China Coke Production Capacity Dynamic Tracking and Forecast

Sample Report Dec 15, 2021

Overview

☆ By chamber height ☆ By producing provinces

By Dec 15, 2021, China had 536.58 Mtpa of coke capacity in operation, 14.58 Mtpa in drying and heating stage, 120.39 Mtpa under construction, 151.47 Mtpa planned to build and 26.14 Mtpa closed, according to Fenwei's survey.

By chamber height, the capacity of mechanical coke ovens below 4.3m was **Mtpa, accounting for 19.84% of China's operating coke ovens. The capacity of 5-5.5m coke ovens was ** Mtpa, accounting for 33.14%, that of above 6m ovens was ** Mtpa or 44.60% and heat recovery ovens was ** Mtpa or 2.4%.

By province, the top four producing provinces were Shanxi, Hebei, Inner Mongolia and Shandong, with ** Mtpa, **Mtpa, ** Mtpa and ** Mtpa of capacity in operation respectively. Their combined capacity accounted for 54.02% of China's total, with Shanxi alone at 23.63%.

Newly-added and Closed

☆ Net-added ☆ By province ☆ By company

By Dec 15, 2021, ** Mtpa of coke capacity was added and 26.14 Mtpa was phased out, bringing ** Mtpa of net-added coke capacity.

In Shanxi, **Mtpa was added, ** Mtpa was eliminated and net-added capacity reached **Mtpa. In Hebei, ** Mtpa was added, ** Mtpa was eliminated and net-reduced capacity reached **Mtpa. In Henan, ** Mtpa was added, ** Mtpa was shut down and net-added capacity reached ** Mtpa.

Forecast

☆ 2021 ☆ 2022

During Jan-Dec, 2021, ** Mtpa of coke capacity is estimated to be added and ** Mtpa to be eliminated, sending net-added capacity to ** Mtpa. Some **Mtpa is in heating-up and expected to be put into production successively within the next three months.

In 2022, **Mtpa of coke capacity is estimated to be added and ** Mtpa to be eliminated, with net-added capacity at ** Mtpa.

Remarks:

- ✧ Forecast of coke capacity to be added or eliminated will be updated in the latest issue based on our survey.
- ✧ Coverage: China's independent and steel mill associated coking plants, excluding semi-coke.
- ✧ Update: The data will be updated in the middle and end of each month, and to be postponed to the next working day when it is official holiday.

China coke capacity summary as of Dec 15, 2021 (Mtpa)

1. Coke capacity by chamber height

Height	Operating	Heating-up	Constructing	Proposed	Closed
⩽4.3m					
5 -5.5m					
6-6.5m (excl.6.5m)					
6.5-7m (excl.7m)					
⩾7m					
HRCO					
Unclear					
Total					

2. Coke capacity by main producing provinces

Province	Operating	Heating-up	Constructing	Proposed	Closed
Shanxi					
Hebei					
Inner Mongolia					
Shandong					
Henan					
Liaoning					
Jiangsu					
Xinjiang					
Anhui					
Yunnan					
Shaanxi					
Heilongjiang					
Sichuan					

Note: The main producing provinces are those with 2020 coke output exceeding 10 Mt. The closed capacity is the cumulative figure for the current year.

China newly-added and closed coke capacity and forecast by Dec, 2021 (Mtpa)

1. Nationwide net-added coke capacity

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	H1 Dec	H2 Dec	Jan-Dec
Newly-added														
Closed														
Net-added														

Note: Data for the latter half of Dec is the forecast data

2. Net-added coke capacity by main provinces

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	H1 Dec	H2 Dec	Jan-Dec
Shanxi	Newly-added														
	Closed														
	Net-added														
Hebei	Newly-added														
	Closed														
	Net-added														
Henan	Newly-added														
	Closed														
	Net-added														
Inner Mongolia	Newly-added														
	Closed														
	Net-added														
Ningxia	Newly-added														
	Closed														
	Net-added														
Anhui	Newly-added														
	Closed														
	Net-added														

Note: Data for the latter half of Dec is the forecast data

3. Net-added coke capacity by company

No.	Company	Province	City	Affiliated to steel mill	Capacity (Mtpa)	Chamber height (m)	Bank	Oven	Coal charging	Status	On-stream time
1	Hebei Xinxing Energy Technology Co., Ltd.	Hebei	Handan	Y	0.97	7.15	1	69	Stamp	Operating	2021/10
2	Hejin Yumenkou Coking Co., Ltd.	Shanxi	Yuncheng	N	0.86	6.8	1	62	Stamp	Operating	2021/10
3	Xiangyuan Hongda Coal Chemical Co., Ltd.	Shanxi	Changzhi	N	0.64	6.25	1	66	Stamp	Operating	2021/10
4	Ma'anshan Iron & Steel Co., Ltd. Coal Coking Branch Co.	Anhui	Ma'anshan	Y	0.55	7	1	50	Top	Operating	2021/10
											2021/10
											2021/11
											2021/11
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											2021/12
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											2021/12

No.	Company	Province	City	Affiliated to steel mill	Capacity (Mtpa)	Chamber height (m)	Bank	Oven	Coal charging	Status	On-stream time
											2021/12
											2021/12
											2021/12
											2022/1
											2022/1
											2022/1
											2022/2
											2022/2
											2022/2
											2022/3

Note: This table contains the actual data of coke ovens in operation and drying & heating stage during Oct-Dec 15. Coke oven data with on-stream time after Dec 15 is the forecast data.

4. Coke capacity eliminated by company

No.	Company	Province	City	Affiliated to steel mill	Capacity (Mtpa)	Chamber height (m)	Bank	Oven	Coal charging	Status	Shutdown time
1	Shanxi Jinyan Hejia Energy Co., Ltd.	Shanxi	Lvliang	N	0.30	4.3	1	49	Stamp	Closed	2021/10
2	Hejin Yumenkou Coking Co., Ltd.	Shanxi	Yuncheng	N	0.60	4.3	2	50	Stamp	Closed	2021/10
3	Ma'anshan Iron & Steel Co., Ltd. Coal Coking Branch Co.	Anhui	Ma'anshan	Y	0.45	4.3	1	65	Top	Closed	2021/10
4	Ma'anshan Iron & Steel Co., Ltd. Coal Coking Branch Co.	Anhui	Ma'anshan	Y	0.45	4.3	1	65	Top	Closed	2021/10
											2021/11
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No.	Company	Province	City	Affiliated to steel mill	Capacity (Mtpa)	Chamber height (m)	Bank	Oven	Coal charging	Status	Shutdown time
											2021/12
											2021/12
											2021/12
											2021/12
											2021/12
											2021/12
											2022/1
											2022/1
											2022/1
											2022/1

Note: Coke oven data with shutdown time after Dec is the forecast data.

Forecast of coke capacity to be added or eliminated in 2022 (Mtpa)

	2022												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Newly-added													
Closed													
Net-added													

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