



# Insights on Construction and Demolition Waste Recycling Industry Report

Featuring FIVE provinces in South and West China

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# Welcome



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# I. An overview of China's construction and demolition waste industry

City	Province	City	Province
Beijing	/	Jinan	Shandong
Tianjing	/	Qingdao	Shandong
Handan	Hebei	Linqi	Shandong
Hohhot	Inner Mongolia	Tai'an	Shandong
Shanghai	/	Zhengzhou	Henan
Suzhou	Jiangsu	Xuchang	Henan
Changzhou	Jiangsu	Luoyang	Henan
Nantong	Jiangsu	Shangqiu	Henan
Yangzhou	Jiangsu	Changsha	Hunan
Hangzhou	Zhejiang	Guangzhou	Guangdong
Jinhua	Zhejiang	Shenzhen	Guangdong
Huzhou	Zhejiang	Dongguan	Guangdong
Huai'an	Anhui	Nanning	Guangxi
Bengbu	Anhui	Liuzhou	Guangxi
Huaibei	Anhui	Chongqing	/
Fuzhou	Fujian	Chengdu	Sichuan
Quangzhou	Fujian	Yuxi	Yunan
		Xi'an	Shanxi



35 Pilots Cities for C&D Waste Disposal in China

# Market size

**UK** { **C&D waste accounted for 62%** of total amount of UK waste (0.22 billions tonnes) in 2018.

**China** { **C&D waste in the 35 pilots cities accounted for 60%** of the total amount of waste in China.

2018		2019		2020		2021	
35 pilot cities	National	35 pilot cities	National	35 pilot cities	National	35 pilot cities	National
1.31	2.45	1.36	2.52	1.41	2.6	1.45	2.69

Unit: billion tonnes

# China's current processing capacity

## China's annual recycling capacity $\approx$ 700 million tonnes

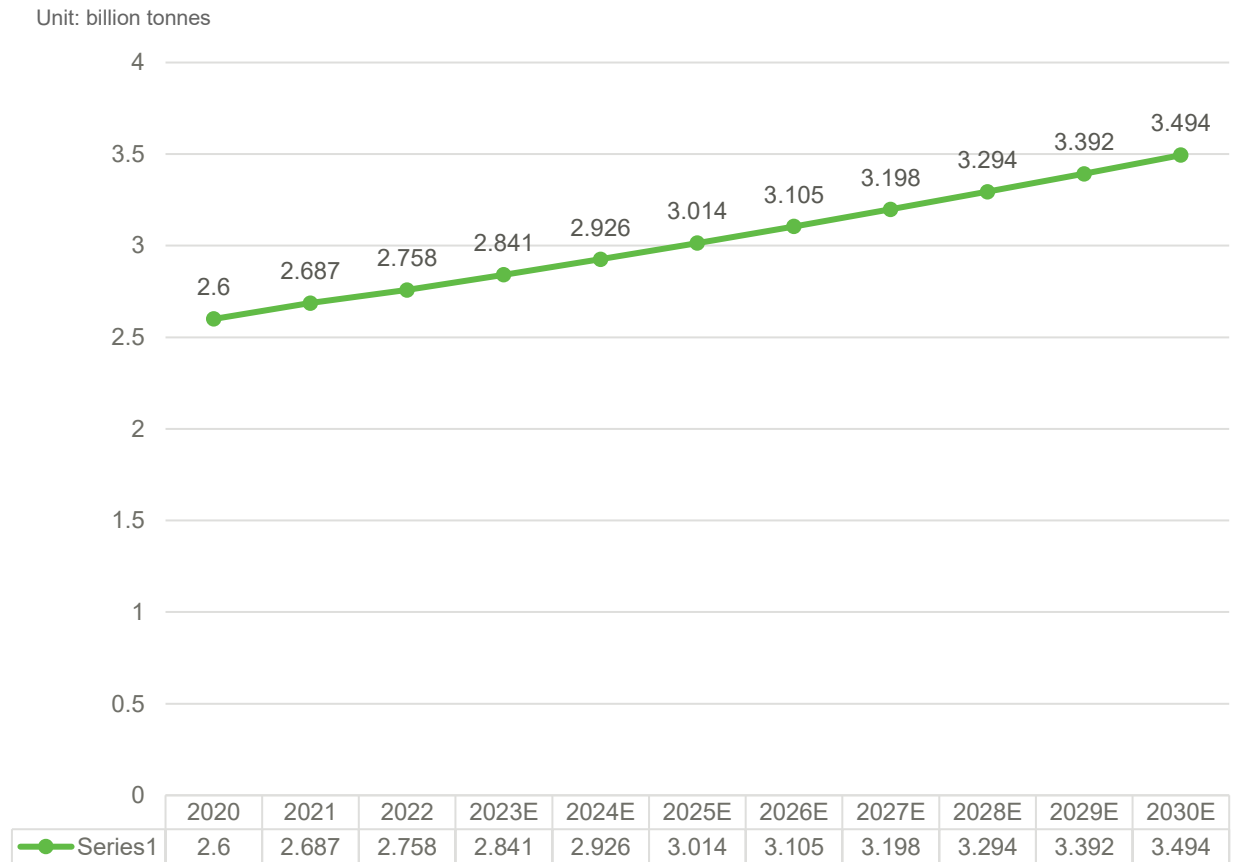
- 200 C&D recycling projects over 1 million tonnes/per year capacity  $\approx$  200,000,000
- SEMs recycling and utilisation capacity reached 500 million tonnes/ per year  $\approx$  500,000,000

