SOCMA POWER HEAVY LIFTING

Fujian South China Heavy Machinery Manufacture, CO. Ltd



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01
PART

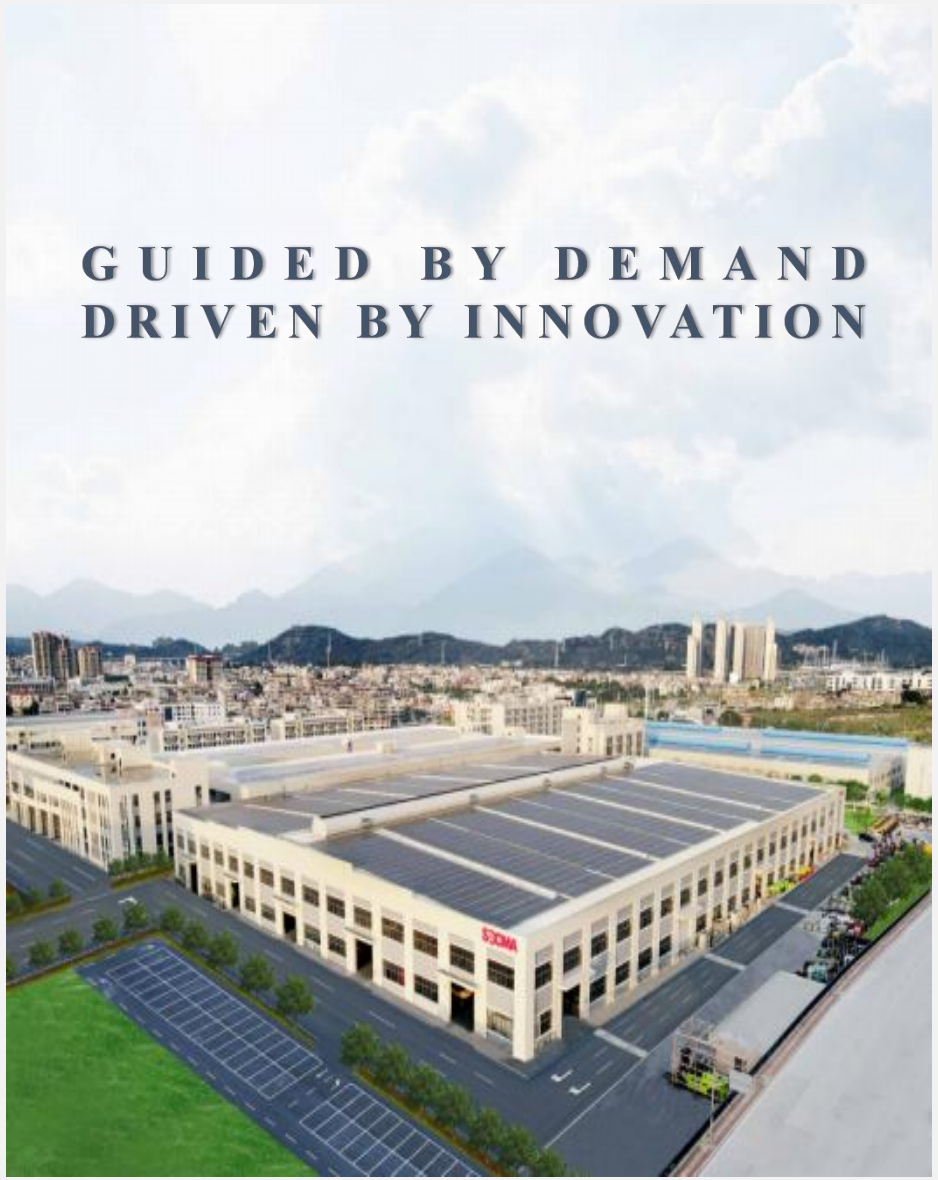
COMPANY INTRODUCTION

Founded in March 2010, Fujian SouthChina Heavy Machinery Manufacture Co., Ltd., headquartered in Quanzhou, Fujian Province, is a National high-tech enterprise integrating logistics handling machinery...

