



APEX ENGINEERING



ASTER INDIA

Company Profile

Company Over View

APEX ENGINEERING

ASTER INDIA

- ▶ We are solution oriented Heat Treatment company in providing the best customer service in the industry with excellent on-time delivery of top quality products at a competitive price.
- ▶ **Our firm has been certified under ISO 9001:2015 (TUV NORD)**
- ▶ We are involved in heat treatment services to the automobile components manufacturing Industries, Agriculture and Engineering. We are also involved in the service of special processes.
- ▶ Our firm has a strong focus on optimum support and puts the customer first. Therefore, we're open 24 hours a day for support, advice and services to support your projects. Our firm operates under the most current quality standards and certifications

Company Details

Company Name : **APEX ENGINEERING**

Line of Business : Heat Treatment Services

Establishment : Apr 1, 2016

Proprietor : Sabarish Palanisamy

Certifications : ISO 9001:2015 - TUV NORD

Capital : 2.3Cr

Company Name : **ASTER INDIA**

Line of Business : Heat Treatment Services

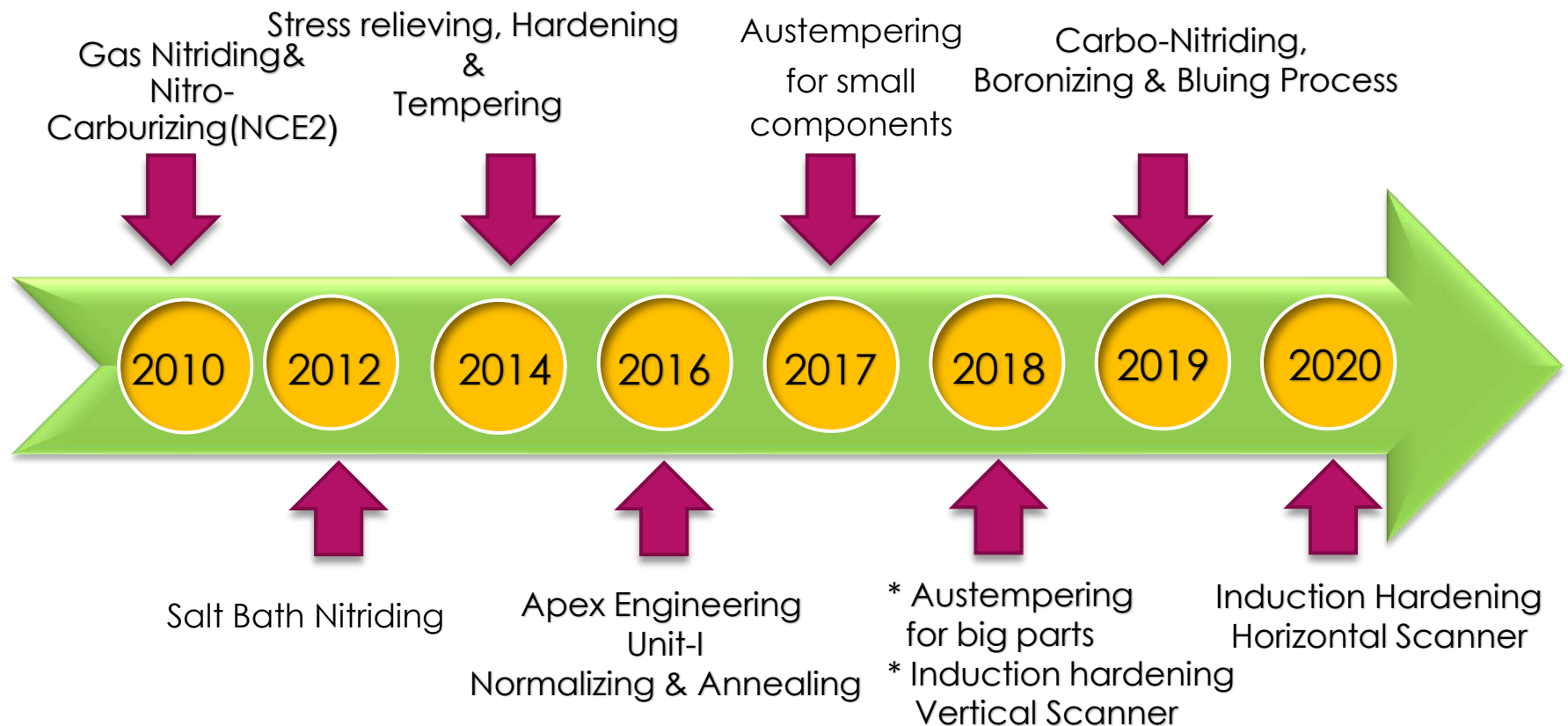
Establishment : Apr 1, 2010

Partnership Concern

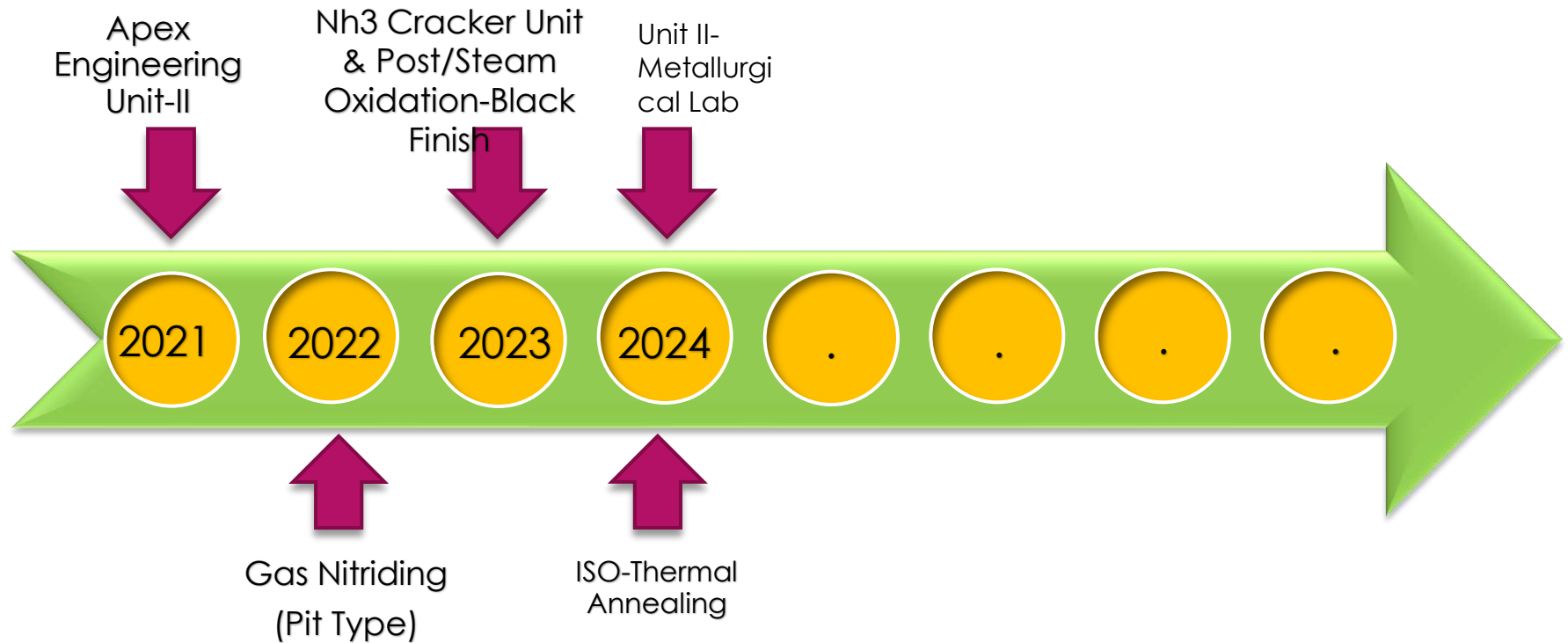
Certifications : ISO 9001:2015 - TUV NORD

Capital : 1.2Cr

Company History



Company History



Vision & Mission

VISION

To Become a Leader in Heat Treatment Industry.
To Achieve Goal towards Zero Rework Parts.
To Maintain Good Relationship with Customer.