**The recycling rate of C&D waste in China is about 40%**, an estimated 2.75 billion C&D waste generated in 2022.

# A forecast of construction and demolition waste output in 2030

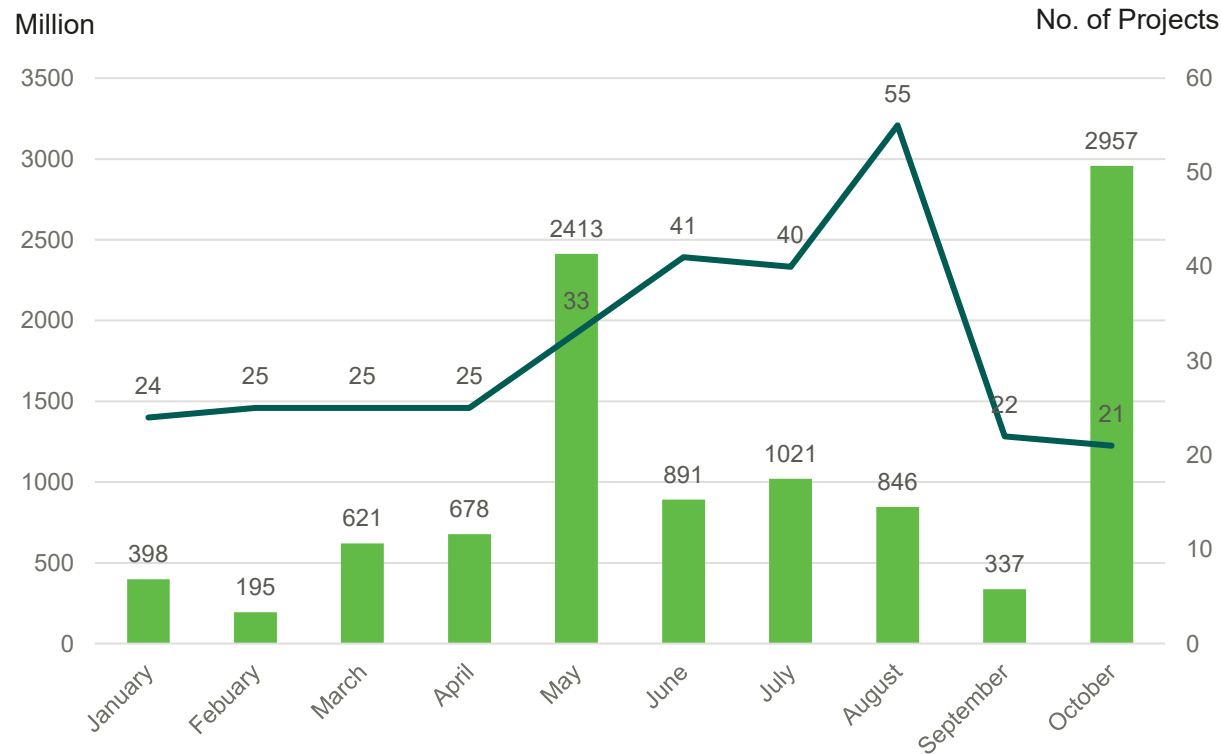
**Forecast:** According to the accumulated data from 35 pilot cities from 2018 to 2021 and the comprehensive national waste generation statistics by year, **the national construction and demolition waste output is estimated to reach 3.494 billion tonnes in 2030**

**Development Trends:** According to the data released by the National Bureau of Statistics, China's construction and demolition waste recycling market was estimated about 65.4~246.4 billion RMB in 2020, **with a forecasted annual growth rate of 7%.**



# Key observations of the C&D waste recycling industry in China

C&D Waste Recycling Bid Winning Projects and Amount from Jan to Oct in 2021



1. The overall Chinese construction and demolition waste recycling industry is steadily growing.

2. Being Low-carbon emission and environmental-friendly are new requirements.

3. Mobile crushing and screening equipment are gaining more attention in the Chinese market.

4. Upsizing of mobile crushing and screening units is an inevitable trend.

The C&D waste industry has become a popular industry in recent years, with the market size exceeded 100 billion yuan in 2020.

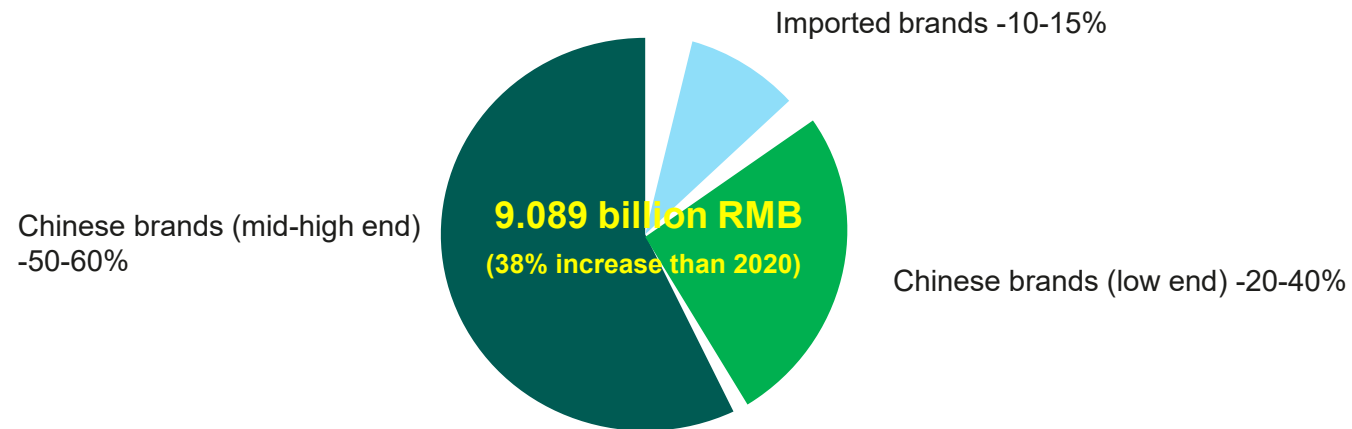


# Competitive landscape

**Competitor Perspective:** Keestrack, SMI, TOMRA, Mesda, Kreat, Henan Dingsheng, Shanghai Shibang Machinery (SBM)

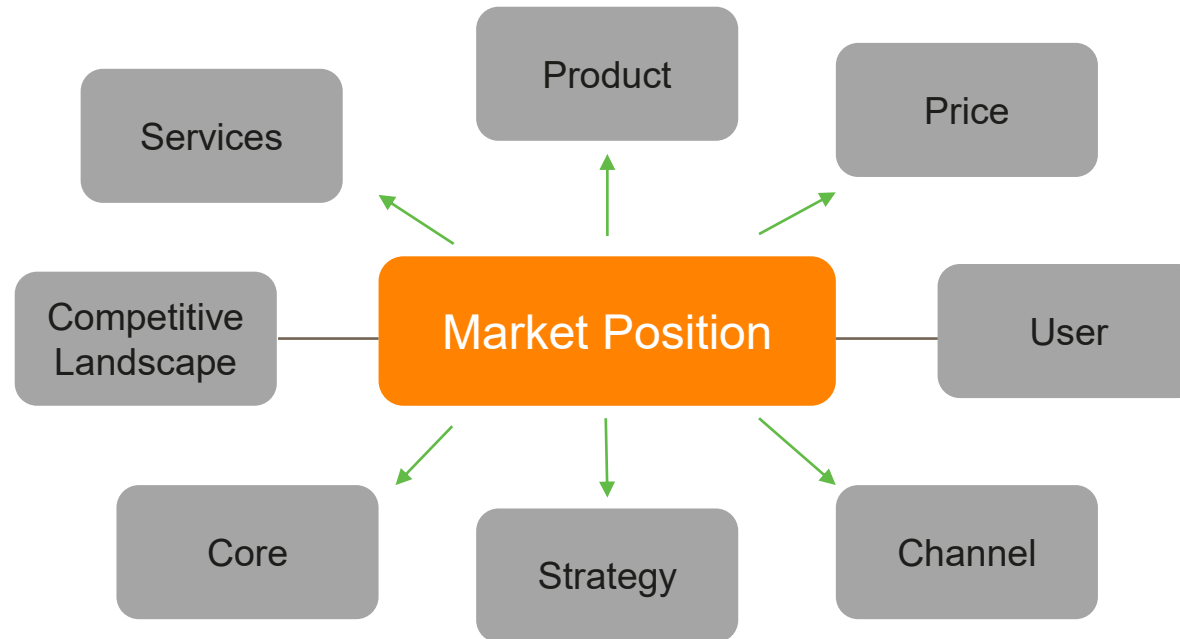
**Product Perspective:** More companies become capable of overall equipment crushing and screening solutions

