

Asia Pacific Smoke Grenade Market Report (2021-2031) by Scope, Segmentation, Dynamics, and Competitive Analysis

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Abstracts

The Asia Pacific smoke grenade market is projected to grow significantly, reaching an estimated US\$ 132.41 million by 2031, up from US\$ 72.81 million in 2023, reflecting a compound annual growth rate (CAGR) of 7.8% during the forecast period.

Executive Summary and Market Analysis

In 2023, the Asia Pacific region accounted for 24.5% of the global smoke grenade market share and is expected to maintain a robust growth trajectory with a CAGR of 7.8% through 2031. This growth is primarily driven by the increasing demand for smoke grenades across various applications, including signaling, creating helicopter landing zones, screening, riot control, and other commercial uses. Key factors propelling market expansion include heightened military spending, particularly in ground-to-air signaling, and the rising use of smoke grenades in commercial sectors such as photography, film production, sports, cultural events, and festivals.

According to the Stockholm International Peace Research Institute (SIPRI), military expenditure in the Asia Pacific region reached US\$ 595 billion in 2023, marking a 4.4% increase from the previous year. Notably, China and India rank among the top five countries globally in terms of military spending, which is expected to further stimulate the smoke grenade market from 2023 to 2031.

Market Segmentation Analysis

The Asia Pacific smoke grenade market can be segmented based on type, application, and end user:

Type: The market is divided into hand-operated and launcher-operated smoke grenades, with hand-operated grenades holding a larger market share in 2023.

Application: The applications include signaling, screening and obscuring, riot control, and others, with signaling being the dominant segment in 2023.

End User: The market is categorized into military & law enforcement and commercial sectors, where military & law enforcement accounted for a significant share in 2023.

Market Outlook

Military organizations across various nations are increasingly focused on modernizing their military vehicles and integrating advanced smoke grenade systems. For instance, in January 2024, the Indian Defence Research and Development Organisation (DRDO) announced the successful development and integration of a "new age smoke protection system" for military vehicles. This innovative system enables vehicles to generate moving smoke curtains, which obscure enemy targeting capabilities. Additionally, it can produce smoke clouds instantaneously, providing immediate protection during surprise attacks. The system also features integrated countermeasures, including infrared jamming and decoy capabilities, enhancing defense against laser-guided and other direct energy weapons. The rise of suicide drones in military operations, capable of identifying and attacking targets, further underscores the importance of smoke grenades in providing cover for military vehicles, allowing them to evade threats.

The procurement of upgraded military ground vehicles equipped with advanced smoke grenade technology is expected to create new opportunities for market players in the coming years.

Country Insights

The Asia Pacific smoke grenade market includes key countries such as Australia, China, India, Japan, South Korea, and others. In 2023, China held the largest market

share. Smoke grenades find applications in various fields, including photography, filmmaking, military and law enforcement, and other commercial uses. Government initiatives and investments aimed at enhancing military capabilities and stockpiling ammunition are anticipated to drive demand for smoke grenades in the future. SIPRI reports that China's military expenditure was estimated at US\$ 296 billion in 2023, reflecting a 4.3% increase from the previous year, positioning China as the second-largest military spender globally, accounting for 12% of the total share. This increase in military spending is expected to further boost the smoke grenade market during the forecast period.

Company Profiles

Key players in the Asia Pacific smoke grenade market include ARSENAL, Rheinmetall AG, Chemring Group Plc, Condor Non-Lethal Technologies, Nammo AS, NonLethal Technologies, Inc., Centanex Ltd, 3rd Light Ltd, Wescom Group, and HFI Pyrotechnics Inc., among others. These companies are pursuing various strategies such as market expansion, product innovation, and mergers and acquisitions to enhance their product offerings and increase market share.

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