

Chip formation and the friction among abrasive particles, binding agents and the workpiece surface are closely associated with the property and microscopic structure of the grounded material, grinding ...

By comparing the SEM and 3D morphologies, the profile and the error curve of microstructures on four kinds of ceramic materials, the structure parameters and form accuracy are ...

The biggest advantage is that the pressure can be adjusted, that is, the pressure can be adjusted to adjust the 3D parameters, and the 3D parameters can be adjusted by changing the hardness of the ...

c. Physical parameters include cooling medium flow and gate temperature etc. The most important process parameter during cooling stage is cooling time and an efficient and balance

In this paper, based on the processing characteristics and accuracy requirements of zirconia ceramic microholes, the processing principle is analyzed, and a ceramic ferrule microhole grinding system is ...

In the study at hand, the authors investigated the effect of grinding parameters on the grinding force, the content of m- phase, surface residual stress, flexural strength, and surface ...

According to the IEC standard, three technical parameters are generally specified for PC fiber optic connector: radius of curvature ROC, vertex offset and fiber height.

The objective of this study was to analyze the grinding force and the associated stress generated in a ceramic ferrule during cylindrically grinding chamfer using Finite Element Analysis (FEA).

a ferrule's end-face. This geometry determines the degree of physical contact when two connectors are mated. The geometry measurement of end-face parameters includes radius of curvature, apex offset, ...

By processing the physical signals in the grinding process, a multi-objective function was established by considering grinding parameters, i.e., surface roughness, coefficient of friction,...

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