

# Global Needle Coke Market: Size, Trends & Forecasts (2018- 2022)

July 2018

# Global Needle Coke Market: Coverage

Executive Summary and Scope

Introduction/Market Overview

Global Market Analysis

China Market Analysis

Dynamics

Competitive Landscape

Company Profiling

# Global Needle Coke Market: Coverage

## Scope of the Report

Attributes	Details
Title	Global Needle Coke Market: Size, Trends & Forecasts (2018-2022)
Coverage	Global and China
Market Influencing Variables	Growth Drivers, Challenges, Market Trends
Forecast Period of Market	2018-2022
Competition in the Market	Dominated
Key Players	Phillips 66, Mitsubishi Chemical Holdings Corporation, JXTG Holdings, Inc., Indian Oil Corporation Ltd.

# Global Needle Coke Market

## Executive Summary

Needle coke is a high value, petroleum coke based raw material primarily used in the production of graphite electrodes for the electric arc furnaces (EAF) based steelmaking and lithium-ion batteries. Needle coke can take up to six months to convert coke into graphite electrodes, including baking and rebaking process. Needle coke is used in graphite electrodes because it reduces the risk of fractures by expanding along the length. The end-users of the needle coke are steel industry, lithium-ion battery industry, aluminium industry, aerospace, etc.

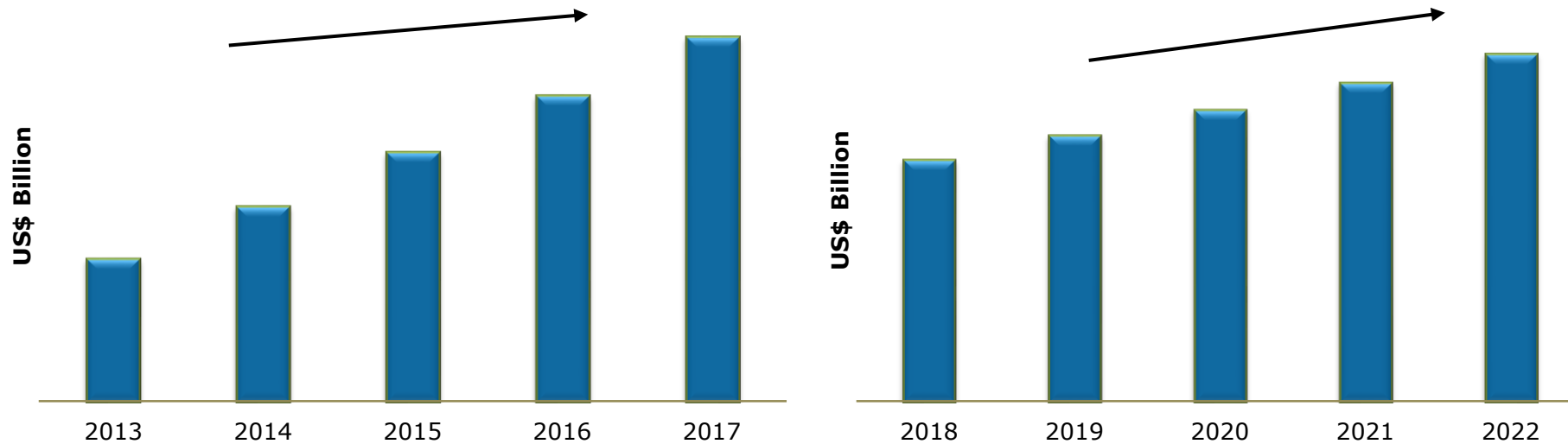
The qualities of the modern needle coke are low coefficient of thermal expansion, high aspect ratio, sufficient strength, low puffing, good density, low ash, low sulfur, low nitrogen, etc. The raw materials used for the needle coke production are petroleum Fluidised catalytic cracker decant oils (FCCDO), petroleum low-sulfur vacuum residues (LSVR), coal-tar pitches (CTP), ethylene tar pitches (ETP) and solvent refined coal (SRC).