## Market share of crusher and screeners (including stationery and mobile)



*Statistics from the China Association of Environmental Protection Industry in 2021*

# Challenges within the Chinese market

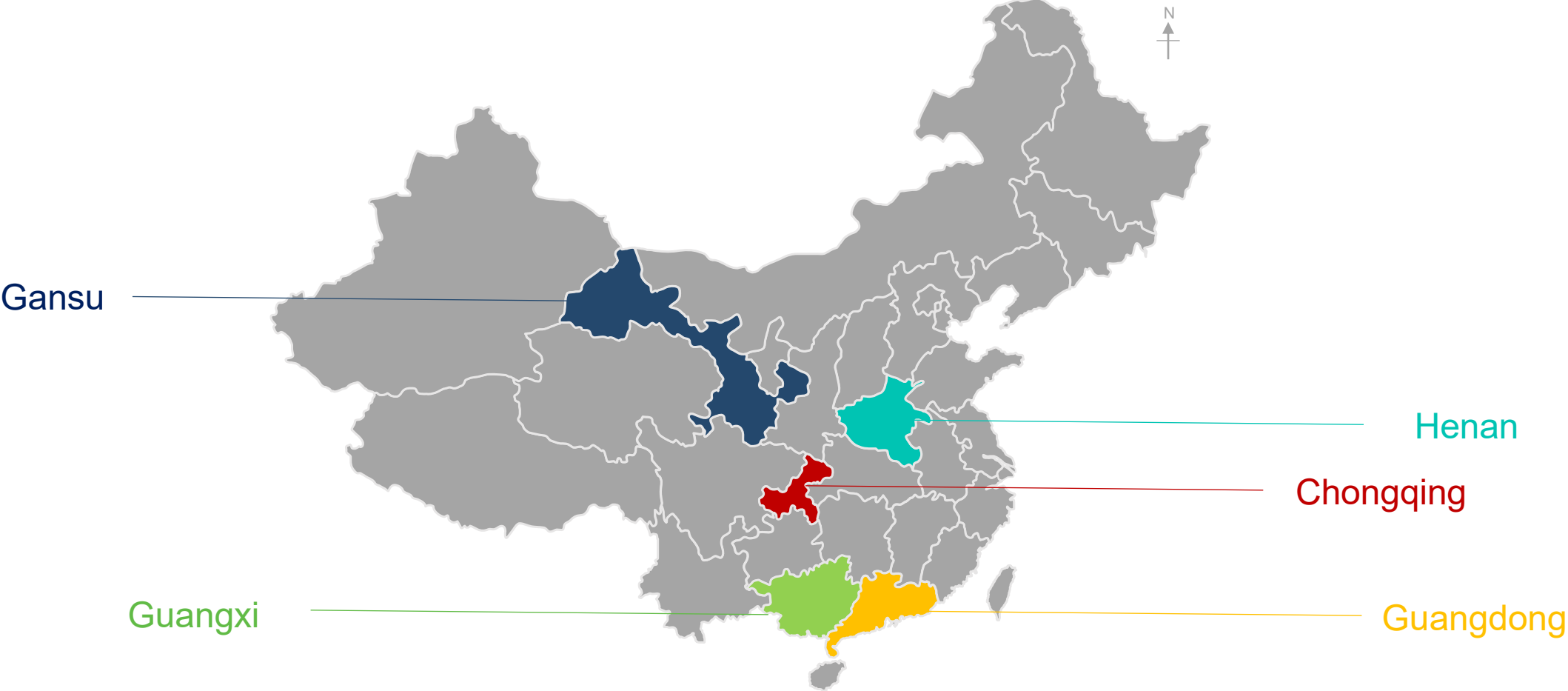


# Market opportunities and suggestions



- Find a distributor in China
- Low carbon and green products (Hybrid, electronic) – to meet China’s low carbon economy development requirements
- Localise vulnerable parts – lower cost and faster service
- Undertake user cost reports – proof for balance and performance
- Regional differentiation - prioritise high-profile local cooperation partners and strategize target regions;

# II. An overview of the construction and demolition waste recycling industry in five provinces in South and West China



# The construction and demolition waste output and recycling rates in the five provinces

Unit: Million Tonnes

Province	Recycling Rate 2020	2020	2019	2018	2017	2016	Key City
Guangdong	≥60%	45.4858	41.7742	36.4969	29.8223	26.9073	Guangzhou, Shenzhen, Foshan
Guangxi	≤30%	49.96	44.2124	35.5892	28.7409	23.2892	Nanning, Liuzhou
Chongqing	≥40%	41.2156	39.5924	38.0330	37.1170	37.9544	
Gansu	≤10%	5.3971	5.2915	4.9462	4.8399	5.1591	Lanzhou, Tianshui
Henan	≥85%	32.6487	31.8066	31.5759	27.5689	27.6131	Zhengzhou, Xuchang, Luoyang

Note: Excluding muck, and the recycling rate is calculated by demolition waste

# Development trends in the five provinces

**Big cities** seeking efficiency in recycling will have a great demand for imported machines.

**Small cities** would prefer domestic products at a lower price.

## Market current status:

Cities with a large number of construction project cannot meet the C&D waste output requirements in terms of recycling rates; Smaller cities are lacking systems and management, many construction project contractors who are responsible for waste recycling choose to dispose of waste illegally instead of recycling.

