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Global Transcutaneous Bilirubin Meters Supply, Demand and Key Producers, 2026-2032

https://marketpublishers.com/r/G8BCE95AD139EN.html
Date: December 2025
Pages: 125
Price: US$ 4,480.00 (Single User License)
ID: G8BCE95AD139EN

Abstracts

The global Transcutaneous Bilirubin Meters market size is expected to reach $ 116 million by 2032, rising at a market growth of 1.3% CAGR during the forecast period (2026-2032).
The core drivers of the development of the transcutaneous bilirubin meter industry are twofold. First, the high incidence of neonatal jaundice creates a rigid clinical demand. The prevalence of jaundice in full-term and premature infants makes non-invasive and rapid testing equipment a necessity for neonatal health protection. Second, policy-driven improvements in the neonatal disease screening capabilities of primary healthcare systems, with relevant regulations listing transcutaneous bilirubin testing as a recommended method, coupled with the popularization and upgrading of equipment in primary healthcare institutions, continue to release market demand.
In 2024, global Transcutaneous Bilirubin Meters reached approximately 55,813 Units, with an average global market price of around 1,918.0 USD per Unit.
Transcutaneous Bilirubin Meters are non-invasive medical devices used to measure the level of bilirubin in a patient?s skin, primarily in neonates, to assess the risk of jaundice. These meters work by using light to estimate the bilirubin concentration in the subcutaneous tissue, which can be an indicator of the liver's ability to process bilirubin. Transcutaneous bilirubin measurement is performed by placing a sensor on the baby?s skin, usually on the forehead or chest, where the skin is thin. The device emits light at specific wavelengths, and based on the amount of light that is absorbed or reflected by the skin, the device calculates the bilirubin level. This method provides a quick, painless alternative to serum bilirubin tests, reducing the need for blood draws.
The upstream core components of Transcutaneous Bilirubin Meters mainly include light sources, photoelectric sensors, filters, microprocessors, etc. Typical suppliers include Hamamatsu Photonics, Nichia, Edmund Optics, Thorlabs, etc. The downstream applications are mainly in hospitals, clinics, community service centers, and postpartum

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care centers.

The single-line production capacity of Transcutaneous Bilirubin Meters varies significantly depending on the manufacturer's scale, product positioning, and production model. Typically, the single-line production capacity of regular products is over 2,000 units, and the industry gross profit margin is in the range of 40%-60%.

Transcutaneous Bilirubin Meters are non-invasive sentinels protecting newborn health. Designed specifically for neonatal jaundice screening, these medical devices utilize spectral absorption technology. Simply place the probe lightly against the infant's forehead or sternum, and within seconds, the difference in reflection between blue and green light is used to calculate bilirubin levels, completely eliminating the pain and waiting associated with traditional blood tests. From bedside screening in maternity wards to routine monitoring in primary care hospitals and home follow-up, this device, with its non-invasive, rapid, and safe characteristics, has become a key tool for the early detection and intervention of neonatal hyperbilirubinemia, building the first line of defense for the health of millions of newborns worldwide.

The global market for Transcutaneous Bilirubin Meters exhibits a distinct regional development pattern. North America, relying on its mature neonatal healthcare system and high medical investment, has stable and concentrated market demand. Local companies have accumulated deep expertise in device intelligence and clinical adaptability, occupying a core position in the global market. Europe excels in technological precision, with stringent medical standards driving equipment upgrades towards low-interference, high-precision solutions. Products not only serve the well-developed local healthcare network but also radiate globally through technology exports. The Asia-Pacific region has become the core engine of industry growth. China, with its large newborn population and policies promoting the widespread availability of basic medical equipment, has propelled domestic brands from followers to leaders. Meanwhile, emerging markets such as India and Southeast Asia, with their improving healthcare infrastructure, are releasing strong incremental demand. According to our data, in 2024, Asia held nearly 50% of the market share for Transcutaneous Bilirubin Meters, followed by Europe and North America. During the forecast period, emerging markets such as India and Southeast Asia are leading the global growth rate.

