

## Double-Sided Fine Grinders EDG Series



## Grinder Professionals

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# 1 Double Sided Fine Grinder EDG Series

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## 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.

## 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.

## 3 color indicator light

## Swinging arm

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

## 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





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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.



### 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