## Market end users:

Cities with a large number of construction projects will likely see large enterprises conduct demonstration projects (mainly in the form of industrial parks), and small and medium-sized enterprises conduct municipal projects.

Cities with fewer construction projects will likely work with larger enterprises with investment from governments (e.g. local urban construction investment companies, as they have land resources) and seek to monopolise a majority of projects by merging, acquiring or working with small or medium-sized enterprises. Large enterprises will likely dominate the range of C&D waste resources and their exclusivity therefore become controlled by national policy.

# The key provincial/municipal C&D waste regulations, operating mechanisms within the five provinces

## Waste regulation and operation authorities in the five provinces and their responsibilities

Implementing department	Responsibility
Urban Management Bureaus (or Commission of Housing and Urban-Rural Development)	<ol style="list-style-type: none"> <li>1) Leading the construction of a pilot city for construction and demolition waste recycling</li> <li>2) Responsible for the franchise of construction and demolition waste recycling and utilisation</li> <li>3) Responsible for the development of technical standards and the promotion and application of products related to the resource recycling of construction and demolition waste</li> </ol>
Provincial and municipal development and reform commissions	<ol style="list-style-type: none"> <li>1) Establishment of major projects for construction and demolition waste in each region</li> <li>2) Incorporating construction and demolition waste transportation and recycling costs for construction-type projects into project estimates</li> </ol>
Other departments such as Commission of Economy and Informatisation, Science and Technology Bureaus, Finance Bureaus	Information communication, technical guidance, supervision and funding to advance the project process

# The market demand in the five provinces

Province	Market demand	
	Equipment demand	Technical demand
Guangdong	Mobile crushing and screening machines, slurry recycling equipment, high-efficiency sorting equipment for decoration waste, spraying equipment for dust control	Technologies to reduce construction and demolition waste at source and to prepare high value-added recycled products
Guangxi	Mobile crushing and screening machines, modular small crushing equipment, spraying equipment for dust control	Technologies to reduce construction and demolition waste at source and to prepare high value-added recycled products
Chongqing	Mobile crushing and screening equipment, modular small stationary crushing equipment	Technologies to reduce construction and demolition waste at source and to sort waste on construction sites efficiently
Gansu	Stationary crushing and screening equipment, mobile crushing and screening equipment, dust control equipment, brick making equipment	Technologies to reduce construction and demolition waste at source, green construction technologies
Henan	Mobile crushing and screening equipment	Technologies to reduce construction and demolition waste at source



### III. Market Overview and suggestion for each province



# An overview of the C&D waste industry of Guangdong



Guangzhou – the Capital city of Guangdong



**Capital:** Guangzhou

**Key Cities:** Shenzhen, Dongguan, Foshan, Zhuhai.

**GDP:** 1<sup>st</sup> in 34 provinces and regions in 2021

Province	2016	2017	2018	2019	2020
Guangdong	26,907,35	29,822,36	36,496,99	41,774,2	45,485,85

Total amount of demolition waste in Guangdong (unit: tonnes)

# Market Features: Guangdong Province

1. **Except pilot** cities like Guangzhou, Shenzhen and Dongguan, other cities have more room for the development of C&D waste recycling.
2. During the “**14th Five-Year Plan**” period, the Guangdong government is actively planning waste recycling projects.
3. Other cities may not develop their own recycling pattern but mainly follow patterns after **Guangzhou or Shenzhen**.
4. **Policy guidance:** public facilities, municipal infrastructure projects and government investment project should give priority to the use of C&D waste recycling products.
5. **Financial support:** the Guangdong government requires all municipal and county-level governments to implement funding for C&D waste recycling in the government budget.

# Market access suggestion: Guangdong

1. To approach **aggregate, concrete, and contracting** companies applying for C&D waste recycling permits in Guangzhou and Shenzhen.
2. To seek for cooperation with **transportation enterprises and demolition companies** business in Zhuhai, Jiangmen, Shaoguan where has city renewal plans during “14th Five-Year Plan” period (2021-2025).
3. **Authorities:** Urban Management Bureaus in most cities in Guangdong, the Bureaus of Housing and Urban-Rural Development in Shenzhen.

# An overview of the C&D waste industry of Guangxi



**Nanning – the capital city of Guangxi**



**Capital:** Nanning  
**Key Cities:** Liuzhou, Guilin, Wuzhou.  
**GDP:** 20<sup>th</sup> in 34 provinces and regions in 2021

Year/Cities	Nanning	Liuzhou	Guilin	Wuzhou	Beihai	Fangchengga ng	Qinzhou	Guigang	Yulin	Baise
2019	36.23	38.24	8.14	3.25	2.04	1.79	3.90	1.82	8.81	0.81
2020	40.94	43.21	9.20	3.68	2.31	2.02	4.41	2.06	9.96	0.92

Demolition output by city in Guangxi over the years (in million tonnes)

# Market Features: Guangxi Province

1. Guangxi market overview: by March 2022, the only two pilot cities Nanning and Liuzhou **both have less than 30% recycling capacity**.
2. **No provincial plan for C&D waste** disposal and recycling during the “14th Five-Year Plan” period in Guangxi. Specific plans are mainly at the municipal level.
3. To date, the Guangxi government is currently planning to promote urban solid waste (including C&D waste) disposal facilities with **10 billion yuan investments**.

# Market access suggestion: Guangxi

1. To prioritise **concrete and brick companies** in mature markets in Nanning and Liuhzou.
2. Other cities in Guangxi, like Yulin, Hezhou, Wuzhou, and Guigang are expected to have an increase in demolition waste with increased **transportation facilities** in planning and under construction.
3. **Authorities: Urban Management Bureaus**, Bureaus of Housing and Urban-Rural Development and Traffic Management Bureaus.

# An overview of the C&D waste industry of Chongqing (Municipality)

## Chongqing city:

Chongqing, as a mountainous city, has few land resources that can provide enough grounds for C&D waste recycling. In order to achieve C&D waste sorting and reduction at source, Chongqing encourages recycling enterprises to enter the demolition or construction project sites, using temporary/mobile recycling equipment to handle C&D waste.

**GDP:** 17<sup>th</sup> in 34 provinces and regions in 2021



Chongqing – aka the Mountain City





# Market Features: Chongqing (Municipality)

1. Construction and demolition waste output in Chongqing has steadily increased since 2020, with demolition waste growing the fastest from 58% of the total to 65%. By the end of 2020, the total amount of construction and demolition waste reached 63,545,000 tonnes.
2. As of October 2021, three recycling projects have been completed and put into operation in Chongqing, with 10 decoration waste sorting sites and a recycling capacity of 3 million tonnes/year, and with a comprehensive recycling and disposal rate of 44.9% and a recycling rate of 33% for C&D waste.

