**Global Scientific and Academic Research Journal of Multidisciplinary Studies**
ISSN: 2583-4088 (Online)
Frequency: Monthly
Published By GSAR Publishers
Journal Homepage Link- https://gsarpublishers.com/journals-gsarjms-home/

# The Research of Erecting Competitive Force Product Technology Like Robotic One and Steel Producing Amount on Scientists Published Relevant Papers with Sustainability

## By

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**Article History**

*Received: 15/10/2025*
*Accepted: 28/10/2025*
*Published: 31/10/2025*

**Vol – 4 Issue –10**

*PP: - 38-42*

***Abstract***

*The competitive force will become a successful factor so as to make a new product which as an innovation one may acquire the future success to conquer the world advance one. So that the corresponding scientists must have a technique skill to make the abstraction one into actual product where the key parameters and procedures can become a successful weapon to win the western world like Europe and USA. Through erecting the high tariff by USA the more ctive activities and research achievement may be acquired by us that is a technique to open the photoetching-machine key one's technology for us to make in domestic, others like quantum experiment for future computer and information field where the more than 110GHZ photon will be produced to promote the algorithm about 50 times from current low CPU(central processing units) speed within 60 months ie. five years according to Mole's rule if it is feasible. So that our scientist is searching for the applicational work in computer urgently for completing the new quantum computer and information technique dedicated to the future requirement with building higher speed management system. Not only in information field but also in big plane and auto rechargeable battery one there will be much achievement acquired by us because there are so many research and application making the virtual and actual one according to the cost reasonability and source size. So the technique will become fast to occupy the future market which may exhibit a huge potential amount in the views of the enhancing efficiency promotion and corresponding quality with some low cost and price.*

***Keywords:*** *competitive force; steel producing amount; publishing academy relevant papers; scientist; sustainability; robotic*

## 1. Introduction

In the modern society the scientists will be more welcomed than ever since they were educated by the university and institution through acquiring their degree like Master and Doctor within a certain years to proceed advanced project continuously by the tutors and researchers. They can write their papers upon processing the research one in shorter time like one~two months so that the published one will be abstracted by the scientific database like SCI(science citation index) SSCI(social science citation index) &EI(the engineering index) et. advance journals. Thereby the scientist may be reviewed according to their paper high &low-level, and they will be estimated as various scale like professor which includes four scale like I~IV explained the I is the highest professor, then II, III &IV scale in turns. We should write the high-level ones with high-quality as soon as possible(ASAP) in order to acquire the higher one which may be accepted by public and experts too. On the other side, the economist may make a plan to instruct the macro and micro company, region &nation strategic plan for improving company and territory future direction and size. So that the GDP as an indicator of economy activity for one year will be affected by the economist strategy plan that might be made by the plan and actual value combination through economy evaluation to actual capacity and the entire strategic mind. [1~6]

At the same time, the materials as an important source is about to be used in applied product with a certain processes from the original substance from mineralization source.

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Thereby we should grasp the melting and extracting technique to realize the special functional target like sense in AI(artificial intelligence) one to apply to the modernization good and product. Like silicon as an important one it is applied to electronic one generally whilst the others like new Ga &Ge also has its potential application scope widely in future. The high-technique skill may carry our the GDP rapidly increased significance, therefore that one might occupy the most important position in the strategic plan. It even affects the financial stocks market that can indicate the entire companies dynamics daily through transacting center network all over the world that will influence the consumers confidence so as to invest request individual more and more. [7~10]

## 2. Discussions

Through erecting the fund activity the sophisticate scientist and engineers could be regulated from abroad famous university and maker institution so as to guarantee technique talent and experts &scientists advantage factor to push the corresponding research forwards and make a detail goods to evaluate whether is is able to sustain the strict evaluation and condition which may influence our future modernization and civilization at all. At the same time we should know the product market feasibility to a certain technique and goods in views of all kinds of aspects from the various knowledge ones. Certainly the high-quality papers written by them will be a proof for the sake of using them in future research database. We should like to see more achievement around the narrating content and results to judge whether it will be avaiable to future from ourselves views firstly. [11~20]

### 2.1 The first city in provinces occupation rate in 2024

The first city in provinces occupation rate in 2024 would show 53%~29% by Yinchuan~Dalian representing Ningxia~Liaoning province respectively in Table 1 where there are three one beyond 40% which would be Yinchuan Changchun &Xining city showed their economic strength to represent Ningxia~Qinghai one. Additionally there would be Nine cities which exceeded 30% except Dalian.[2]