Needle coke has a long history with continuously evolving environmental friendly needle coke. The needle coke market can be segmented on the basis of type, grade, application and end-users.

The global needle coke market has increased at a significant CAGR during the years 2013-2017 and projections are made that the market would rise in the next four years i.e. 2018-2022 tremendously. The needle coke market is expected to increase due to growth in global GDP, growing needle coke demand in graphite electrodes, rapid growth in electric vehicles production, growing needle coke demand in lithium-ion batteries, etc. Yet the market faces some challenges such as increasing graphite electrodes prices, increasing needle coke prices, slow steel production growth, decline in graphite electrodes capacity, environmental concerns, etc.

# Needle Coke Market: Global Analysis

Global Needle Coke Market by Value



CAGRs	
2013-2017	xx%
2018-2022	xx%

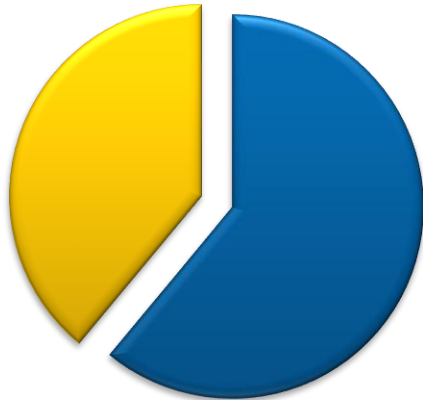
The global needle coke market, valued at US\$... billion in 2017, increased as compared to US\$... billion in 2016 at a CAGR of ...% from 2013 to 2017. The global needle coke market is anticipated to reach up to US\$... billion by 2022 from US\$... billion in 2018..

# Needle Coke Market: Global Analysis

Global Needle Coke Market by Region; 2017



Global Needle Coke Market by Segments; 2017



Segments	Share	CAGR
Petroleum Needle Coke	xx%	xx%
Pitch Needle Coke	xx%	xx%

# Needle Coke Market: Global Analysis

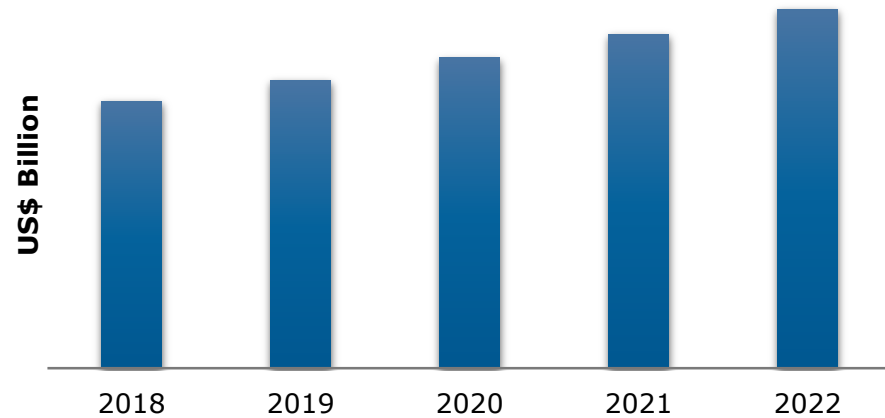
**Global Needle Coke Market by Applications; 2017**



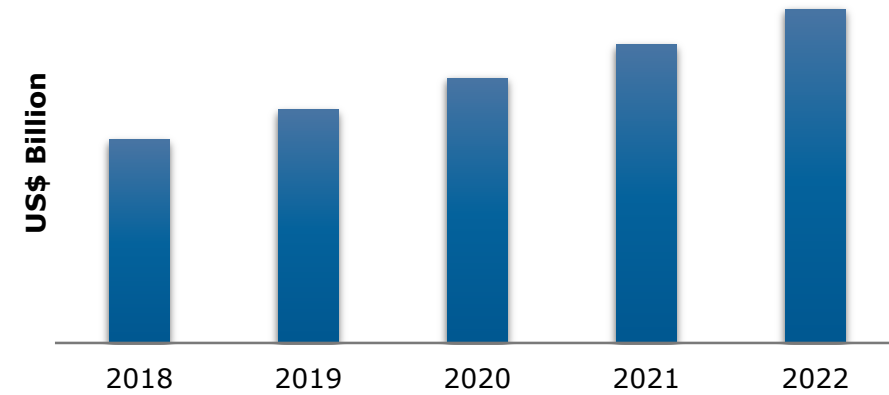
Applications	Share
Graphite Electrode	xx%
Special Carbon Material	xx%
Other	xx%

