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CCS C 65

AQ

**INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

AQ 4272-2025

Replacing AQ 4272-2016

**Safety specification for prevention of dust explosion from the
mechanical processing of aluminum and magnesium products**

铝镁制品机械加工粉尘防爆安全规范

(English Translation)

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What this standard covers

This standard specifies the general requirements for dust explosion prevention in the machining of aluminum and magnesium products, the structure and layout of buildings (structures), electrical safety and static electricity prevention, safety of machining equipment, explosion-proof safety of dust removal equipment, and the requirements for the collection, treatment, storage, and cleaning of aluminum and magnesium dust, slurry, and magnesium shavings. Verification methods are also described. This standard applies to the engineering and process design, production operation, equipment maintenance, and management of dust explosion prevention in aluminum and magnesium product machining enterprises.

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