	Type of target	Current (2020)	Near-term (2025)	Long-term (2035)
1	Classified collection rate of construction waste, demolition waste and decoration waste (proportion of the classified collection amount of construction waste, demolition waste and decoration waste to the total amount generated)	40%	≥70%	≥95%
2	Recycling rate of resources of construction and demolition waste (proportion of the resource utilisation amount of construction waste, demolition waste and decoration waste to the total amount of construction waste, demolition waste and decoration waste)	33%	≥53%	≥82%
3	Comprehensive recycling and disposal rate of construction and demolition waste (proportion of the backfill and resource utilisation amount of engineering muck and mud, construction waste, demolition waste and decoration waste to the total amount of construction and demolition waste)	44.9%	≥70%	≥85%

List of Chongqing's planning targets for C&D waste recycling

# Market Features: Chongqing (Municipality)

3. From the perspective of product assurance, policies such as the “Guidance of Chongqing Municipality on the Application of Construction and Demolition Waste Recycling Products (Interim)” were issued to encourage social investment projects to actively promote the application of C&D waste recycling products. Under the condition that the design, technical and functional requirements are met, priority will be given to the use of recycled C&D waste products in housing construction, municipal infrastructure, sponge city construction, foul and smelling water remediation, urban ecological restoration, landscape gardening and other projects invested and financed by the governments in the main urban area.

4. It is required that the governments of each district should give industrial, financial and other support, and give priority to allocating construction land and granting financial subsidies for C&D waste demonstration projects.

# Market access suggestion: Chongqing

1. A large increase in demolition projects is expected as part of **Chongqing's 2025-2035 plan**.
2. It is recommended to seek opportunities for cooperation with **brick factories and mixing station companies** to deal with the waste generated by Chongqing's subway construction.
3. **Authorities:** Urban Management Bureaus, Bureaus of Housing and Urban-Rural Development. Traffic Management Bureaus, Environmental Protection Bureaus.

# An overview of the C&D waste industry of Gansu



The Yellow River in Lanzhou



**Capital:** Lanzhou  
**Key Cities:** Tianshui, Pingliang.  
**GDP:** 29<sup>th</sup> in 34 provinces and regions in 2021

	2016	2017	2018	2019	2020
Gansu Province	5,159,093	4,839,932	4,946,238	5,291,510	5,397,134

Total amount of demolition waste in Gansu (unit: tonnes)

# Market Features: Gansu

1. Gansu's capital city Lanzhou's C&D waste recycling capacity is currently at the forefront of Gansu, with an annual C&D waste output of about 830,000 tonnes.
2. Lanzhou has an 80% construction waste recycling rate and a near 100% demolition waste recycling rate.
3. Gansu's average C&D waste recycling rate is low, at less than 10%.
4. The Gansu government does not have a "14th Five-Year Plan" for C&D waste.
5. Lanzhou, Tianshui, Pingliang cities provide land support to enterprises with recycling disposal licenses.

# Market access suggestion: Gansu

1. It is recommend to seek cooperation with Lanzhou's urban construction investment companies to participate the establishment of **C&D waste demonstration sites** as role model for other cities in the province.
2. Tianshui and Pingliang 's local **concrete enterprises or aggregate enterprises** are actively applying for permission to dispose of C&D waste.
3. Other cities like Zhangye, Jiuquan and Wuwei Cites are **not advised** as target regions for market access due to limited demand of recycling.

# An overview of the C&D waste industry of Henan



**Zhengzhou – Capital of Henan Province**



**Capital:** Zhengzhou  
**Key Cities:** Nanyang, Luoyang, Shangqiu, Xuchang.  
**GDP:** 5<sup>th</sup> in 34 provinces and regions in 2021

	2016	2017	2018	2019	2020
Henan	27,613,095	27,568,867	31,575,902	31,806,755	32,648,715

Total amount of demolition waste in Henan (unit: tonnes)

# Market Features: Henan

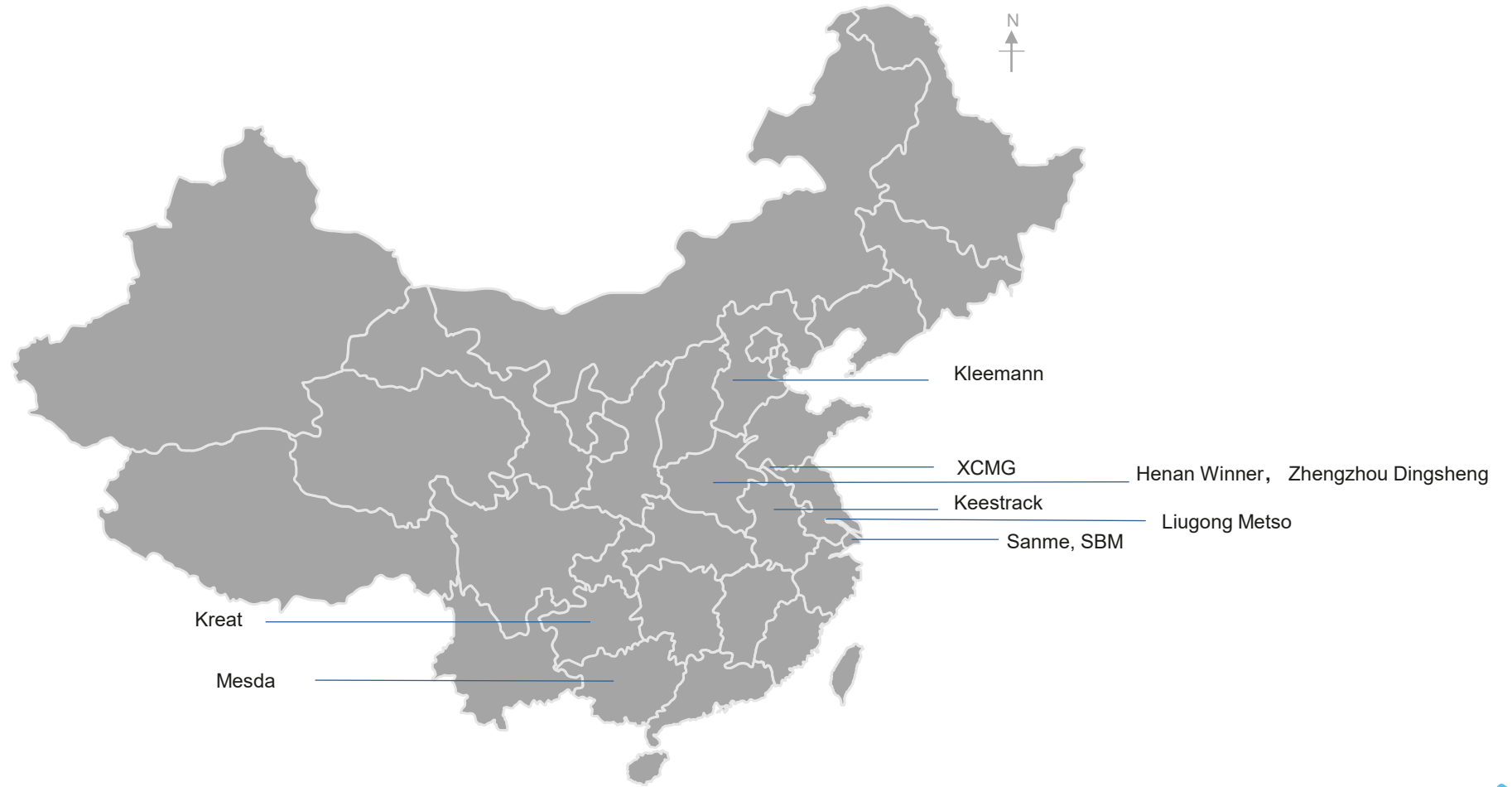
1. Henan is a province with large waste recycling with an **85% recycling rate for demolition waste**.
2. Henan is a **demonstration province for C&D waste recycling** and has 4 of the 35 pilot cities for C&D waste recycling including Zhengzhou, Luoyang, Xuchang and Shangqiu.
3. Henan government issued the “**14th Five-Year Plan**” of **Circular Economy**, which proposing the comprehensive recycling and disposal rate of C&D waste would reach 80% by 2025.
4. Pilot cities in Henan issued different policies to support the application of recycled products including: lowering the standard and quality requirements for mortar and pathway bricks, to encourage municipal projects such as city roads, river ways, parks and plazas, and give priority to recycled products.