# Needle Coke Market: Segment Analysis

## Petroleum Needle Coke Market by Value



## Pitch Needle Coke Market by Value

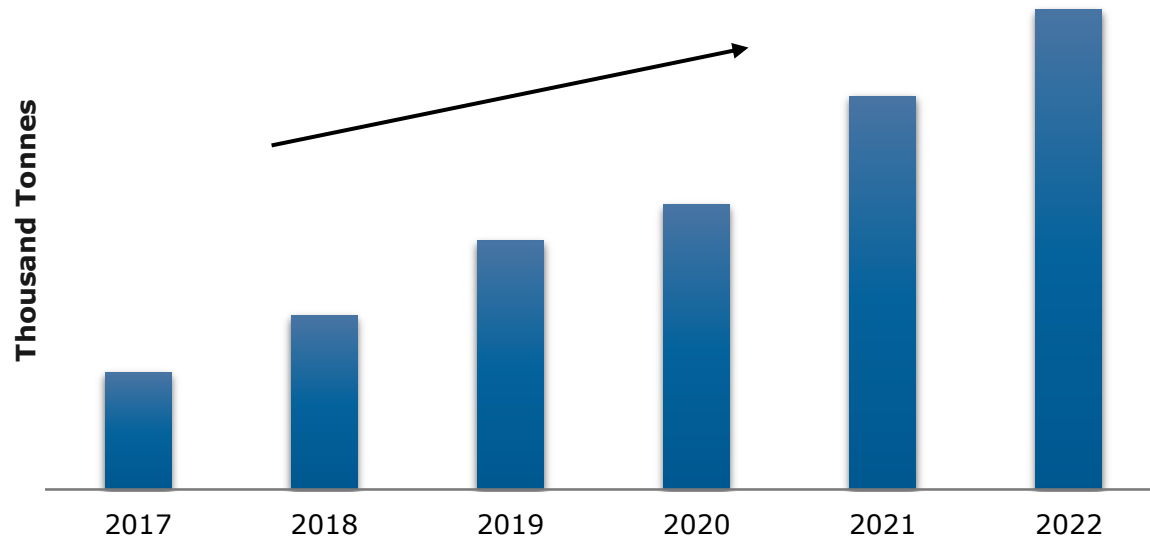


Segments	CAGR
	2018-2022
Petroleum Needle Coke	xx%
Pitch Needle Coke	xx%



# Needle Coke Market: China Analysis

## China Needle Coke Market by Production Capacity

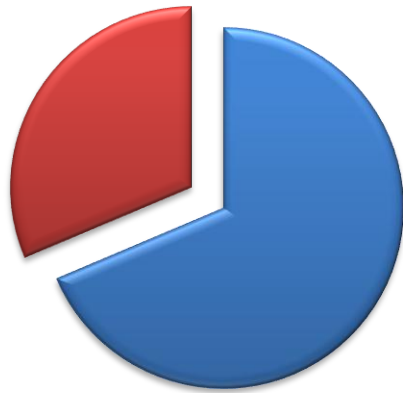


CAGRs	
2018-2022	xx%

