



ADT DICING SAWS

ADT's dicing saws' line offer a variety of capabilities, configurations and levels of automation as well as unique solutions for special materials and applications.

The dicing saws range includes automatic saws, fully automatic saws with single and double spindle, as well as special machines for tailored applications.

ADT'S DICING SAWS UNIQUE FEATURES

Advantages

- Low cost of owner ship
- High throughput
- User freindly
- Flexible
- Customization

Monitoring

- Temperature monitoring
- Water Flow Monitoring
- Kerf Monitoring
- Product mapping confocal

Reliability

- Spindle air reservoir
- UPS Cut Map Saving
- Broken Blade Detector
- Geometric model finder
- Enhanced Kerf check inspection
- Vibration Dampers
- X Air bearing Axis



Dicing Saws

12-inch Fully-automatic Dual Spindle Dicing Saw

8230

8230 is a fully automatic dual spindle 12-inch dicing saw with high precision and performance. Its opposed distribution design, coupled with a newly developed operating system, offers an efficient and cost-effective cutting experience.



Machine features

- Spindles of 1.8kW or 2.2kW high power (for challenging applications)
- Intuitive operation interface using a large 17" touch screen monitor

Maximum Workpiece SizeØ300 mmX-axisCutting Range310 mmY1/Y2-axisCutting Range310 mmCutting Range310 mmCumulative Accuracy≤3μm/310 mmIndexing Accuracy≤2μm/5mmMaximum Stroke30mm (Corresponding to 2-inch blades)Movement Resolution Repeatability Accuracy0.1 μmθ-axisMaximum Rotation Angle380°SpindleFace to Face Dual SpindleSpindle TypeFace to Face Dual SpindleRated Torque Maximum Rotational Speed60000 rpmBlade Size2"Cleaning StationRotation Speed100-2000 rpmBlade Size2"FacilitiesRotation Speed100-2000 rpmCleaning MethodStandard Spec Atomized / Option Spec High PressureFacilitiesElectrical380VAC, 50 / 60 Hz, three-phaseFacilitiesAir≥500 L/minSpindle Coolant Flow Rate4L/min (@0.3 Mpa)Cutting Coolant Flow Rate≥12 L/min			
X-axis Feed Rate Input Range 0.1-800mm/s Y1/Y2-axis Cutting Range 310 mm Y1/Y2-axis Cutting Range 310 mm Cumulative Accuracy ≤3μm/310 mm Cumulative Accuracy ≤2μm/5mm 30mm (Corresponding to 2-inch blades) Movement Resolution 0.1 μm Repeatability Accuracy 1.0 μm 9-axis Maximum Rotation Angle 380° Spindle Type Face to Face Dual Spindle Spindle Type Face to Face Dual Spindle Maximum Rotational Speed 0.33 N ⋅ m (1.8 kW) Maximum Rotational Speed 100-2000 rpm Blade Size Cleaning Station Speed 100-2000 rpm Blade Size 2" Cleaning Method Standard Spec Atomized / Option Spec High Pressure Facilities Air >500 L/min Spindle Coolant Flow Rate >>12 L/mi	Maximum Workpiece Size		ø300 mm
Feed Rate Input Range Cutting Range Single Step (Resolution) Cumulative Accuracy Indexing Accuracy Maximum Stroke Z1/Z2-axis Movement Resolution Repeatability Accuracy Spindle Spindle Spindle Rated Torque Maximum Rotational Speed Cleaning Station Facilities Facilities Feed Rate Input Range 310 mm 0.1 μm 30mm (Corresponding to 2-inch blades) 0.1 μm 30mm (Corresponding to 2-inch blades) Alir Spindle Type Face to Face Dual Spindle 0.33 N ⋅ m (1.8 kW) Maximum Rotational Speed 60000 rpm Standard Spec Atomized / Option Spec High Pressure Electrical Air Spindle Coolant Flow Rate Cutting Coolant Flow Rate Cutting Coolant Flow Rate Cutting Coolant Flow Rate Cutting Coolant Flow Rate Size Air Spindle Coolant Flow Rate Cutting Coolant Flow Rate Cutting Coolant Flow Rate Size Unin	X-axis	Cutting Range	310mm
