

ICS 25.080.99

CCS J59



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

GB/T 5290.1-2026

Replacing GB/T 5290.1-2001

**Die sinking electrical discharge machines - Parameters - Part 1:
Single column machines (cross slide table type and fixed table
type)**

电火花成形机床 参数 第1部分：单立柱机床（十字工作台型和固定工作台型）

(English Translation)

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Foreword

GB/T 5290.1-2026 is a recommended national standard (GB/T) of the People's Republic of China, issued on 28 September 2026 by the State Administration for Market Regulation and the Standardization Administration of China, with effect from 1 April 2027.

This edition replaces GB/T 5290.1-2001.

It is under the responsibility of the China Machinery Industry Federation.

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1 Scope

This standard covers the parameters of die sinking electrical discharge machines, Part 1 dealing with single column machines, in both cross slide table and fixed table types. Such machines are used in toolmaking, mold making and precision component production to shape hard metals by electrical discharge. It is relevant to machine tool builders, purchasing departments, mold and die shops, and inspectors who need consistent parameter descriptions when they specify or accept equipment. The document was issued on 28 September 2026 and takes effect on 1 April 2027, replacing GB/T 5290.1-2001. As a GB/T document it is recommended, and its force in practice depends on the contract or company policy that refers to it. Users selecting single column EDM equipment can rely on it as a common basis for comparing machine offers. A companion part addresses double-column machines.