About SOCMA

SOCMA is renowned in the industry for its "efficient customer response and high-quality customized production." Its products are exported to Europe, North America, South America, Southeast Asia, the Middle East, Africa, and other regions. They are widely used in various fields such as ports, logistics, mining, warehousing, infrastructure, and farming, earning widespread praise and trust from domestic and international users for their outstanding quality, good adaptability to working environments, and low maintenance costs.

"GUIDED BY DEMAND,DRIVEN BY INNOVATION" is the development philosophy that SOCMA has consistently adhered to. Guided by demand, the company ensures steady and long-term development; driven by innovation, it continues to lead technological transformations in the industry. the company aims to conquer technological frontiers, maintain product leadership, and strive to become a leader in international logistics handling machinery and electric engineer machinery.



Main products:

Heavy-duty Handling Series (10~72 tons,both internal combustion and electric)

Telehandler Series (3~20 tons, 7~17 meters, single-arm and double-arm telehandlers)

Non-standard Customized Series (aluminum furnace tending vehicles, forklift crane dual-purpose vehicles,underground hoists, etc.)

Port Equipment (45Ton Reach stacker ,Empty container Handler/Side loader)



Corporate Culture

Mission:

Continuously improve products and services, innovate to meet customer needs, explore potential demands, and create value for customers.

Vision:

To become a widely respected international brand.

Core Values:

customer-centered, grounded in contributors



Milestones of SOCMA

SOCMA founded



2010

Obtain export license

Export Product Quality License



2012

Telehandler online

SOCMA bought a telehandler company to extend producton lines

2014

New energy lab

Joint Laboratory for New Energy Engineering Machinery



2018

SOCMA&CATL

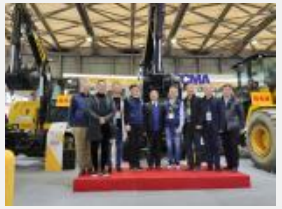
strategic cooperation agreement with CATL to further enhance its manufacturing capabilities.



2019

New energy machinery fully listed

6 models of electric machinery presenting at the Bauma 2020.



2020

50T electric forklift



50T electric forklift went offline, for Nippon Steel

2024

Company Honors



National High-tech Enterpris





Second Prize in Fujian Province Science and Technology Progress and Science and Technology Achievement Transformation













Employee Care

SOCMA practices its core corporate value of "contributors-grounded" annually through annual year-end parties, birthday celebrations, and holiday care events.





International Women's Day Care Activities











Annual Staff Party

02
PART

PRODUCTION
R&D

Through continuous improvement of its software and hardware production capabilities and perfecting inspection methods, SOCMA ensures product quality.

R&D Team



Profession

Vitality

Innovation

Collaboration

SOCMA gathers industry elites including a R&D team of nearly 50 engineers leading technological innovation. It has established innovative platforms such as the "Industrial Forklift Research Center," "Expert Station," "Key Technology R&D Center for New Energy," and "Graduate Workstation of Huaqiao University."

R&D Achievements

SOCMA places great emphasis on applying and protecting intellectual property and R&D achievements. It has now obtained 124 invention patents, 104 utility model patents, and 10 design patents for products such as "slag removal vehicles, telescopic arm forklifts, floating bridges, loading vehicles, specialized forklifts for dumping slag buckets, and electro-hydraulic hybrid drive systems,"

Item	QTY/Description
R&D Staff	50
invention patents	**14**
utility model patents	**104**
design patents	**10**
technology transfer rate	**100%**
The level of intellectual property protection and the transformation of innovation	**relatively high**



Strenthened R&D Mode

SOCMA actively engages in industry-university-research cooperation with renowned universities and research institutions, including the Quanzhou Equipment Manufacturing Research Center of the Xiamen Institute of Chinese Academy of Sciences, Huaqiao University, Fujian University of Technology, and the Fujian (Quanzhou) Advanced Manufacturing Technology Research Institute. They collaboratively explore the application and upgrading of advanced technologies such as 5G unmanned driving, CVT (continuously variable transmission), new energy technology, and finite element mechanical structure analysis.