Y1/Y2-axis Single Step (Resolution) Cumulative Accuracy		Feed Rate Input Range	0.1-800mm/s
V1/Y2-axis Cumulative Accuracy ≤3μm/310 mm Indexing Accuracy ≤2μm/5mm Maximum Stroke 30mm (Corresponding to 2-inch blades) Movement Resolution 0.1 μm Repeatability Accuracy 1.0 μm Φ-axis Maximum Rotation Angle 380° Spindle Type Face to Face Dual Spindle Rated Torque 0.33 N ⋅ m (1.8 kW) Maximum Rotational Speed 60000 rpm Blade Size 2" Cleaning Station Standard Spec Atomized / Option Spec High Pressure Electrical 380VAC, 50 / 60 Hz, three-phase Facilities Air ≥500 L/min Spindle Coolant Flow Rate 4L/min (@0.3 Mpa) Cutting Coolant Flow Rate ≥12 L/min	Y1/Y2-axis	Cutting Range	310 mm
Cumulative Accuracy ≤3μm/310 mm Indexing Accuracy ≤2μm/5mm Maximum Stroke 30mm (Corresponding to 2-inch blades) Movement Resolution 0.1 μm Repeatability Accuracy 1.0 μm Θ-axis Maximum Rotation Angle 380° Spindle Type Face to Face Dual Spindle Rated Torque 0.33 N ⋅ m (1.8 kW) Maximum Rotational Speed 60000 rpm Blade Size 2" Cleaning Station Cleaning Method Standard Spec Atomized / Option Spec High Pressure Facilities Air ≥500 L/min Spindle Coolant Flow Rate 4L/min (@0.3 Mpa) Cutting Coolant Flow Rate >12 L/min		Single Step (Resolution)	0.1 μm
Maximum Stroke Z1/Z2-axis Movement Resolution Repeatability Accuracy 0-axis Maximum Rotation Angle Spindle Spindle Rated Torque Maximum Rotational Speed Cleaning Station Electrical Air Spindle Coolant Flow Rate Cutting Coolant Flow Rate Cutting Coolant Flow Rate Ain Spindle Size Size Adomized Ain Spindle Corresponding to 2-inch blades) 30mm (Corresponding to 2-inch blades) 1.0 μm 1.0 μm 6.0.1 μm 6.0.1 μm 6.0.3 N · m (1.8 kW) 6.0000 rpm 2" Cleaning Method Cleaning Method Cleaning Method Cleaning Method Cleaning Method Cutting Coolant Flow Rate Size Air Spindle Coolant Flow Rate Cutting Coolant Flow Rate Cutting Coolant Flow Rate Size Air Spindle Coolant Flow Rate Cutting Coolant Flow Rate Cutting Coolant Flow Rate Size Cleaning Method Cinch blades) Ain Size Colon μm Ain Size Colon μm Ain (@0.3 Mpa) Cutting Coolant Flow Rate Size Cleaning Method Cinch blades) Ain Size Colon μm Ain Size Colon μm Ain (@0.3 Mpa) Cutting Coolant Flow Rate Size Cleaning Method Cinch blades) Ain Size Colon μm Ain (@0.3 Mpa) Cutting Coolant Flow Rate Size Cleaning Method Cutting Coolant Flow Rate Size Cleaning Method Cinch blades) Ain Size Colon μm Ain Movement Resolution Ain Size Colon μm Ain S		Cumulative Accuracy	≤3μm/310 mm
Z1/Z2-axis Movement Resolution 0.1 μm Repeatability Accuracy 1.0 μm		Indexing Accuracy	≤2μm/5mm
