

Double-Sided Fine Grinders EDG Series



Grinder Professionals

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1 Double Sided Fine Grinder EDG Series

Upper and lower plate driven

Adjustable steer and speed
(within the specified range)

Inner ring driven

Adjustable steer and speed
(within the specified range)

Air filtration system

Adopt SMC control valves to separate the oil mist from compressed air to ensure the compressed air is dry.

Pneumatic component

All pneumatic cylinders and control valves use Japanese brand SMC.



Swinging arm

Made of high intensity metal
Equipped with protection guard
Upper plate rolls out easily

3 color indicator light

Programmable control system

Touch screen display
Control panel: with fast key and direction joystick for easy to use

Precision size controller

Accuracy indication : 0.001mm
Advanced dimension measurement with Magnescale controller
Immediately reflect the signal to PLC control and simultaneously indicate the size

High intensity cast iron mechanism

Maintain fine static and dynamic mechanical

Electrical cabinet

Vertical type enclosed electrical cabinet.
The CNC system is equipped with signal filtration device and transformer.

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Features

- Made of high intensity cast iron, high precision spindle structure and CBN grinding wheel
- Three individual adjustable driver with three stage pneumatic press control, semi-auto loading and unloading
- Online size measurement, PLC control
- Fault detection alarm

Applications

Suitable for batch grinding of parts surface. Suitable for hydraulic and pneumatic components, hydraulic motor components, pneumatic steering parts, refrigeration press parts, oil pump nozzle parts, engine parts, high precision bearings, seals, piston rings, cutting tools, molds, instrument plates, carbide tools, ceramic valve cores, monocrystalline silicon wafers, magnetic materials, etc. for double-sided grinding.



4 Specification

		EDG 700 NC	EDG 1000 NC
Grinding wheel size (CBN thickness 5mm)	mm	700x300x55	980x370x55
Max. workpiece diameter	mm	180	330
Upper plate motor power	kw	5.5	7.5
Upper grinding wheel rotation speed	rpm	5~60	5~50
Lower plate motor power	kw	5.5	7.5
lower grinding wheel Rotation speed	rpm	5~60	5~50
Inner ring motor power	kw	2	3
Inner ring rotation speed	rpm	5~40	5~40
Inlet pressure	MPa	0.6	0.6
Machine dimensions (LxBxH)	mm	4150x1900x2230	3060x2290x2590
Machine weight	kg	3000	5000
Typical workpiece		compressor valve	compressor valve
Parallelism	mm	0.001	0.001
Flatness	mm	0.001	0.001
Equal altitudes	mm	0.002	0.002
Surface roughness	mm	Ra0.2um	Ra0.2um



EDG-700 NC



EDG-1000 NC