From a manufacturer perspective, globally, key manufacturers of Transcutaneous Bilirubin Meters include Dr?ger, Mennen Medical, Philips, Konica Minolta, Beijing Maibang Optoelectronics, Ningbo Davy Medical, Weicai, AVI Healthcare, NEORUBIN (RECOVE GROUP), Nanjing Daofen Electronics, Likang Biotechnology, Boke Biotechnology, and Micro Lab. According to our data, the top 5 manufacturers accounted for over 70% of the global market share in 2024.

The convergence of multiple demands and policies has injected continuous growth momentum into the Transcutaneous Bilirubin Meters industry. The high incidence of

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neonatal jaundice forms a rigid demand foundation, while the monitoring needs of premature and high-risk infants further make the equipment a clinical necessity. At the policy level, countries are incorporating neonatal disease screening into their public health systems, while technological innovation is reshaping product value. Multi-wavelength spectral technology overcomes the bottleneck of skin color interference, and intelligent algorithms enable real-time data transmission and trend prediction, upgrading the equipment from a simple testing tool to an entry point for neonatal health management. Meanwhile, the public's growing preference for non-invasive medical care and increased awareness of home health monitoring have further broadened application scenarios, extending from hospitals to homes and forming a full-cycle monitoring ecosystem.

This report studies the global Transcutaneous Bilirubin Meters production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Transcutaneous Bilirubin Meters and provides market size (US$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Transcutaneous Bilirubin Meters that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Transcutaneous Bilirubin Meters total production and demand, 2021-2032, (K Units)

Global Transcutaneous Bilirubin Meters total production value, 2021-2032, (USD Million)

Global Transcutaneous Bilirubin Meters production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Transcutaneous Bilirubin Meters consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Transcutaneous Bilirubin Meters domestic production, consumption, key domestic manufacturers and share

Global Transcutaneous Bilirubin Meters production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Transcutaneous Bilirubin Meters production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Transcutaneous Bilirubin Meters production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Transcutaneous Bilirubin Meters market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Dr?ger, Mennen Medical, Philips,

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Konica Minolta, Beijing M&B Electronic Instruments, Ningbo David Medical Device, VECH MEDICAL, AVI Healthcare, NEORUBIN (RECOVE GROUP), Dolphin Nanjing electronics, etc.
This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.
Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Transcutaneous Bilirubin Meters market
Detailed Segmentation:
Each section contains quantitative market data including market by value (US$ Millions), volume (production, consumption) & (K Units) and average price (US$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.
Global Transcutaneous Bilirubin Meters Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Transcutaneous Bilirubin Meters Market, Segmentation by Type:

Standard Type

Intelligent Type

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Global Transcutaneous Bilirubin Meters Market, Segmentation by Power Supply Method:

Rechargeable Type

Non-rechargeable Type

Global Transcutaneous Bilirubin Meters Market, Segmentation by Technology:

Single Measurement Optical Path

Dual Measurement Optical Path

Global Transcutaneous Bilirubin Meters Market, Segmentation by Application:

Hospitals

Clinics

Others

Companies Profiled:

Dr?ger

Mennen Medical

Philips

Konica Minolta

Beijing M&B Electronic Instruments

Ningbo David Medical Device

VECH MEDICAL

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AVI Healthcare

NEORUBIN (RECOVE GROUP)

Dolphin Nanjing electronics

Heal Force

BIOBASE GROUP

Micro Lab

Key Questions Answered:

1. How big is the global Transcutaneous Bilirubin Meters market?
2. What is the demand of the global Transcutaneous Bilirubin Meters market?
3. What is the year over year growth of the global Transcutaneous Bilirubin Meters market?
4. What is the production and production value of the global Transcutaneous Bilirubin Meters market?
5. Who are the key producers in the global Transcutaneous Bilirubin Meters market?
6. What are the growth factors driving the market demand?

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