Repeatability Accuracy 1.0 μm Paxis Maximum Rotation Angle 380° Spindle Type Face to Face Dual Spindle Spindle Rated Torque 0.33 N ⋅ m (1.8 kW) Maximum Rotational Speed 60000 rpm Blade Size 2" Rotation Speed 100-2000 rpm Cleaning Station Standard Spec Atomized / Option Spec High Pressure Facilities Air ≥500 L/min Spindle Coolant Flow Rate 4L/min (@0.3 Mpa) Cutting Coolant Flow Rate ≥12 L/min	Z1/Z2-axis	Maximum Stroke	. 0
0-axis Maximum Rotation Angle 380° Spindle Spindle Type Face to Face Dual Spindle Rated Torque 0.33 N ⋅ m (1.8 kW) Maximum Rotational Speed 60000 rpm Blade Size 2" Cleaning Station Rotation Speed 100-2000 rpm Cleaning Method Standard Spec Atomized / Option Spec High Pressure Electrical 380VAC, 50 / 60 Hz, three-phase Facilities Air >500 L/min Spindle Coolant Flow Rate 4L/min (@0.3 Mpa) Cutting Coolant Flow Rate >12 L/min		Movement Resolution	0.1 μm
Spindle Spindle Type Face to Face Dual Spindle Rated Torque 0.33 N ⋅ m (1.8 kW) Maximum Rotational Speed 60000 rpm Blade Size 2" Cleaning Station Cleaning Method Standard Spec Atomized / Option Spec High Pressure Electrical 380VAC, 50 / 60 Hz, three-phase Air ≥500 L/min Spindle Coolant Flow Rate 4L/min (@0.3 Mpa) Cutting Coolant Flow Rate >12 L/min		Repeatability Accuracy	1.0 μm
Spindle Rated Torque 0.33 N ⋅ m (1.8 kW) Maximum Rotational Speed 60000 rpm Blade Size Cleaning Station Rotation Speed 100-2000 rpm Cleaning Method Standard Spec Atomized / Option Spec High Pressure Electrical 380VAC, 50 / 60 Hz, three-phase Air ≥500 L/min Spindle Coolant Flow Rate 4L/min (@0.3 Mpa) Cutting Coolant Flow Rate ≥12 L/min	θ-axis	Maximum Rotation Angle	380°
Maximum Rotational Speed 60000 rpm Blade Size	Spindle	Spindle Type	Face to Face Dual Spindle
Blade Size Cleaning Station Rotation Speed 100-2000 rpm Cleaning Method Standard Spec Atomized / Option Spec High Pressure Electrical 380VAC, 50 / 60 Hz, three-phase Air ≥500 L/min Spindle Coolant Flow Rate 4L/min (@0.3 Mpa) Cutting Coolant Flow Rate ≥12 L/min		Rated Torque	0.33 N · m (1.8 kW)
Cleaning Station Rotation Speed 100-2000 rpm Cleaning Method Standard Spec Atomized / Option Spec High Pressure Electrical 380VAC, 50 / 60 Hz, three-phase Air ≥500 L/min Spindle Coolant Flow Rate 4L/min (@0.3 Mpa) Cutting Coolant Flow Rate ≥12 L/min		Maximum Rotational Speed	60000 rpm
Cleaning Station Station Standard Spec Atomized / Option Spec High Pressure Electrical 380VAC, 50 / 60 Hz, three-phase Facilities Air ≥500 L/min Spindle Coolant Flow Rate 4L/min (@0.3 Mpa) Cutting Coolant Flow Rate ≥12 L/min	Blade Size		2"
Station Cleaning Method Standard Spec Atomized / Option Spec High Pressure Electrical 380VAC, 50 / 60 Hz, three-phase Facilities Air ≥500 L/min Spindle Coolant Flow Rate 4L/min (@0.3 Mpa) Cutting Coolant Flow Rate ≥12 L/min		Rotation Speed	100-2000 rpm
Facilities Air Spindle Coolant Flow Rate 4L/min (@0.3 Mpa) Cutting Coolant Flow Rate ≥12 L/min		Cleaning Method	
Spindle Coolant Flow Rate 4L/min (@0.3 Mpa) Cutting Coolant Flow Rate ≥12 L/min	Facilities	Electrical	380VAC, 50 / 60 Hz, three-phase
Cutting Coolant Flow Rate ≥12 L/min		Air	≥500 L/min
		Spindle Coolant Flow Rate	4L/min (@0.3 Mpa)
		Cutting Coolant Flow Rate	≥12 L/min
Dimensions 1220 × 1550 × 1850 (mm)	Dimensions		1220 × 1550 × 1850 (mm)
Weight Approx. 2200 kg	Weight		Approx. 2200 kg