# Market access suggestion: Henan

1. Henan, as China's demonstration province for construction and demolition waste recycling, has a large waste output, high market acceptance of recycled products, and is home to important C&D waste clusters (mainly in Zhengzhou and Xinxiang). Henan is a key strategic location to seek cooperation with partners, particularly **for localisation projects including machines or spare parts**.
2. Zhengzhou and Xuchang are pilot cities for C&D waste recycling. The markets are highly competitive. It is suggested mainly to promote mobile equipment, targeting local **mixing stations and environmental companies**, who plan to set up corresponding facilities and produce recycled aggregates to reduce production cost.
3. To prioritise partnership in cities such as Nanyang, Shangqiu, Luohe, Zhoukou, Pingdingshan where construction projects have been planned as part of the **“14th Five-Year Plan”**.
4. In accordance with Henan’s requirements for source reduction of C&D waste in Henan in 2022, C&D waste handling is required on construction projects sites along the railway line. Therefore, the demand **for mobile recycling equipment** are there.

# IV. Competitor Analysis



# Key Competitors

Type	Companies	No.
International manufacturers	Keestrack (Chuzhou) Engineering Machinery Equipment Co. Ltd.	1
	Liugong Metso Construction Equipment (Changzhou) Co., Ltd.	2
	Kleemann Co., Ltd.	3
Domestic manufacturers	Guangxi Mesda Engineering Machinery Equipment Co. Ltd.	4
	Shanghai SANME Mining Machinery Corp., Ltd.	5
	Xuzhou Construction Machinery Group (XCMG) Co., Ltd.	6
	Yunnan Kreat Heavy Industry Science and Technology Co., Ltd.	7
Screening machine manufacturer	Henan Winner Vibrating Equipment Co., Ltd.	8
EPC	Zhengzhou Dingsheng Engineering Technology Co., Ltd.	9
	Shanghai Shibang Machinery (SBM) Co., Ltd.	10

Type	Companies	Advantage:	Disadvantage:	No.
International manufacturers	Keestrack (Chuzhou) Engineering Machinery Equipment Co. Ltd.	Advanced R&D capability; High cost-effectiveness;	Low demand for heavy equipment; Insufficient promotion of miniaturised equipment;	1
	Liugong Metso Construction Equipment (Changzhou) Co., Ltd.	Customized capacity; Existing Sales Channel;	Poorer performance by localization	2
	Kleemann Co., Ltd.	Excellent working performance; After-sales support and stable parts supply capability;	Higher price; Slow to make strategic decisions;	3
Domestic manufacturers	Guangxi Mesda Engineering Machinery Equipment Co. Ltd.	Mature technology development and intelligent production capacity; Rich government resources;	Business coverage needs to be improved; Overpriced;	4
	Shanghai SANME Mining Machinery Corp., Ltd.	International brand with good cost-effectiveness; Precise marketing;	Mobile sorting equipment technology needs to be improved;	5
	Xuzhou Construction Machinery Group (XCMG) Co., Ltd.	Strong in science and technology; Diverse customer base;	Heavy management system burden and an awkward positioning;	6
	Yunnan Kreat Heavy Industry Science and Technology Co., Ltd.	Capturing core users; Focusing on R&D;	Emerging companies need to improve their overall strength;	7
Screening machine manufacturer	Henan Winner Vibrating Equipment Co., Ltd.	Focusing on R&D Wide range of industrial sectors;	Less publicity and marketing effort in China;	8
EPC	Zhengzhou Dingsheng Engineering Technology Co., Ltd.	Acquiring good international brands- RCT (Austria) and REV (Italy); Active development of technology;	Product quality needs to be improved;	9
	Shanghai Shibang Machinery (SBM) Co., Ltd.	Crushing technology is advanced on par with international brands Customer base	Equipment-specific technology needs to be improved	10

