

CENTERLESS GRINDER MODEL CG-7

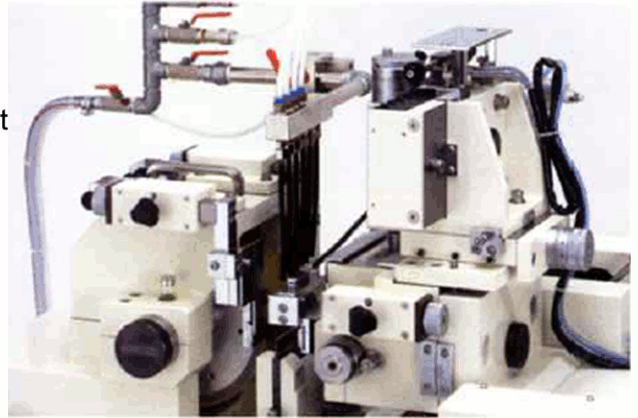
Centerless grinder Model CG-7

The Centerless Grinder Model CG-7 was designed for high-precision through feed grinding of small-diameter and ultra-small diameter work such as ceramics, cemented carbide, superhard alloys and non-ferrous metals.



CENTERLESS GRINDER MODEL CG-7

- The Centerless Grinder Model CG-7 is used for centerless grinding of small diameter and ultra small diameter other non-ferrous alloys such as carbide, ceramic and other materials by through feeding method.
- The bearings we use for grinding wheel spindle and regulating wheel spindle are special alloy of both sides holding dynamic pressure flat bearings.
- The grinding wheel spindle can be used with a diamond grinding wheel and a CBN grinding wheel.
- The grinding wheel spindle and regulating wheel spindle are each a separated unit, so these units are detachable as leaving the grinding wheel fixed on the shaft. So truing and dressing can be easily done with this special dressing device.
- It has a double-slide method. One is the entire part's movement of regulating wheel spindle and blade table, and the other is only regulating wheel spindle's movement.
- Truing of the regulating wheel can be easily done using the truing device on the machine.
- An electrolytic dressing mechanism(ELID) can be installed as an optional accessory to enable superfine grinding keeping the grinding wheel being in a dressed state.



SPECIFICATIONS

Grinding performance	.....	Diameter: 0.1mm -10mm
Grinding wheel	.....	Maximum diameter: 175mm Bore diameter: 32mm Maximum width: 75mm
Regulating wheel	.....	Maximum diameter :125mm Bore diameter: 30mm Maximum width: 75mm
Revolving speed of grinding wheel	.....	1000-4000 r.p.m. (Variable speed by inverter)
Revolving speed of regulating wheel	.....	50-200 r.p.m.
Motor for G/W	.....	0.75kW, 2P, V3, 3 phase, 200V
Motor for R/W	.....	0.1kW
Inclination angel of R/W	.....	±3°
Lower table		
Guide way	.....	V-flat sliding guide
Minimum scale	.....	Linear scale, degradative ability: 0.1µm
Regulating head part		
Guide way	.....	Dovetail
Minimum scale	.....	Linear scale, degradative ability: 0.1µm
Swivelling angle of grinding head	.....	±0.3°(against blade)
Swivelling angle of regulating head	.....	±2°(against blade)
Truing device of R/W		
Stroke	.....	90mm
Infeed scale	.....	0.02mm per one scale
IN/OUT guide plate	.....	Handle operation by manual
Measurement	.....	Approx. 1095W x 790D x 1530H mm
Net weight	.....	Approx. 650kg
Electrical source	.....	Three phase, 200V, 50/60Hz
Color	.....	Ivory

Specification subject to change without notice.



IMAHASHI MFG CO., LTD.

<http://www.imahashi.net>

Head office & Factory Postal code 400-0862
3-10-5 Asake, Kofu-shi, Yamanashi-ken, Japan
Phone: +81 055 232 3143 Fax: +81 055 232 3149
Email: kofu@imahashi.net

Tokyo office Postal code 184-8533
In KOGANEI Co., Ltd.
3-11-28 Midori-cho, Koganei-shi, Tokyo
Phone: +81 042 383 5517 Fax: +81 042 383 5518
Email: tokyo@imahashi.net