Qualification



ISO9001



Export License



Special Equipment Production License



CE



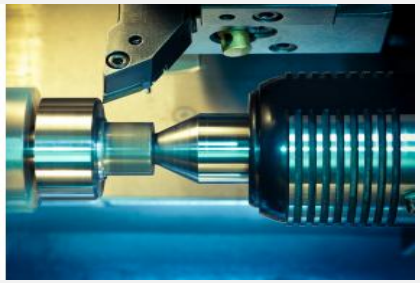
Safety Mark Certificate for Mining Products.

Equipment

SOCMA has advanced production equipment and facilities, including welding robots, CO2 protective welding machines, submerged arc welding machines, CNC cutting machines, CNC bending machines, precision boring machines, CNC machine tools, welding positioners, spraying production lines, 10-ton level lifting machinery, hardness testers, tensile testing machines, welding flaw detectors, and type testing fields, among other large key equipment. The company focuses on enhancing equipment capabilities and improving testing methods to ensure product quality assurance capabilities.









Supply Chain

Selected industry-renowned suppliers

SOCMA has established mutually beneficial strategic partnerships with many well-known companies. Partners include ZF, Meritor, Dana, Kessler, Carraro, Cummins, Weichai Power, Yuchai Power, CATL, Hangzhou Gear, Cascade Forklifts, Hengli Hydraulic, Linhai Hydraulic, Zhongwei Tires, and CST, among others. Through these strategic collaborations, SOCMA can continuously provide high-quality products.



03
PART

MARKETING & SERVICE

Since its early establishment, SOCMA has focused on overseas markets with a global vision.

Exhibition

Global Vision

Since its establishment in 2010, SOCMA has never missed the largest construction machinery exhibition in Asia—BAUMA CHINA. From an initial booth of 18 square meters to a planned 300 square meters in 2024 (indoor hall), SOCMA has witnessed the growth journey of China's construction machinery. In addition, SOCMA has participated in internationally influential construction machinery exhibitions such as BICES (Beijing), INTERMAT (France), CTT (Russia), KOMATEK (Turkey), and PHICONSTRUC (Philippines),TOC all over the world, further expanding the global recognition and influence of SOCMA through these exhibitions.

bauma CHINA

ASEAN INTERMAT

INTERNATIONAL rental CONFERENCE ASIA

BICES

CTT EXPO

KOMATEK

Exhibition

SOCMA’ s BAUMA CHINA Trip

The Road of growth
2012-2024

2012, 18㎡



2014 , 51㎡



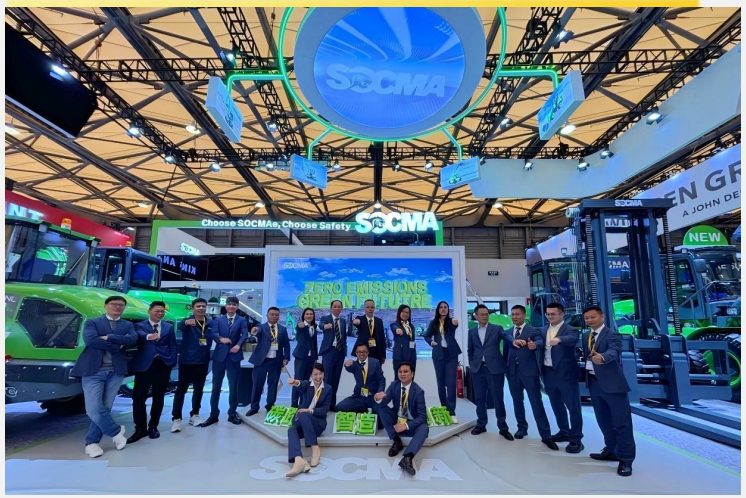
2016, 50㎡



2018, 54㎡



2018, 200㎡



2024 300m²



Exhibition

SOCMA's exhibition review

BICES Beijing







2023
2019





Exhibition

SOCMA participates in various international exhibitions and conferences related to construction machinery.