Type	Companies	Projects	Regions	Supplied Product	No.
International manufacturers	Keestrack (Chuzhou) Engineering Machinery Equipment Co. Ltd.	Anhui construction and demolition waste Mobile Crushing and Screening Recycling Project	Anhui Province	R3E Track-mounted Mobile Impact Crushing Equipment; K3E Track-mounted Mobile Heavy Duty Screening Equipment	1
		Fengcheng Environment-friendly Road Materials Production (1 Million Tonnes per Year) Project	Fengcheng	B3 Jaw Crushing Plant	
	Liugong Metso Construction Equipment (Changzhou) Co., Ltd.	Southern Section of Xi'an Outer Ring Construction and Demolition Waste Recycling Project	Xi'an	Lokotrack LT Series Mobile Crushing Plant	2
		Beijing Sub-centre Construction and Demolition Waste Recycling Project	Beijing	LMI1213ES Track-mounted Mobile Impact Crushing Plant	
		Xiong'an Rongdong Area One- million-ton Construction and Demolition Waste Project	Xiongan New Area	Lokotrack LT Series Mobile Crushing Plant	
	Kleemann Co., Ltd.	Xiqing District Solid Waste Comprehensive Recycling and Disposal Project	Xiqing District, Tianjin	MOBICAT mobile jaw crushers; MOBISCREEN mobile screening equipment	3
		Xuchang Recycled Building Materials Production Base	Xuchang	MOBICONE mobile cone crushers; MOBISCREEN mobilescreening equipment	

Type	Companies	Projects	Regions	Supplied Product	No.
Domestic player	Guangxi Mesda Engineering Machinery Equipment Co. Ltd.	Shandong Expressway Construction and Demolition Waste Recycling Project	Shandong Province	Mobile (track-mounted) crushing and screening line	4
		Huai'an Construction and Demolition Waste Recycling Project	Huainan	MC-3000YCS track-mounted Mobile Cone Crusher	
		Ecological Construction Company Construction and Demolition Waste Recycling Project	Xiongan New Area	Track-mounted mobile jaw crushing plant	
	Shanghai SANME Mining Machinery Corp., Ltd.	Xiangshui County Decoration and Construction and Demolition Waste Recycling Project	Yancheng	JC Series European Jaw Crusher, SMG Series Single-cylinder Hydraulic Cone Crusher, ZK Series Linear Vibrating Screen	5
		Zhuji Construction and Demolition Waste Resource utilisation Project	Shaoxing	Complete sets of sorting and recycling lines for construction and demolition and decoration waste	
		Luoshan County (Xinyang, Henan Province) Shicai Park Solid Waste Industrial Park Phase I Project	Xinyang	JC Series European Jaw Crusher, SMS Series Multi-cylinder Hydraulic Cone Crusher, ZSWF/ZSFA Series Heavy Duty Feeder Screen, CMFS Series High-efficient Gravel Separator	
	Xuzhou Construction Machinery Group (XCMG) Co., Ltd.	Panmashan Construction and Demolition Waste Recycling Project	Wenling	PE series Jaw crusher, PY series Multi-cylinder Hydraulic Cone Crusher, FY and FT series Screener	6
Yantai Construction and Demolition Waste Recycling Project		Yantai	XPF1112 Mobile Impact Crushing Plant		
Yunnan Kreat Heavy Industry Science and Technology Co., Ltd.	Construction and Demolition Waste Stationary Recycling Project in Zhucun Street, Zengcheng District, Guangzhou	Guangzhou	Stationary Jaw Crusher, Stationary Bar Screener	7	



## KC-440RS Tracked Mobile Cone Crusher

- Capacity: 500tph
- External power mode;
- Automatic frequency conversion feeding;
- Intelligent data monitoring;

Price: 2,000,000RMB / 242,462GBP



## KSZ-682 Tracked Mobile Scalper

- Capacity: 500tph
- Weight: 35
- Double screen
- Full hydraulic drive
- 93km Cummins Engine

Price: 1,100,000RMB / 133,355GBP



## KI-5300RS Tracked Impact Crusher

- Capacity: 500tph
- Weight: 63.5t

Price: 2,400,000RMB / 290,954GBP



### Service

- 30 minutes customer service responding.
- 24 hours spare part or engineer to the project sites.
- Problem to solve within 2 days national wide.



### MD-J10E

Mobile Jaw Crusher equipped with Jaw Crusher Box J-106, driven by electricity.

Total crushing power (kW)	136
Input size max (mm)	630
Crushing capacity (t/h)	150-500



### MD-J11E

Mobile Jaw Crusher equipped with Jaw Crusher Box J-116, driven by electricity.

Total crushing power (kW)	158
Input size max (mm)	700
Crushing capacity (t/h)	170-500



### MD-J12E

Mobile Jaw Crusher equipped with Jaw Crusher Box J-120, driven by electricity.

Total crushing power (kW)	193
Input size max (mm)	800
Crushing capacity (t/h)	175-650



### MD-C3H

Mobile Cone Crusher equipped with Cone Crusher Box C-300, driven by Diesel-Electricity Dual Power.

Total crushing power (kW)	313
Input size max (mm)	210
Crushing capacity (t/h)	150-420



### MD-C3HM-YA

Mobile Cone Crusher equipped with Cone Crusher Box C-300, driven by Diesel-Electricity Dual Power.

Total crushing power (kW)	313
Input size max (mm)	210
Crushing capacity (t/h)	150-420



### MD-C3HM-YB

Mobile Cone Crusher equipped with Cone Crusher Box C-300, driven by Diesel-Electricity Dual Power.

Total crushing power (kW)	313
Input size max (mm)	210
Crushing capacity (t/h)	150-420



### MD-F9E

Mobile Impact Crusher equipped with Impact Crusher Box 150/0912, driven by electricity.

Feed inlet opening	940 × 700
Max feed size(mm)	600
Crusher power (kw)	160



### MD-F12E

Mobile Impact Crusher equipped with Impact Crusher Box 250/1213, driven by electricity.

Total crushing power (kW)	300
Input size max (mm)	700
Crushing capacity (t/h)	150-300



### MD-F13E

Mobile Impact Crusher equipped with Impact Crusher Box 350/1315, driven by electricity.

