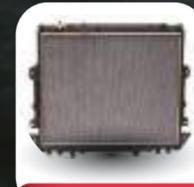
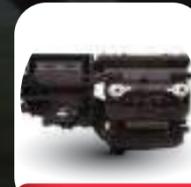


te Thal Engineering

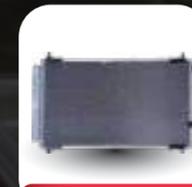
TECHNOLOGY AND QUALITY
GOING TOGETHER



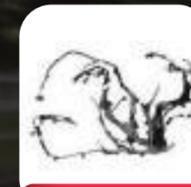
RADIATOR



HVAC



CONDENSOR



WIRE
HARNESS



ALTERNATOR &
STARTER



HOSES &
TUBES

MANUFACTURER OF PRECISION
FUNCTIONAL COMPONENTS FOR THE
AUTOMOTIVE INDUSTRY



A Business of



Thal Engineering
Factory
Plot No. 1, 2, 25 & 26,
Sector 22, Korangi Industrial Area,
Karachi-74900, Pakistan
Phone: +92 21 3589 7608, +92 21 3588 5696-8

Thal Engineering
Unit II
Plot# DSU 14, Sector # II,
Down Stream Industrial Estate,
Pakistan Steel Mills Bin Qasim,
Karachi-75010
Phone: +92 21 3472 3585-7



www.thalengg.com

ABOUT US

Thal Engineering (a division of Thal Ltd) is part of House of Habib Group. Thal Ltd was incorporated in 1966 as a public limited company and is listed in Pakistan Stock Exchange. Thal Engineering is the leading automotive parts manufacturer in Pakistan incorporating the latest state of the art technology and delivering quality products to its customers.

CORPORATE DATA

Company Name	Thal Engineering
Established	1996
Parent Company	Thal Limited
Head Office	House of Habib, Siddiqsons tower, 3-J.C.H Society, Main Shahra-e-Faisal, Karachi, Pakistan
Factory	Plot No. 1, 2, 25 & 26, Korangi Industrial Area, Karachi, Pakistan
Unit II	Plot# DSU 14, Sector # II, Down Stream Industrial Estate, Pakistan Steel Mills Bin Qasim, Karachi-75010
Business Groups	1. Thermal System 2. Engine Components 3. Electric System

TECHNICAL PARTNERS



THERMAL SYSTEM

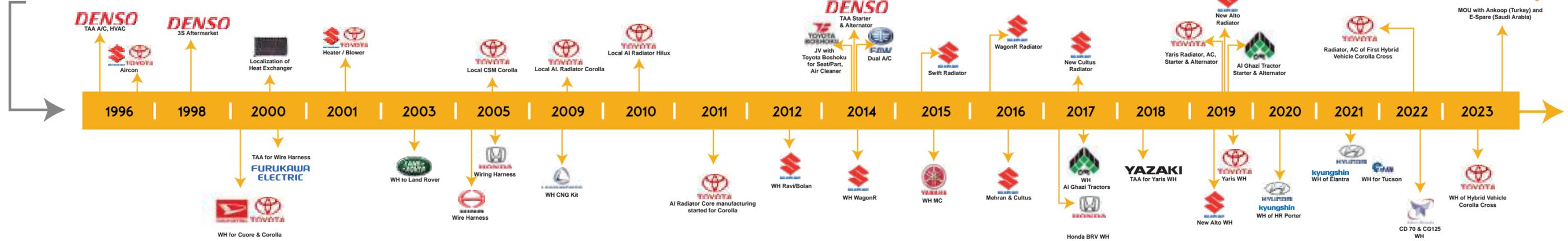
The Thermal Systems Business was established in 1996 with the signing of a Technical Assistance Agreement (TAA) with DENSO Corporation Japan. It manufactures quality Air-conditioning systems, Aluminum Radiators, Cooling Sub-Modules, Heat Exchangers, Reserve Tanks and A/C Control Assembly of highest quality.



MAJOR MANUFACTURING FACILITIES /EQUIPMENT

- Nocolok Brazing Furnace
- Fin Forming Machine
- Degreasing oven
- Wet Fluxing
- Core Assembly Machine
- Radiator P -Tank Molding and Crimping Machine
- Radiator Vacuuming
- Cooling Sub Module Assy Line
- Powder Painting
- Condenser & Evaporator Tube making
- Water leak Testing Equipment

OUR JOURNEY



MISSION

Recognized as an internationally competitive world class manufacturer of engineering products. Providing solutions to our customers, ensuring stakeholder's interest and being a good corporate citizen.

QUALITY POLICY

Assure products & services of that quality that customers desire, through customer focus and continual improvement. Also meet the regulatory requirements at all times.

OUR CUSTOMERS



CORPORATE AWARDS



CUSTOMERS AWARDS



CERTIFICATION



FACILITIES



PRODUCTS



ENGINE COMPONENTS

Thal Engineering entered into a Technical Assistance Agreement (TAA) with DENSO Japan for the local production of Starters & Alternators in April 2014. This TAA is in continuation of the Company's commitment to increase indigenization in the auto industry in Pakistan.