**Table 1 The first city in provinces occupation rate in 2024. [2]**

| Ranking | Province | City | Occupation rate, % |
|---|---|---|---|
| 1 | Ningxia | Yinchuan | 53 |
| 2 | Jilin | Changchun | 53 |
| 3 | Qinghai | Xining | 47.1 |
| 4 | Shanxi | Xi'an | 37.5 |
| 5 | Heilongjiang | Harbin | 36 |
| 6 | Sichuan | Chengdu | 36 |
| 7 | Xizang | Lasa | 35.8 |
| 8 | Hubei | Wuhan | 35.2 |
| 9 | Hainan | Haikou | 31.2 |
| 10 | Liaoning | Dalian | 29.2 |

### 2.2 Countries' steel producing amount I

The China &USA steel producing amount showed 130 million tons &98 ones respectively in 1997 in light of Figure 3 where the variation between them indicated more than 1.3 times to exhibit the former ie. the China prosperous industry development level. In contrast the y-y in 1997 they realized 10%~1.8% by them accordingly to be aware the China's rapidly developed industrial level. To compare with China the USA remained low development speed recorded their limitation capacity willing come soon in steel &relevant industry.

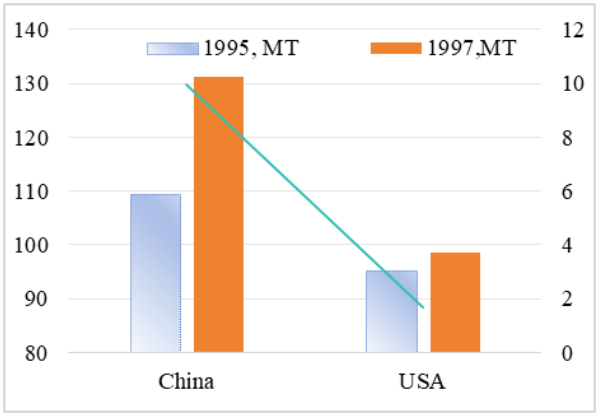


**Figure 3 The Countries steel producing amount analysis in 2013~2015. [1]**

### 2.3 Stocks change

On the October 19, 2025, the entity aboard would be <Disheng Li> with 603335; <Donghua Tech> with 002140; <Zhezhong Lim> with 002346; <Hefei Chengjian> with 002208. [3] On the other hand, on october 20, 2025 the same one might be <Sanlian forge> 001282; <Furi Lim> 002083; <Huatian Tech> 002185; <Dongxin Peace> 002017. [4] Meanwhile, on October 21, 2025 the precisely choosing stocks <Shengyang Tech> with code 603703, <Wanrun Tech> with 002654, <Sifang Da> with 300179, <Xingwang Yuda> with the code 002829. [21] At the same time, the precise entity board with hitting directltly included the <Taiji Eneity> 600667, <Huibo Fu> 002554, <Taiyuan Heavy Indu> 600169, <Donghu High-Tech> 600133. [22]

### 2.4 Robotics High-Tech: Current Status

In the era of rapid technological development, the field of robotics, as a representative of cutting-edge technology, is profoundly transforming human society. From the early exploration of simple mechanical devices to the formation of modern complex intelligent robot systems, the high-tech of robotics has undergone a long and remarkable development process. Its core technologies include artificial intelligence algorithms, sensor technology, and motion control technology, among others, which jointly endow robots with powerful functions. In terms of application, robots have widely permeated various industries such as manufacturing,

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healthcare, and service sectors, greatly promoting the development of these industries. However, the development of robotics high-tech also faces numerous challenges such as technical ethics, data security and privacy, cost control, and talent shortage. In the future, robots are expected to deeply integrate with emerging technologies, achieve form and function innovation, and expand into more emerging fields. This research aims to comprehensively analyze robotics high-tech, providing theoretical support and practical references for its further development, and helping to promote the continuous progress and application expansion of robot technology, thereby creating greater value for society. [5]

At the same time, in today's era of rapid technological development, the field of robotics, as a representative of cutting - edge technology, is profoundly changing human society. From the exploration of simple mechanical devices in the early days to the formation of modern complex intelligent robot systems, high - tech robotics has gone through a long and remarkable development process. Its core technologies cover artificial intelligence algorithms, sensor technology, and motion control technology, etc., which together endow robots with powerful functions. In terms of applications, robots have been widely infiltrated into many industries such as manufacturing, healthcare, and the service industry, greatly promoting the development of various industries. However, the development of high - tech robotics also faces many challenges such as technological ethics, data security and privacy, cost control, and talent shortage. In the future, robots are expected to be deeply integrated with emerging technologies, achieve innovation in form and function, and expand into more emerging fields. This study aims to comprehensively analyze high - tech robotics, provide theoretical support and practical reference for its further development, help promote the continuous progress and application expansion of robotics technology, so as to create greater value for society.

