

Cultivating Innovation:  
**PAKISTAN'S FLOURISHING  
SEMICONDUCTOR  
ECOSYSTEM**



培育创新：巴基斯坦蓬勃发展的半导体生态系统



Government of Pakistan



# PAKISTAN'S ECONOMIC OUTLOOK

## Pakistan: Where Growth Takes Root

Pakistan's economy is on the rise, offering compelling opportunities for investors seeking a vibrant and emerging market in Asia. These insights unveil a nation committed to stability, growth, and a dynamic future. Embrace the opportunity and be part of Pakistan's economic miracle!

### A Nation on the Move

- 👉 **Resilient Economy:** Despite short-term contractions, Pakistan's economy is rebounding, with growth projected at 3.6% in FY2025.
- 👉 **Strategic Location:** Pakistan's geographical advantage unlocks access to regional markets and investment.

## Investing in a Thriving Future

- 👉 **Thriving Agriculture:** Agriculture, the backbone of Pakistan's economy, is experiencing robust growth, fueling food security and export potential.
- 👉 **Industrial Powerhouse:** Pakistan's diverse industries are projected to grow at 4.4% in FY2025, creating a vibrant manufacturing landscape.
- 👉 **Investment-Friendly Environment:** The government is committed to reducing regulations and simplifying processes, attracting both domestic and foreign investment.

## A SNAPSHOT OF PAKISTAN'S ECONOMY

- 👉 Inflation on a downward trajectory, reaching an estimated 11.8% in FY2025.
- 👉 Current account deficit narrowing and foreign exchange reserves increasing.
- 👉 Agriculture sector growth hitting a 19-year high of 6.3% in FY2024.
- 👉 Industrial sector projected to grow 4.4% in FY2025.  
Government efforts to reduce regulations and simplify business processes.
- 👉 Exports projected to reach \$32.7 billion in FY2025, driven by domestic growth and improved global demand.
- 👉 Remittances expected to reach \$30.6 billion in FY2025, crucial for external sector stability.
- 👉 **Medium-Term Outlook:** Growth projected between 3.6% and 6.0% in the medium to long term

# HARNESSING PAKISTAN'S UNTAPPED POTENTIAL IN CHIP DESIGN

## 利用巴基斯坦在芯片设计方面尚未开发的潜力

This brief highlights the burgeoning semiconductor design ecosystem in Pakistan, presenting a compelling opportunity for Chinese companies. With a youthful population, a robust academic infrastructure, and a pool of talented graduates, Pakistan is poised to become a key player in the global chip design landscape.

### A Nation on the Rise

**Young and Eager Workforce:** A massive population of 240 million, with a remarkable 64% under 30, creates a ready talent pool.

拥有2.4亿人口，令人瞩目的64%年龄在30岁以下，创造了一个备受瞩目的人才储备。

**Educational Powerhouse:** Over 100 universities specializing in Engineering and Technology produce 15,000 graduates annually in relevant fields.

在工程和技术专业的100多所大学每年在相关领域培养出1.5万名毕业生。

**Globally Recognized Excellence:** National University of Sciences & Technology (NUST) ranks among the top 160 Engineering & Technology universities worldwide

### Expertise Across the Spectrum

1 Established ecosystem with approximately 15 companies covering various domains

2 Digital Design

3 Design Verification

4 Analog & Mixed-Signal IC Design

5 PCB Design

6 Yield Data Analytics

7 Embedded Software

## BREEDING GROUNDS FOR INNOVATION:

Leading universities and organizations spearhead chip design programs, training initiatives, and R&D activities, including:

- National University of Sciences & Technology (NUST)
- FAST-National University of Computer and Emerging Sciences (FAST-NU)
- Universities of Engineering and Technology (UET) in Lahore and Taxila
- NED University
- National Electronics Complex (NECOP)
- National Institute of Electronics (NIE)
- NUST Chip Design Centre (NCDC)
- Usman Institute of Technology (UIT)
- Lahore University of Management Sciences (LUMS)

## INVESTMENT OPPORTUNITIES FOR MUTUALLY BENEFICIAL GROWTH

1. **Collaborative Training Centers:** Invest in establishing centers to rapidly develop highly skilled chip designers, catering to the specific needs of Chinese companies.
2. **Fabless Chip Design Powerhouse:** Leverage the skilled workforce by opening fabless chip design centers, capitalizing on the expertise nurtured by Pakistani universities' academic programs and upskilling initiatives.
3. **Enhanced Services & Expertise:** Explore establishing or acquiring service-based companies specializing in verification, physical design, and other allied domains to augment your existing resources.
4. **OSAT Expansion:** Relocate or expand existing OSAT (Outsourced Semiconductor Assembly and Test) facilities in Pakistan, potentially attracting new clients with your established customer base

迁移或扩建巴基斯坦现有的外包半导体封装和测试 (OSAT) 设施



# PAKISTAN: YOUR IDEAL PARTNER IN CHIP DESIGN

Pakistan offers a unique combination of youthful talent, academic prowess, and a burgeoning chip design ecosystem. By fostering collaboration, Chinese companies can gain access to a skilled workforce, while Pakistan can experience accelerated growth in its chip design industry.



Take the Next Step



- ☞ Contact us to explore specific investment opportunities.
- ☞ Let's work together to build a thriving future in chip design



Government of Pakistan

