

# Ion Milling System ArBlade 5000

The most advanced ion milling system  
“ArBlade 5000” has been launched.



## Feature

- Cross-section milling rate : 1 mm/h!
- Cross-section widths up to 8 mm!
- New generation Hybrid instrument : Cross-section milling and Flat milling

## Major specification

Common	
Gas used	Ar (argon) gas
Accelerating voltage	0 to 8 kV
Cross-section Milling	
Maximum milling rate (Material : Si)	$\geq 1$ mm/hr <sup>*1</sup>
Maximum sample size	20(W) × 12(D) × 7(H) mm
Ion beam intermittent irradiation	Standard function
Maximum milling width	8 mm (with using a wide-area cross-sectional milling holder <sup>*2</sup> )
Flat Milling	
Milling area	$\phi 32$ mm
Maximum sample size	$\phi 50 \times 25$ (H) mm
Ion beam intermittent irradiation	Standard function

※1 : This rate is the maximum depth processed for 1 hour when Si is protruded 100  $\mu$ m from the mask edge.  
And for 1 hour processing.

※2 : Used to produce wider, undistorted cross sections without applying mechanical stress to the sample