#### 2.4.1 Research Background

In the context of rapid technological development in the 21st century, robotics has become a key frontier in global technological innovation. With the rapid progress of artificial intelligence, automation systems, and sensor technology, the role of robots in society, economy, and daily life is increasingly prominent. From industrial manufacturing to healthcare, from home services to military applications, robotics not only enhances production efficiency and service quality but also offers new possibilities for solving complex human problems. Particularly in areas such as autonomous driving, smart factories, and personalized services, the application of robots is profoundly changing the operational models of traditional industries and driving the rise of new ones. This technological transformation has had a profound impact on social structures and economic development, while also triggering extensive discussions on issues such as ethics, privacy, and employment. Therefore, studying the current status and future trends of high-tech robotics has significant theoretical value and practical significance.

#### 2.4.2 Research Objectives and Significance

This study aims to comprehensively analyze the core technologies, application status, and challenges of high-tech robotics, providing a reference for academic research and technological development in related fields. By reviewing the development history of robotics and combining current domestic and international research results, it explores the practical application effects in manufacturing, healthcare, services, and other fields to reveal its role in promoting economic and social development. Additionally, this study will focus on the possibility of integrating robotics with emerging technologies such as 5G and the Internet of Things in the future, as well as its potential application prospects in emerging fields such as space exploration and deep-sea development. Through systematic analysis, this study hopes to provide valuable insights for policymakers, business decision-makers, and researchers, thereby promoting further innovation and popularization of robotics and enhancing global technological competitiveness.

#### 2.4.3 Research Methods and Framework

This study adopts a combination of literature review and case analysis methods to conduct an in-depth exploration of high-tech robotics from multiple perspectives and levels. Firstly, by reviewing high-quality academic literature from the past five years both domestically and internationally, it sorts out the development trajectory and core technology evolution of robotics. Secondly, it selects typical application scenarios as case study objects to analyze the practical application effects and limitations of robots in different industries. The overall framework of the paper is centered around the development history, core technologies, application fields, challenges, and future trends of high-tech robotics. Specifically, the first chapter introduces the research background, objectives, and methods; the second chapter reviews existing literature and points out research gaps; chapters three to eight respectively discuss the development history, core technologies, application examples, challenges, and coping strategies of robotics; and the ninth chapter summarizes the research results and proposes prospects for future research directions.

Overview, we may look for the more market like aboard and in domestic and find more valuable project to search and propose to maker hand so as to complete the new technique product, also as for the difficulty the college and institution will study further and deeply and then transfer those procedure’s parameters essential like the material composition &equipment, dealing temperature and time, size and demanded strength etc. to maker R &D(research &development) department to check whether it is about to be available or not in the views of sample making and know the market demand easily and promptly. So we can do those ones according to the satisfying criterion then we may produce the innovation product in time even advance, there is still much profit in front of new product that may increase the salary, welfare etc a series of bonus to us for the sake of raising the whole GDP value at all. If the economy condition is still in peace the our plan will be realized in advance, but there is to happen accident like virus pandemic and region war the plan

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would be revised and delayed some time. In the end the achievement through wielding our endeavor whenever it is normal status the aim will have to succeed we trust.

## 3. Conclusions

The scientist will contribute his working achievement to the society through publishing his paper on a famous journal continually, so his research may be evaluated by the special institution. So that the salary and welfare will give him appropriately so as to use his experience to instruct the new and developing talents and complete his research continuously through regulating his team to experiment and induce theoretic background for his experiment and following direction and task in future. Therefore, a series of problem will be proposed by them to reduce unnecessary wrong way and results which will become a research deviation criterion to hit the key-point usually. On the other side, the GDP(gross domestic product) may reflect that corresponded economy activity so it will play an important role in determining current and special in future activity consideration, thereby we should prudently and carefully deal with it not only including past historical achievement but also current its maximum capacity and market which may be considered with a combinational consideration but not too simply determining it. As to GDP the government reviewers may correctly clarify and estimate it with resolving innovation decision. With regards to future industrious direction the advanced field like AI industrial chain will become an important business for our scientists to search for further meaning and measurement. We should pay our attention to hearing the relevant scientists advice and suggestions for their experiencing a stage such research way to explore the internal mysterious world and phenomenon. We should read more published paper in journal and know more wonderful external world for the sake of promoting our information &judgment level from the latest ones.

## Foundation

This paper was supported by the Korean Science &Engineering Fund(KSEF) under the granted No. 96-0300-11-01-03 with the Specified Basis Rearch program.

## Conflict of Interest

The authors declared that there were not conflicts of interest to disclose.

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