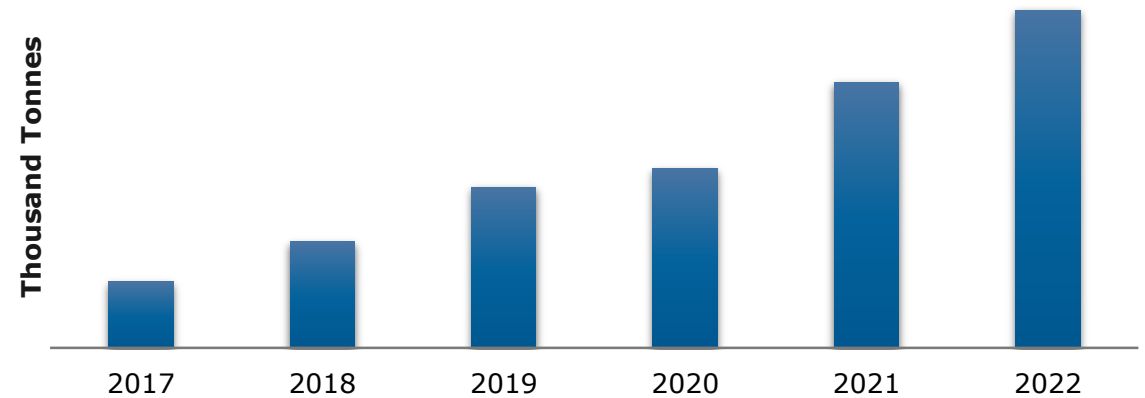
The China needle coke market by production capacity, was at .... thousand tonnes in 2017. The China needle coke market is anticipated to reach up to ... thousand tonnes by 2022 from .... thousand tonnes in 2018..

# China Needle Coke Market: Segment Analysis

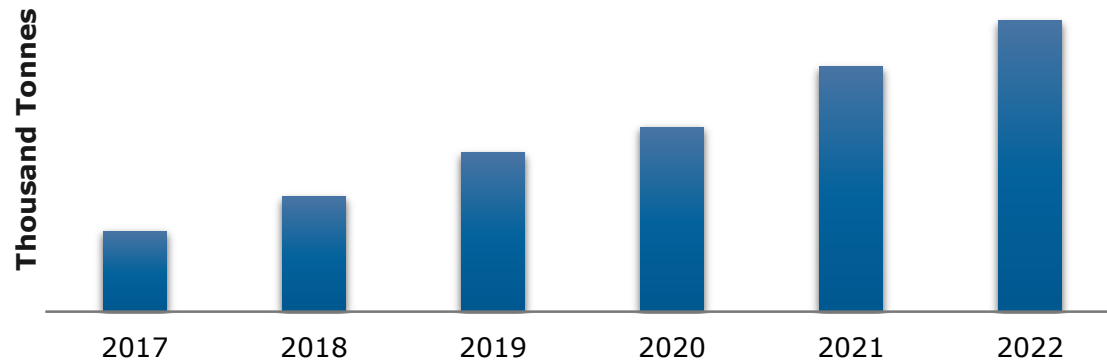
Needle Coke Production Capacity by Segments; 2017