rental CONFERENCE ASIA





2023/2024 CTT (Russia)





INTERMET



Exhibition in Turkey





Global Services

SOCMA's after-sales service has always been highly praised by users. No matter where the users are located, the after-sales service team of SOCMA can respond quickly and provide solutions. SOCMA has a team of professional service technicians who have undergone systematic training and professional certification, possessing rich experience in after-sales service. Their professionalism and service attitude have received unanimous acclaim from users.







Services









SOCMA’s top brand customers

首钢集团 SHOUGANG GROUP

GRÄNGES

Atlas Copco

NIPPON STEEL

VATAN KABLO











Advantage of Delivery

1. Production and delivery are prompt and timely, with the delivery time of regular goods controlled within 45 days.
2. Shipping procedures are standardized, with professional disassembly, packaging, container loading teams and equipment.
3. Provide standardized installation guidance and training.









04
PART

PRODUCTS

Four Product Series



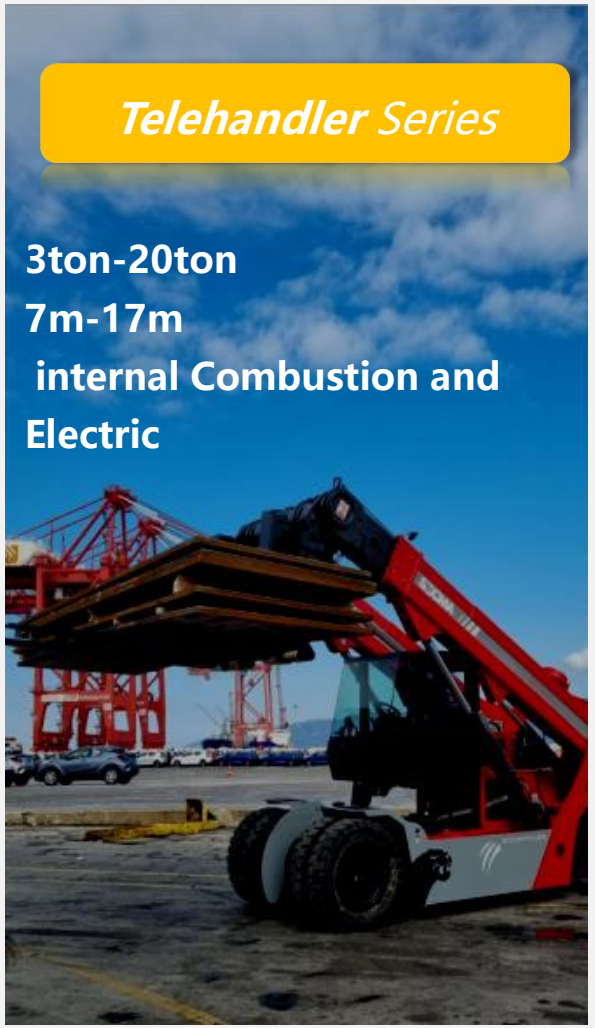
Heavy Duty Forklift Series

10~72 ton
Combustion and Electric



Port equipment Series

45ton Reach Stacker
Empty Container handler



Telehandler Series

3ton-20ton
7m-17m
internal Combustion and Electric



Customized Series

based on customers needs, including aluminum vehicles, excavators, track forklifts, and underground hoists

Heavy Duty Forklift Series

HNF Series

Full range of heavy-duty forklifts



12t-16t | 15t-18t | 20t-25t | 28t-30t | 32t-36t | 40t-65t

Performance

The **HNF series** heavy forklifts are core products independently developed by SOCMA. The model range covers from **10 to 72 tons**, with key components of the whole machine using either well-known domestic or imported brands. After years of accumulation and refinement, the overall machine leads the industry in comfort, stability, safety, and intelligence, achieving performance that meets international standards. It is widely applied in various industries such as airports, ports, docks, steel mills, warehouses, logistics, and handling, and has received high praise from customers worldwide.