MANUFACTURING FACILITIES /EQUIPMENT

- Starter Assembly Line
- Alternator Assembly Line
- Starter & Alternator performance test bench
- Hydraulic test machines
- State of the art Assembly tools and controllers

ALTERNATOR



FEATURES

- Designed to meet the grueling heat and electrical requirements
- First Time Fit® provides perfect mounting with no belt/pulley alignment issues

BENEFITS

- OE-quality fit, appearance, and durability
- Full compatibility with sensitive electronics systems
- Compact and lightweight design

STARTER



FEATURES

- High-voltage tested armature and filed coils to ensure reliable performance
- All-new bearing, brushes, and seals

BENEFITS

- Maximum cranking torque under all conditions
- Class leaders in size and weight
- Environmentally designed to start in cold and hot weather conditions

FACILITIES



Assembly Line



Alternator Test Bench



Starter Test Bench

ELECTRIC SYSTEM

Thal Electric System Business was established in 2000, with the signing of Technical Assistance Agreement with Furukawa Electric Company Japan. In 2018, TE signed another TAA with Yazaki to localize Toyota Yaris Wire Harness (WH). To cater to new OEMs TAAs were signed with Korean companies Kyungshin and THN in 2020 to cement TE as the largest WH producer of the country. Manufacturing wide range of harnesses from simple cables to complex wiring harness including battery cable.

TECHNICAL PARTNERS

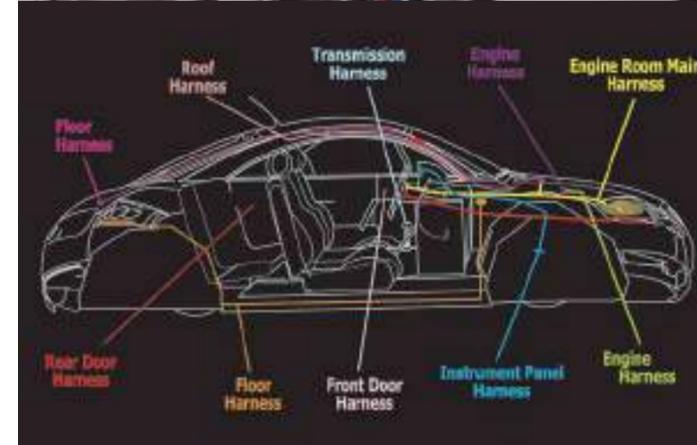


PRODUCTS

- Wire Harness for Automotive
 - Passenger Cars
 - Trucks & buses
 - Tractor & Motorcycles
- Battery Cables
- Wire Harness for Equipments
 - EV/CNG Kits
 - Electric Switch Panels
- Harness for White Goods
- Sub Assemblies of Equipments



Wire Harness-Passenger Cars, Light Commercial Vehicles, Trucks, Buses, Tractors & Motorcycles



FACILITIES



Komax Cutting Machine



Conveyer Line



OHMI Testing Machine

MANUFACTURING FACILITIES /EQUIPMENTS

- Komax Machines (Automotive Cutting & Crimping)
- Resistance Welding Machine
- C2 Silicon Injection Machine
- Moving Track Assembly Lines
- Dome Lamp Machine
- Ultrasonic Welding Machines
- Central Cutting & Stripping Machines
- Twisting Machines
- OHMI Testers

THAL AFTER MARKET CENTER

Thal After Market Center was established in 1998 with the concept of serving the after market customers and providing 3S facilities under one roof. Thal After Market Center is the only authorized distributor for Sales & Service of DENSO Products for the aftermarket in Pakistan, providing customers with high quality after sales and services through its 6 nationwide and 20+ sub-dealers network.



TAC Services Center Karachi

PRODUCTS

- Compressors
- Evaporators
- Condensers
- Radiators
- Hoses & Tubes
- Expansion Valves
- Receiver Drier
- Refrigerant Gas R-134a
- Coolants
- LCV/HCV AC Sets
- ND8 Oil

A/C SOLUTIONS

- Toyota
- Suzuki Mehran/Alto
- Suzuki Bolan
- Suzuki Cultus
- Suzuki Swift
- FAW XPV Van
- Used imported cars



High temperature R&D facility for testing quality & durability



Thal Aftermarket

SERVICES FOR AUTOMOTIVE A/C

- Air Conditioning system for Cars, Trucks & Buses with Customized Solutions
- A/Cs Services & Repair
- Spare Parts



OTHER SERVICES

- Gas Flushing / Recycling



OUR CULTURE

5S AND KAIZEN AWARD DISTRIBUTION



CORPORATE SOCIAL RESPONSIBILITY (CSR)



Rebuilding of a model village containing 50 houses



Relief camp in Interior Sindh



Annual QCC convention at Habib University



OTHER ACTIVITIES



Bike Safety Training



Skill Competition

HSE- Emergency Drills



First Aid Training



Training program



International Automobile exhibitions