Petroleum Needle Coke Market by Production Capacity

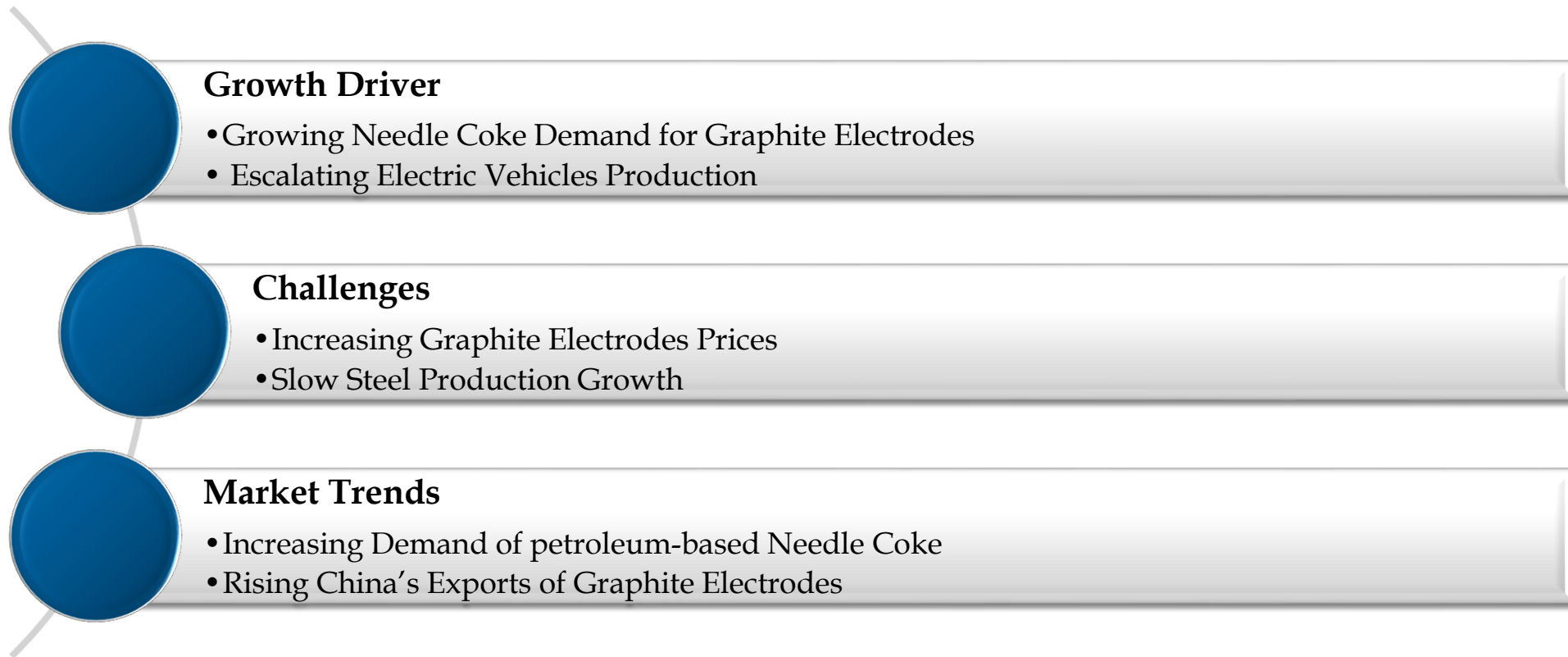


Pitch Needle Coke Market by Production Capacity



Segments	CAGR	Share
	2018-2022	2017
Petroleum Needle Coke	xx%	xx%
Pitch Needle Coke	xx%	xx%

# Needle Coke Market: Dynamics

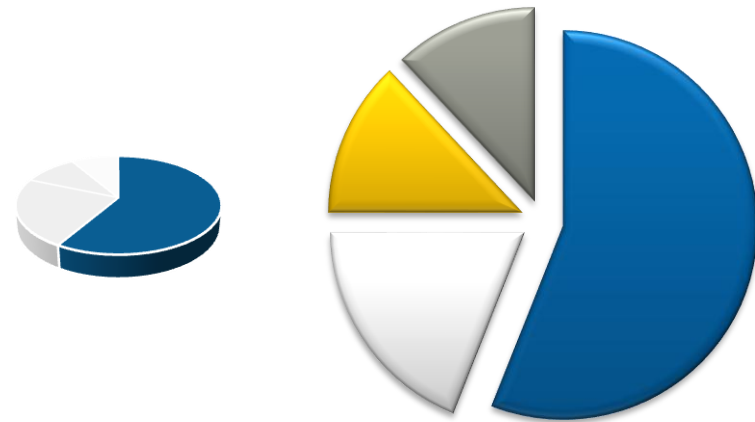


# Needle Coke Market: Competitive Landscape

## Players Profiled

- Phillips 66 
- Mitsubishi Chemical Holdings Corporation 
- JXTG Holdings, Inc. 
- Indian Oil Corporation Ltd. 

Global Petroleum Needle Coke Players by Market Share; 2017



Note: The graphs on this slide are only for sample representation.