Axle

【Standard】

- Front Axle: Specialed for heavy-duty forklift；
- Rear Axle:equipped with a transverse hydraulic cylinder steering mechanism

【Optional】

- Kessler axle from Germany



Engine

【Standard】

- Famous high-pressure common rail engine
- High torque, low fuel consumption, high reliability

【Optional】

- Cummins
- VOLVO



Transmission

【Standard】

- Planetary Hydraulic Transmission

【Optional】

- German ZF Transmission
- American DANA Transmission



Hydraulic

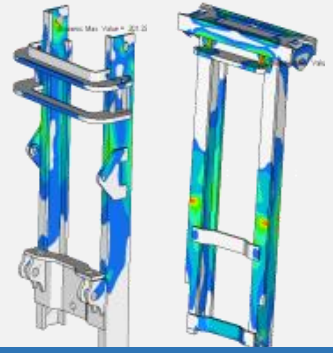
- Well-known hydraulic component brand, dual pump convergence, fully hydraulic load-sensing steering.
- The hydraulic system is equipped with a return oil heat exchanger and back pressure protection device.
- Optional variable pump system available to fully utilize engine power.



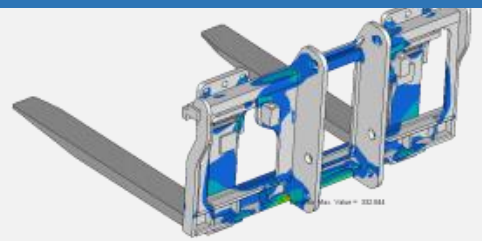
Performance

10 to 72 tons internal combustion forklift

The cross-section of the inner and outer mast is a combination of C-shaped, J-shaped, and L-shaped profiles. The strength and rigidity have been analyzed using finite element mechanics, resulting in a high safety factor.

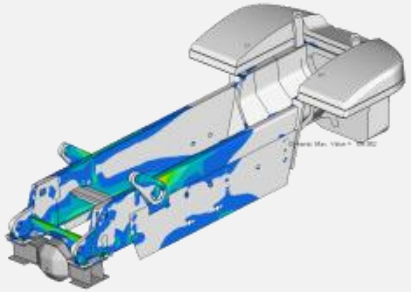


Structural components subjected to finite element analysis (FEA) for fatigue and strength analysis.

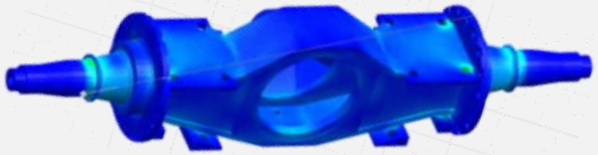




Applicable to heavy-duty working conditions such as port terminals, container yards, railway freight yards, mining raw material yards, and rental handling projects.



Ensure that there is still sufficient safety margin under harsh working conditions.



Structural Optimization
Finite Element Analysis

Product Display

12TON-Compact16TON







Product Display

16TON-18TON







Product Display

20TON-25TON







Product Display

30TON-32TON







Product Display

35TON-37TON







Product Display

HNF-C300/320

8.1-meter Mast, **a port-specific heavy forklift** with a capacity of 30-32 tons. Lifting height 8.1m, Cummins 175 kW engine, widened axle, and vacuum tires, all these features enhancing load capacity and lateral stability during high lifting. It can stack four layers of heavy containers, with the fourth layer weighing 18 tons.

