

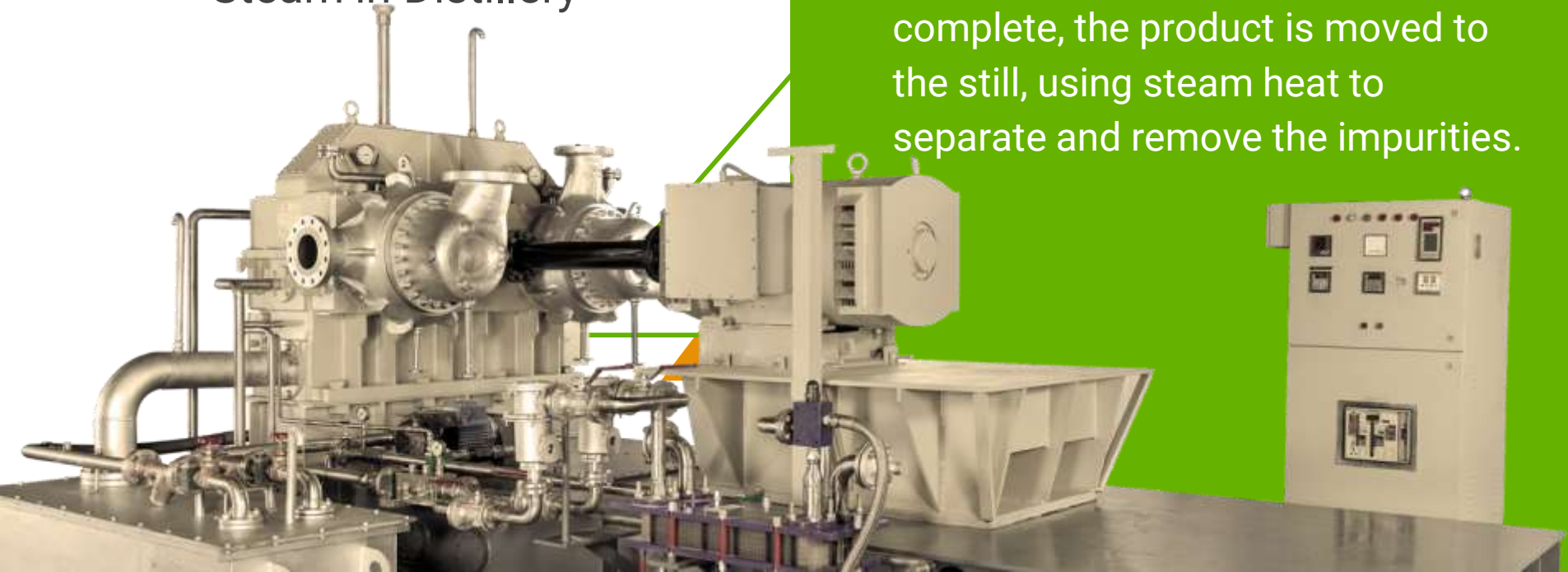
Distillery industry case studies



Introduction

Steam in Distillery

In a distillery during fermentation, the mash is heated with steam to transform the carbs to sugars. Steam is required for successful fermentation. Once fermentation is complete, the product is moved to the still, using steam heat to separate and remove the impurities.



Case Study 1 – Distillery in Tamil Nadu





Distillery in Tamil Nadu

Context

The company has a distillery and a brewery unit in Tamil Nadu, where it has an annual manufacturing capacity of 10 million cases and 9 million dozens at the brewery.

Solution

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

Impact

Power generation
340kW of energy is generated from the steam that was being otherwise wasted



Case Study 2 – Distillery in Maharashtra





Distillery in Maharashtra

Context

The company
is a leading distillery
brand in India

Solution

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

Impact

Power generation
250kW of energy is
generated from the
steam that was being
otherwise wasted



Case Study 3 - Distillery in Tamil Nadu





Distillery in Tamil Nadu

Context

The company
produces over 60,000
litres of Industrial
Alcohol and Extra
Neutral Spirit per day
from sugarcane
molasses

Solution

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

Impact

Power generation
175kW of energy is
generated from the
steam that was being
otherwise wasted



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Thank you