MISSION

We aim to provide Heat Treatment Service with Top quality by updating latest technology and Adopting QMS with "In time In Quality".

Infra Structure

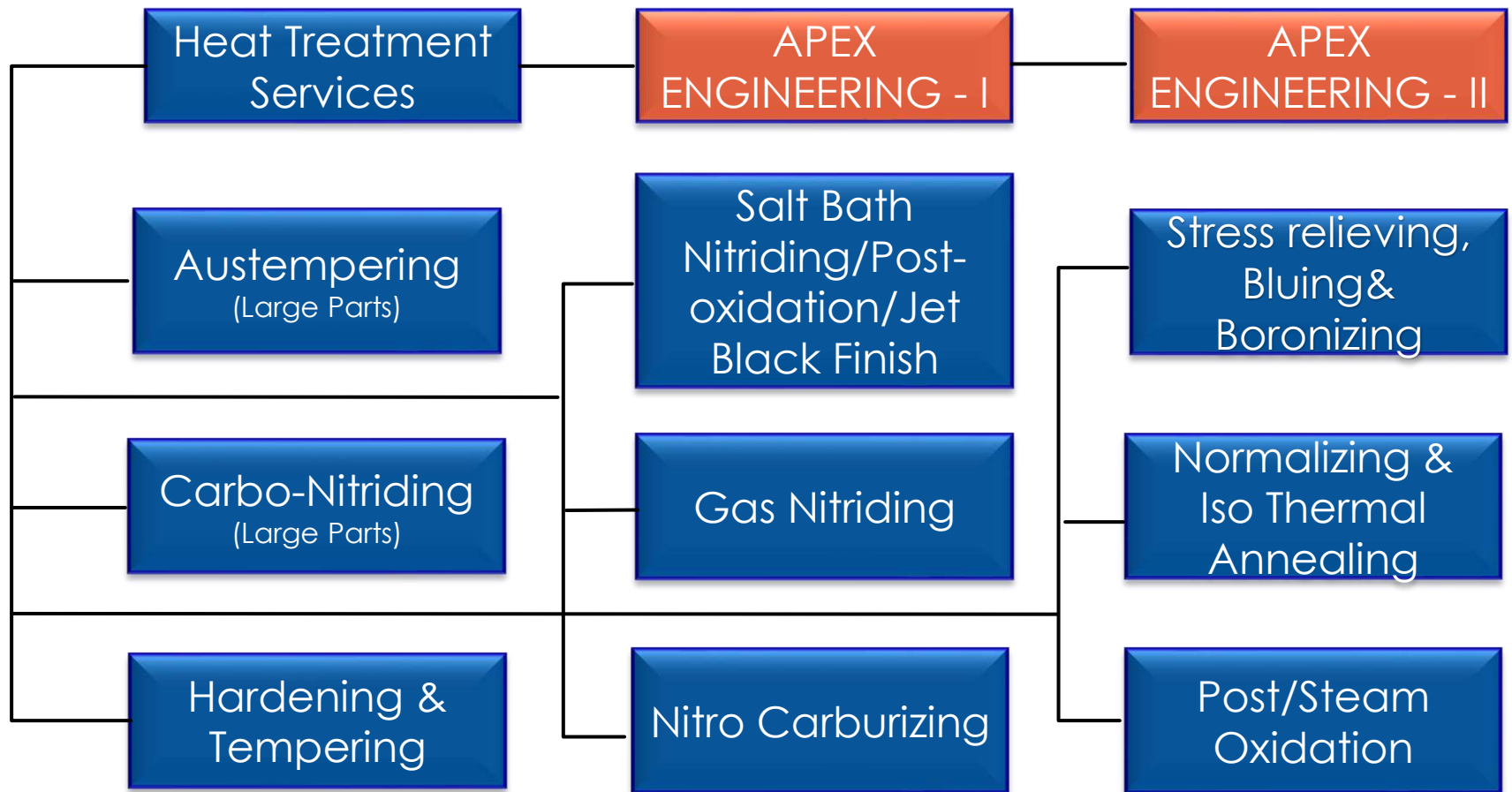


We have 4 production units

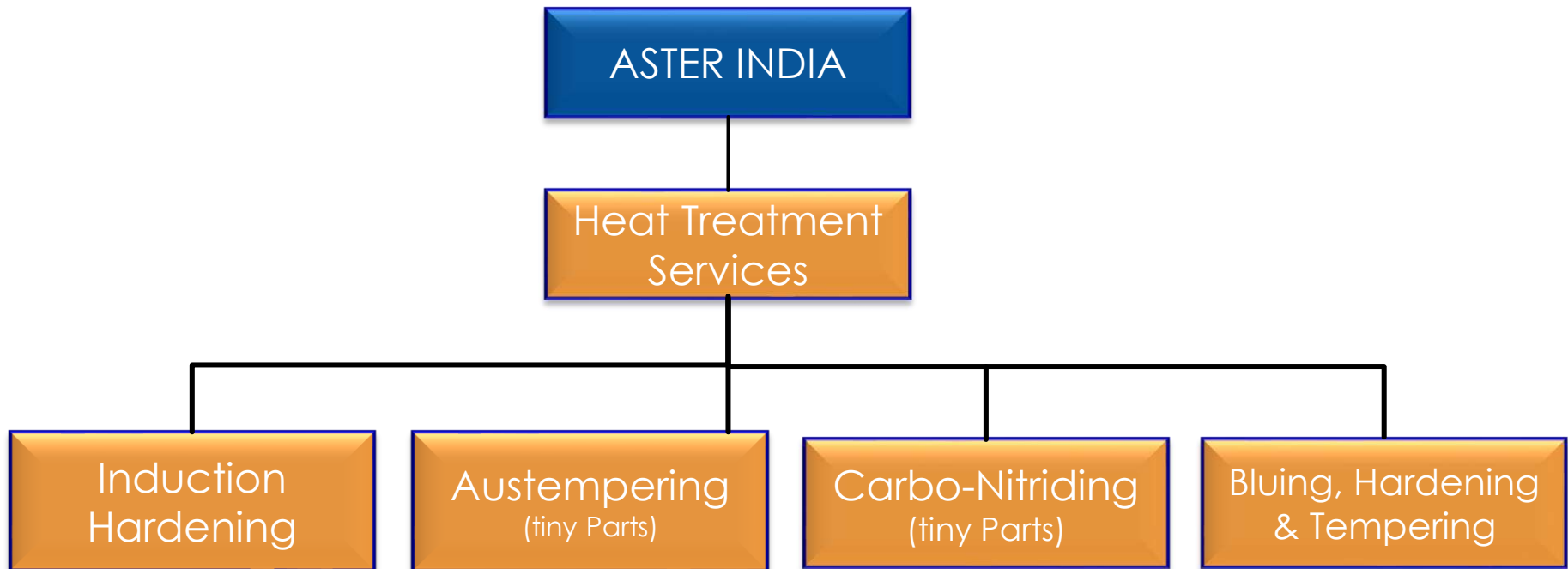
- ▶ Hardening Unit 2100 sq.ft.
- ▶ Nitriding Unit 2000 sq.ft.
- ▶ Induction Hardening Unit 3000 sq.ft.
- ▶ Gas Nitriding Unit 3000 sq.ft.
- ▶ Austempering Unit 4500 sq.ft.
- ▶ Lab area 300 sq.ft .
- ▶ Office area 160 sq.ft



Heat Treatment Services



Heat Treatment Services



Gas-Nitriding

Gas nitriding Furnace(Fluidized bed)

- ▶ Make: Fluidtherm Technology
- ▶ Heating Element: Electrical
- ▶ Loading Batch qty: 150-180Kg

Preheating Furnace:

- ▶ Make: Kumar & Co
- ▶ Heating Element: Electrical
- ▶ Dimension: 500x1200mm(150-180)Kg



Gas-Nitriding

Gas Nitriding Furnace-1 (Pit Type)

- ▶ Make: Hiroki
- ▶ Heating Element: Electrical
- ▶ Loading Batch qty: 100-150Kg



Gas Nitriding Furnace-2 (Pit Type)

- ▶ Make: Hiroki
- ▶ Heating Element: Electrical
- ▶ Loading Batch qty: 900-1000Kg



Nitriding

Liquid Nitriding Furnace-1:

- ▶ Make: Kumar & Co
- ▶ Heating Element: Electrical
- ▶ Dimension: 500 x 1200 mm(120-150)Kg

Liquid Nitriding Furnace-2:

- ▶ Make: Kumar & Co
- ▶ Heating Element: Electrical
- ▶ Dimension: 500 x 1200 mm(120-150)Kg

Quench Tank: 3000Ltrs



Induction Hardening

INDUCTION HARDENING - 1



- ▶ Make: INDUCTECH
- ▶ Capacity: 100 kw
- ▶ Frequency: High Frequency
- ▶ Vertical Scanner – 1500mm length
- ▶ PLC controlled process

INDUCTION HARDENING - 2



- ▶ Make: INDUCTECH
- ▶ Capacity: 75 kw
- ▶ Frequency: Low Frequency
- ▶ Horizontal Scanner – 1500mm length
- ▶ PLC controlled process

Austempering

Austempering(Small Components)



Rotary Furnace

- ▶ Make: Kumar & Co
- ▶ Heating Element: Electrical
- ▶ Loading Batch qty: 40-50Kg

Austempering Furnace

- ▶ Make: Kumar & Co
- ▶ Heating Element: Electrical

Austempering (Larger Components)



Rotary Furnace

- ▶ Make: Kumar & Co
- ▶ Heating Element: Electrical
- ▶ Loading Batch qty: 1000Kg

Austempering Furnace

- ▶ Make: Kumar & Co
- ▶ Heating Element: Electrical

Carbo-Nitriding

Rotary furnace with Carbo Nitriding(Small Components)

Rotary Furnace

- ▶ Make: Kumar & Co
- ▶ Heating Element: Electrical
- ▶ Loading Batch qty: 15-30Kg

Tempering Furnace

- ▶ Make: Kumar & Co
- ▶ Heating Element: Electrical
- ▶ Loading Batch qty: 100Kg



Metallurgical Lab



Micro Vickers

- ▶ Make: Mitutoyo.
- ▶ Model: MVK-H11.
- ▶ Load: 10g to 1 kg.



Vickers

- ▶ Make: **Matsuzawa.**
- ▶ Model: MVK-H11.
- ▶ Load: 10g to 1 kg.



Microscope

- ▶ Make: **Chennai Metco.**
- ▶ Model: METSCOPE.
- ▶ Range: 100x to 1000x



Cut-Off Machine

- ▶ Make: Chennai Metco.
- ▶ Model: BAINCUT-M.
- ▶ Capacity: up to 50mm.



Polishing Machine

- ▶ Make: Chennai Metco.
- ▶ Model: BAINPOL.
- ▶ Type: Double Disc.



Moulding Machine

- ▶ Make: Chennai Metco.
- ▶ Model: BAINMOUNT.
- ▶ Capacity: up to 40mm

Our Valuable Customers



Contact US



asterindia09@gmail.com
apexeng16@gmail.com



ASTER INDIA & APEX ENGINEERING UNIT-1

SF.NO: 30/A2, Parasakthi Nagar,
Doctors Thottam, Ganapathy,
Coimbatore – 641 006.

Land Mark: Atthipalayam Privu,
Behind Airforce Navel Housing Enclave.



APEX ENGINEERING UNIT-2

450/1C1A, Micro Industrial Estate,
Masagoundenchettipalayam,
Annur Taluk,
Coimbatore – 641 107.



Sabarish : 9629488811
Sathis : 7339665777

Website: asterindia.business.site



THANK YOU