

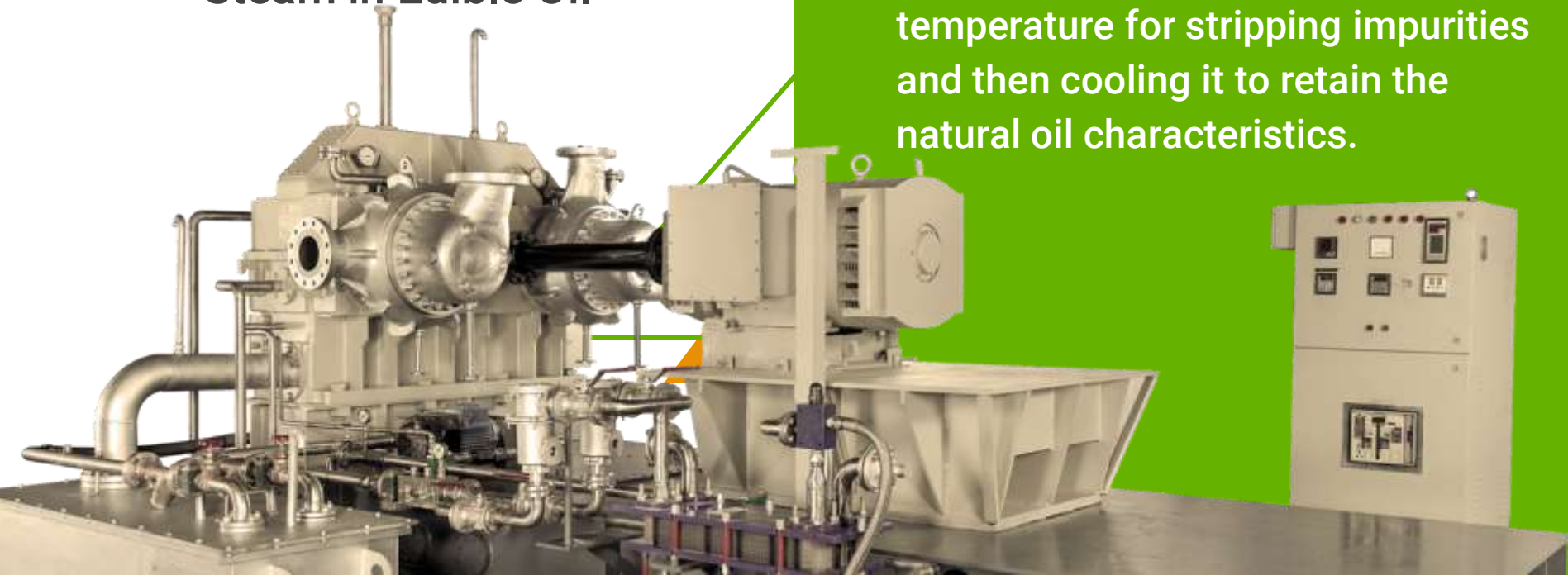
Edible oil industry case studies



Introduction

Steam in Edible Oil

Effective deodorization is a complex vacuum steam distillation process that involves using high-pressure steam to heat the oil to a precise temperature for stripping impurities and then cooling it to retain the natural oil characteristics.



Case Study 1 – Edible oil refinery in Maharashtra





Edible oil refinery in Maharashtra

Context

The company
Is a leading manufacturer of specialty chemical and organic intermediaries, and has presence in 35 countries in the world

Solution

TurboTech's Turbine
After understanding the plant's requirement TurboTech suggested a MK4 - Single Stage Back Pressure Turbine

Impact

Power generation
375kW of energy is generated from the steam that was being otherwise wasted



Case Study 2 – Edible oil refinery in Madhya Pradesh





Edible oil refinery in Madhya Pradesh

Context

The company
a leading grain and
oilseed milling company
with plants across india

Solution

TurboTech's Turbine
After understanding the
plant's requirement
TurboTech suggested a
Multi stage Extraction
Back Pressure Turbine.

Impact

Power generation
1200kW of energy is
generated from the
steam that was being
otherwise wasted



Case Study 3 - Edible oil refinery in Maharashtra





- Edible oil refinery in Maharashtra

Context


The company
Is known for its Bio
Refineries And Bio-fuels
products

Solution

TurboTech's Turbine
After understanding the
plant's requirement
TurboTech suggested a
MK7 – Two Stage Back
Pressure Turbine

Impact

Power generation
700W of energy is
generated from the
steam that was being
otherwise wasted



Case Study 4 - Edible oil refinery in Andhra Pradesh





Edible oil refinery in Andhra Pradesh

Context

The company
one of the top Edible Oil
Manufacturers Andhra
Pradesh

Solution

TurboTech's Turbine
After understanding the
plant's requirement
TurboTech suggested a
MK11 - Single Stage
Back Pressure Turbine

Impact

Power generation
600W of energy is
generated from the
steam that was being
otherwise wasted



Case Study 5 - Edible oil refinery in Karnataka





Edible oil refinery in Karnataka

Context

The company
Is the largest FMCG
brand in India with
presence all over the
world

Solution

TurboTech's Turbine
After understanding the
plant's requirement
TurboTech suggested a
MK7 - Single Stage Back
Pressure Turbine

Impact

Power generation
170kW of energy is
generated from the
steam that was being
otherwise wasted





www.turbotechindia.com
info@turbotechindia.com

+91 6266024114
+91 6366024779
+91 9448992684

Head Office
28, 7th Cross Rd, Central Excise
Layout, Sanjaynagar, Bengaluru,
Karnataka – 560094

Production Facility
Survey No. 8/2, Honnasandra
Village, Kasaba Hobli, Nelamangala,
Bangalore Rural , Karnataka 562123

Thank you