Total crushing power (kW)	379
Input size max (mm)	800
Crushing capacity (t/h)	150-400

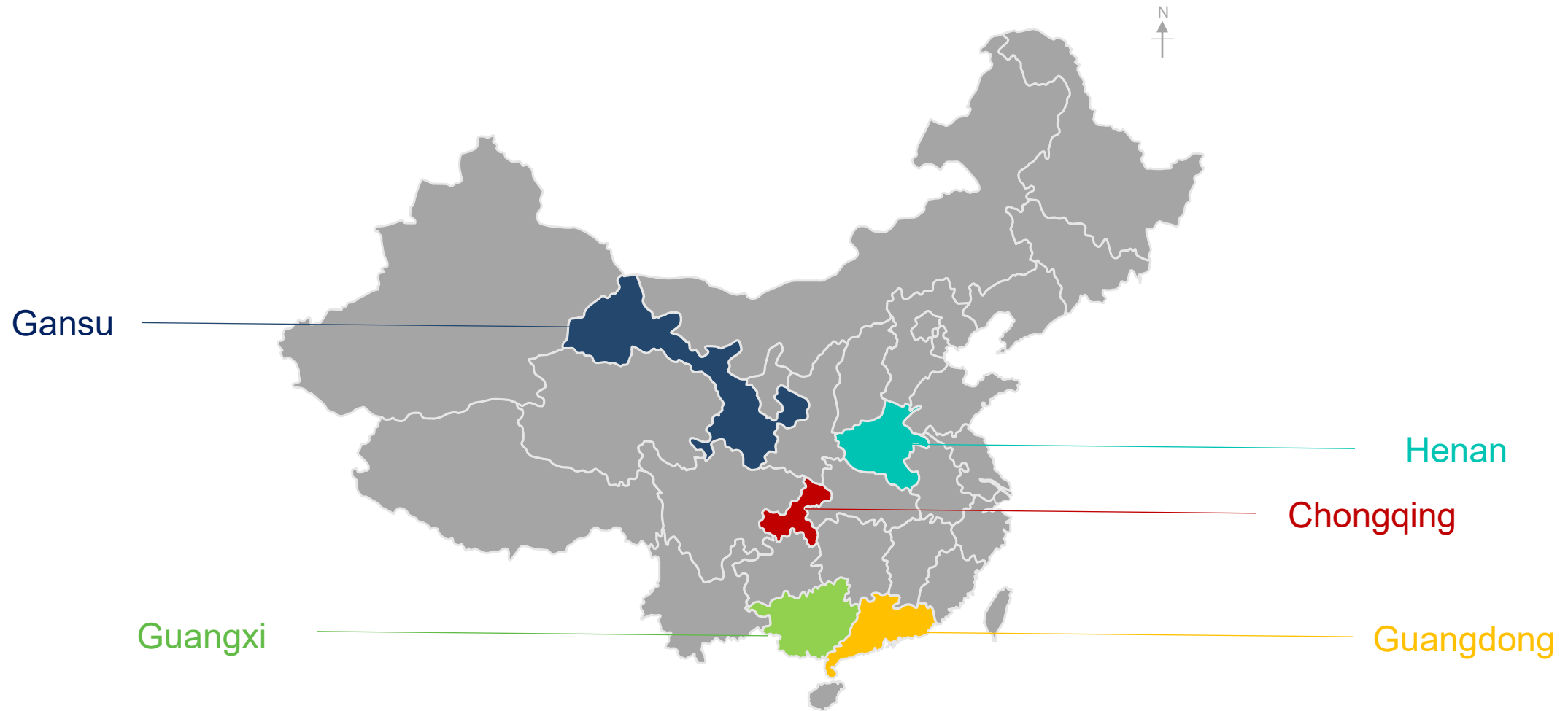


# Mesda at Bauma Germany 2022



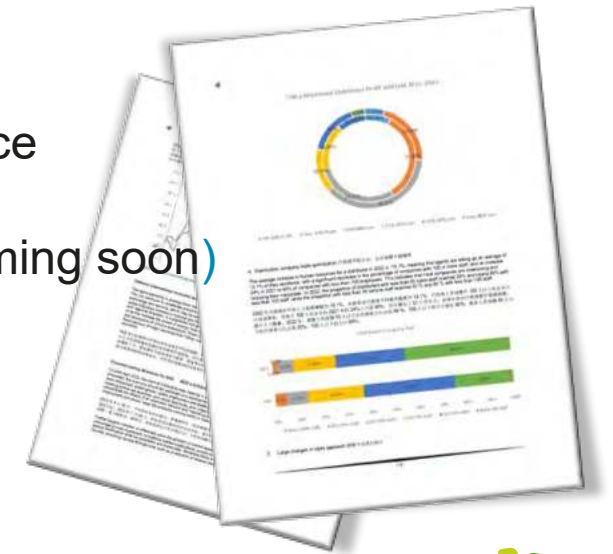
Technical Analysis	Type	Companies	Projects	Regions	Supplied Product	No.	
	Screening machine	Henan Winner Vibrating Equipment Co., Ltd.	Ecological Construction Company Construction and Demolition Waste Mobile Crushing Equipment Procurement Project	Xiongan New Area	Track-mounted mobile crushing plant	8	
			Construction and Demolition Waste Recycling Project in Gaoliying Town, Shunyi District	Beijing	Multi-frequency screen, distribution screen, cone crusher, bar feeder		
	EPC	Zhengzhou Dingsheng Engineering Technology Co., Ltd.	Zhengzhou High-tech Zone construction and demolition waste Recycling Site	Zhengzhou	Mobile (track-mounted) crushing and screening line	9	
			Anyang Stationary Construction and Demolition Waste Recycling Project	Anyang	Vibrating screening feeder, DPF special crusher for construction and demolition waste, circular vibrating screen, electromagnetic iron-separator, light waste separator and other equipment		
			Shangqiu stationary construction and demolition waste recycling line	Shangqiu	Vibrating screening feeder, 65-ton-per-hour DPF stationary construction and demolition waste crusher, 3YK 1860 circular vibrating screen		
		Shanghai Shibang Machinery (SBM) Co., Ltd.	Hubei 100-ton-per-hour construction and demolition Solid Waste Crushing Project	Hubei Province	C15X series Impact Crusher, S5X series Vibrating Screen, light waste air separator, B6X series Belt Conveyor, MS Steel Structure Platform		10
			Construction and Demolition Waste and Stone Carving Waste Recycling Project	Hebei Province	VS16X Impact Crusher, HPT Multi-cylinder Hydraulic Cone Crusher, PEW Jaw Crusher, PFW Impact Crusher		
			Hangzhou 200-ton-per-hour Construction and Demolition Waste Mobile Crushing	Hangzhou	KF1315II-1 Crushing Mobile Plant, KS2160-1 Screening Mobile Plant		

# C&D waste recycling industry in five provinces in South and West China



# Latest Market Reports Available

- Insights on C&D Waste Recycling in 5 provinces in South and West China (**current presentation**)
- Insights on Guangzhou Aggregate Exhibition
- Insights on China Aggregate Technology Conference
- Insights on China Construction Machinery Marketing & Aftermarket Conference
- Insights on C&D Waste Recycling in 5 provinces in East and West China (coming soon)




# INI In-market Support

- First hand in-market observation and insights
- Opportunities to exhibit at key industry events
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- Connecting with local regulators
- Manufacturing sites or offices searching



INI providing exhibition opportunities at key event in China: Bauma China, IE expo



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