HNF-C300/320 container stacker



Product Display

42TON-50TON





HNF420-1250-A

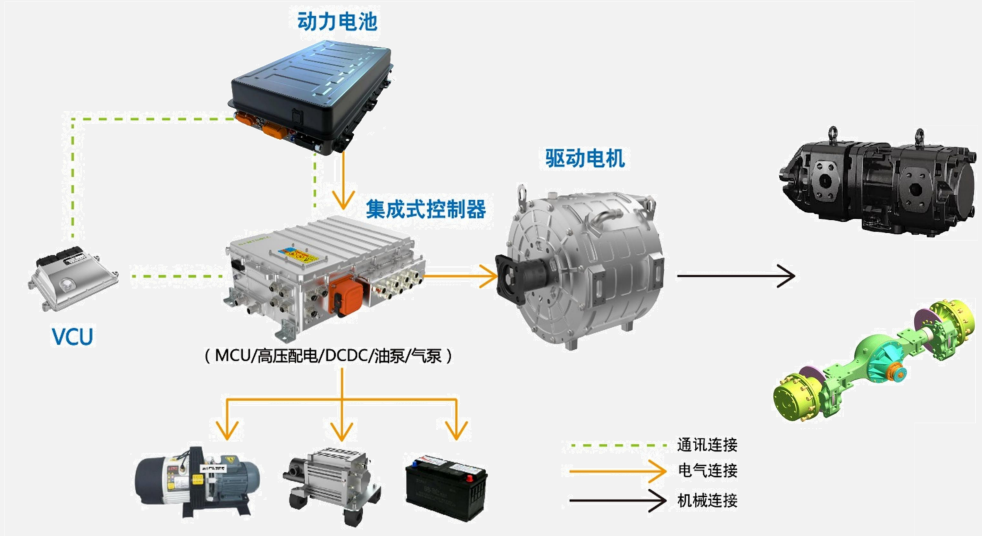


HNF450-1250-A

Electric Forklift Performance

SOCMA is one of the earliest companies in China to develop electric construction machinery. The company boasts a senior technical team with experienced Ph.D. and master's degree holders. After nearly a decade of development, it has accumulated rich experience in core technologies of new energy machineries. It has now formed the most comprehensive series of new energy models in the industry, including electric forklifts, electric excavators, electric loaders, and electric telescopic handlers. As a professional, reliable, mature, and leading manufacturer of electric construction machinery, its products are exported to high-end markets in Europe, the United States, Japan, and other regions, receiving high recognition from global customers.

Mature Application Integrated Vehicle System Solution



High-efficiency high-torque permanent magnet synchronous motor



High-definition status display screen (real-time data synchronization)



CATL lithium iron phosphate battery



Fasc charging supported





Choose SOCMAE, Choose Safety

Product Display



12Ton



14-16Ton



20-22Ton



25Ton



3-350Ton



40-50Ton

Product Display













Product Display

China's first 50-ton electric heavy-duty forklift.

On June 6, 2024, SOCMA officially announced the rollout of its 50-ton electric heavy forklift, marking a historic new chapter in China's new energy construction machinery industry.







Heavy Duty Forklift Series

Port Equipments Series

Full range of Port Equipments



Compact RS | Diesel RS | Electric RS | Electric -ECH | Diesel -ECH | Compact -ECH

Product Display

SOCMA has been dedicated to the field of port machinery for years. Leveraging deep technical expertise, the company provides comprehensive logistics handling solutions for ports worldwide, including a full range of equipment such as Reach Stackers, and Empty container handlers and heavy-duty forklifts with spreaders tailored to diverse operational scenario.



