

# 12英寸精密全自动划片机

12 INCH FULLY-AUTOMATIC DICING SAW

# AR9000



- **最大有效加工尺寸 (mm)**  
Maximum effective product size (mm)

ø12" / 300\*300

- **主轴配置方式**  
Configuration method of spindle

**对向式双主轴**  
Opposed dual-spindle

## ● **特点** FEATURE

高速料盒框架扫描, 防撞报警, 高速传输定位, 状态纠错能力强。

High-speed cassette frame scan, anti-collision alarm, high-speed transmission position, and strong status error correction capability.

全自动上下料、自动传输定位、自动对准切割、自动刀痕检测, 降低OP工作量。

Fully automatic load and unload, automatic transmission and position, automatic alignment cut, automatic kerf check, reduce OP workload.

主轴对装龙门工作台结构, 双刀间距最小28MM, 双轴切割工艺适应范围更广。

Spindle to gantry table structure, double spindle spacing minimum 28mm, dual-spindle cutting process to adapt to a wider range.

优化双轴高效切割模式, 效率较单机提高约80%。

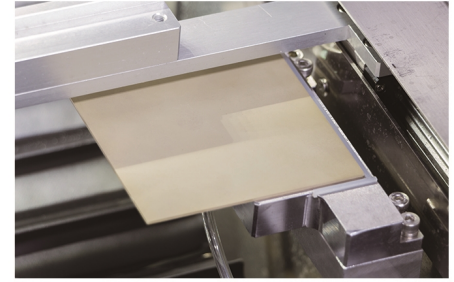
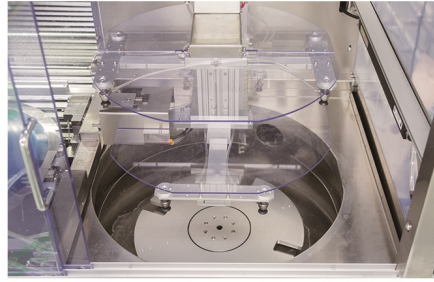
Optimized dual-spindle high-efficiency cutting mode, efficiency increased by about 80% compared to single equipment.

精密进口滚珠丝杆、直线导轨, Y向光栅尺闭环控制, 高精度机台长时间保持。

Precision imported ball screw, linear guide, Y-directional scale closed-loop control, high-precision machine to maintain a long time.

可定制特殊的切割框和工作台面, PACKAGE、WAFER双适应接口预留, 方便快捷转化。

Customizable cut frame and work surface, Package, wafer dual adaptation interface reserved for easy and fast conversion.



### 功能 FUNCTION

注: 「\*」为选配功能, 支持个性化定制  
PS: 「\*」 is an optional feature that can be customized by the customer

高精度非接触式测高  
High-precision non-contact setup

自动校准、自动刀痕检测功能  
Automatic calibration & Automatic kerf check

\*工厂自动化模块  
Factory Automation Module

选配二流体清洗、高压清洗模式  
Optional two-fluid clean, high-pressure clean mode

多片同盘双刀切割  
Chips dicing in the same time with dual-spindle

刀片破损检测系统  
Blade breakage detection

首片切后检验功能  
First post-cut inspection function

故障自纠错功能, 多种位置实施检测  
Fault self-correcting function, a variety of locations to implement the detection

适应不同工艺, 可选多种自动对准算法  
Adapt to different processes with a variety of auto-alignment algorithms

\*软件定制: 环切功能、复杂切割功能等  
Software customization: Circumcision function, complex cut function, etc.

### 参数 PARAMETER

X轴 X axis	进刀速度输入范围 (mm/s)	Input range of feed speed(mm/s)	0.1-600
Y轴 Y axis	单步步进量 (mm)	Single step increment (mm)	0.0001
Y轴 Y axis	到位精度 (mm)	Reach accuracy (mm)	0.003以内/310 0.002以内/5 (单一误差) Within 0.003 / 310 Within 0.002 / 5 (single error)
Z轴 Z axis	重复精度 (mm)	Repetition accuracy (mm)	0.001
Z轴 Z axis	刀片最大尺寸 (mm)	Maximum size of blade (mm)	φ58
主轴 Spindle	配置方式	Configuration method	对向式双主轴 Opposed dual-spindle
主轴 Spindle	输出功率 (kW)	Output power (kW)	1.8 (2.4可选) at 30,000 min-1 1.8 (2.4 optional) at 30,000 min-1
主轴 Spindle	转速范围 (min-1)	Speed range (min-1)	3,000 - 60,000
设备重量 (kg)	Weight (kg)		≈2,100
设备尺寸/W*D*H (mm)	Size/W*D*H (mm)		1,330*1,530*1,860

### 应用 APPLICATION

