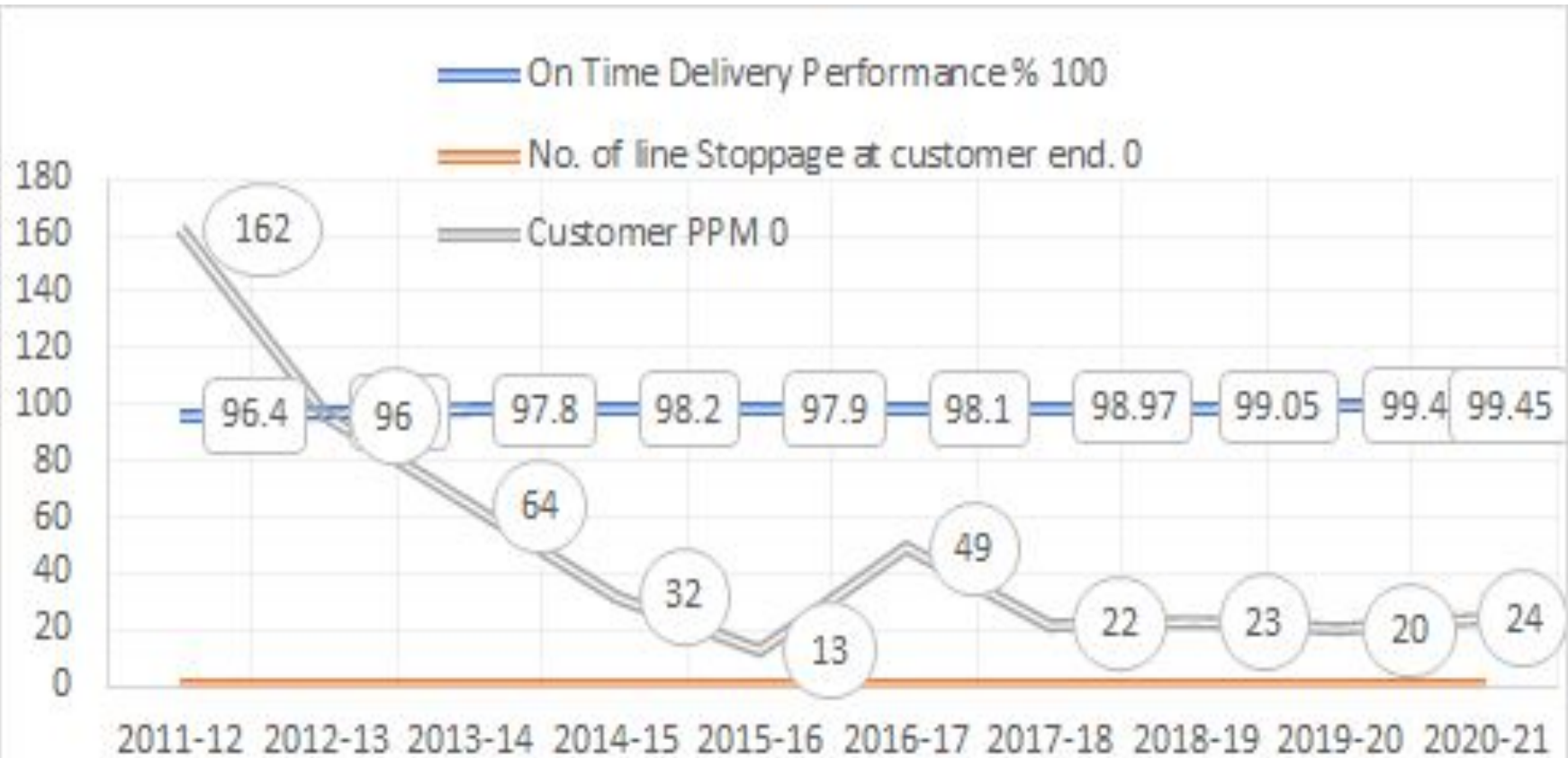
Automotive OEM Customers (Tier 2)



TIER-1 Automotive Customers







## AUTOMOTIVE

- Engine :- M/s. TVs Motor , Yamaha , Bosch & PSA
- Brakes :- M/s. Brakes India , TVs Motor . ( OEM – MSIL , TVs Motor)
- Fuel Pump :- M/s. Ucal , Pricol , TVs and Greaves ( OEM - Ford, TATA ,Mahindra , TVs Motor , MSIL)
- Seat Systems (Recline and Adjust) :- M/s. TBI , STTID ,AKL, AHL, PHA, IFB & Autoliv . ( OEM – MISL , HYUNDAI , VW ,TBI)
- Spark Plug :- M/s. Bosch (OEM)
- Door Panel and Window Regulator :- M/s. Inteva ,PHA , AKL, AHL, PHA, IFB , Kwangjin & Technico (OEM- TATA Motors, HYUNDAI, MSIL, FORD, M&M, VW)
- Door, Hood, Trunk, and Roof Latches :- M/s. Novares , PHA ,Kwangjin . ( OEM – MSIL , VW , HYUNDAI , KIA)
- Fuel Injection System and Common Rail :- M/s. Ucal , Pricol , TVs & Advik . ( OEM – MSIL , Ford, M&M, )
- Cockpit and Dashboard :- M/s. TRMN. ( OEM – TBI)
- Seat Belt Retractor :- M/s. Autoliv. ( OEM -Ford , Volvo , TATA Motor )
- Automotive Suspension Systems :- M/s.Tenneco (OEM - TATA, MSIL)
- Control and Hydraulic System :- M/s. Janatics
- Pneumatic Control System :- M/s. Festo
- Air Intake, Filter, Manifold and Exhaust Systems :- M/s. Mann Hummel & MNR.
- Transmission , Clutch and Gearbox :- M/s. PSA AVTEC , Exedy , ALL, TVs & Setco
- Automotive Stater, Alternator and Motors :- M/s. SEG, Bosch , Comstar & Lucas TVs.
- Production Line and Assembly Parts :- M/s. ALL & TVs.
- Exterior Trim :- M/s. TVs.
- Lighting Systems M/s. IJL.

## NON – AUTOMOTIVE

- Home Appliances :- M/s. Teknic
- Washing Machines and Dryer :- M/s. IFB
- Defense Applications :- M/s. BDL
- Aerospace and Space Research Applications :- M/s. ISRO & HAL

*Thank You*