Product Display

HNRS4531 45TON Reach Stacker
Working Location: Manila Phippline
Customer: Shipping Owner







Product Display

Product: SECH0907 9Ton Empty Container Handler
Working Location: **Mauritius**
Customer: Mauritius Port Authority



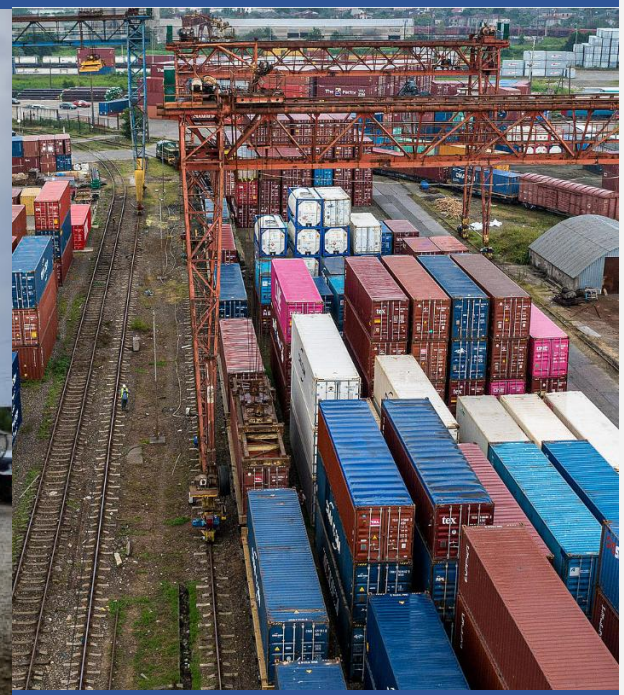


Product Display

HNRS4531 45TON Reach Stacker
Working Location: Russia
Customer: Railway Station







Product Display









16Ton Forklift
7.5m mast
Standard
Container
Spreader
3x 20’ &40’

Telehandler Series

HNT Series Telehandlers

Full range product lineup of telescopic handlers



Mini Telehandler | Rotating Telehandler | Agriculture use telehandler | Construction use telehandler | Heavy-duty Telehandler | Inside Container Telehandler

Performance

The HNT series telescopic forklift products are multifunctional handling and lifting logistics equipment that integrate machinery, electricity, and hydraulics, independently developed by SOCMA. The models range from 3 tons to 32 tons, with options for single-arm and double-arm configurations, suitable for various applications from agriculture to construction.

Axle

Using renowned axle and transmission configurations, we ensure exceptional performance. The fully hydraulic load-sensing steering system, with four-wheel steering and four-wheel drive, can achieve various steering modes such as two-wheel, four-wheel, and crab steering, adapting to a wide range of working conditions.



Engine

The machine is equipped with a Cummins turbocharged diesel engine and a high-pressure common rail fuel system, providing strong power while being energy-efficient and environmentally friendly, meeting the requirements for efficient operation. It complies with emission standards set by the European Union, the United States, a[illegible]ions.



Braking

The front and rear axles are equipped with hydraulic wet brakes, which offer faster heat dissipation and more reliable and safe braking compared to traditional air brakes.



Hydraulic

Using a closed-loop static hydraulic pilot control system, the lifting mechanism features hydraulic balancing functionality. It exhibits excellent automatic adaptability and maneuverability.



Product Display

The standard telescopic arm primarily covers industries such as agriculture, logistics, and construction, meeting the operational needs for regular lifting, handling, and loading tasks.

Agriculture



HNT3007/3507/4007-4Z

farming,animal husbandry, grain logistics,etc

Logistics



HNT5010/5012/7510-4Z

material handling, airport logistics,etc

Construction



HNT4017/4517/7017-4Z

construction material delivery, and aerial work, etc.

Product Display

In addition to the standard telescopic forklift, there are various other models available to meet different customer needs.

Rotating telehandler



HNTR4015

360° rotation, expandable for more application scenarios, greatly improves operational efficiency.

Slab lifting telehandler



HNT110

Specially designed for lifting scenarios involving stone materials and heavy equipment.

Inside container telehandler



HNTR160/180

Specifically designed for container operation scenarios, significantly improving packing efficiency.

Customzied Solutions

Customzied Series

Full range product lineup of customized series



THANK YOU

SOCMA POWER Heavy Lifting

www.socma-forklift.com

