

CENTERLESS GRINDER MODEL CG-4

Centerless grinder Model CG-4

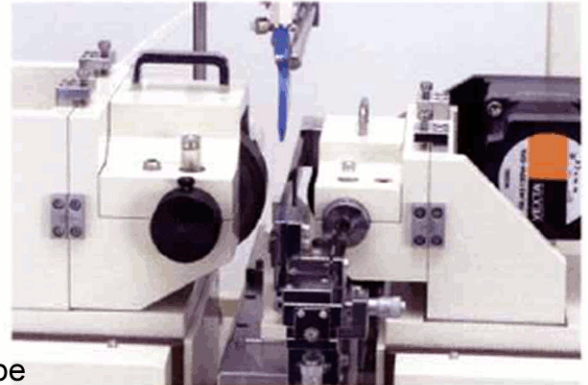
The Centerless Grinder Model CG-4

was designed for high-precision throughfeed grinding of ultra small diameter of non-ferrous metals and particularly superhard alloys.



CENTERLESS GRINDER MODEL CG-4

- A dual-holding type of dynamic-pressure slinding bearing made of special alloy is used for both of the grinding wheel spindle and the regulating wheel spindle.
- The grinding wheel spindle is designed to be able to be used with a diamond grinind wheel and a CBN grinding wheel.
- The grinind wheel spindle and the regulating wheel spindle are each a sepatate unit, so the spindle unit alone can be attached and removed while leaving the grinding wheel fixed on the shaft. So truing and dressing can easily be done with this special dressing device.
- This has a blade can be moved forwards and backwards. Accordingly, by installing a special grinding wheel, blade tips can be produced on the machine. Using this mechanism, the regulating wheel can also be easily trued.
- With the standard specifications, LEN cast iron is used for the grinding wheel spindle bracket and the slide base. As an option, LEN cast iron can be used for everything from the oil pan up.
- As an option, an electrolytic dressing mechanism (ELID) can be installed to enable superfine grinding keeping the grinding wheel being in a dressed state.



SPECIFICATIONS

Grinding wheel spindle motor	..... 400W, AC200V
Grinding wheel spindle rotation speed	..... 500-4,500 r.p.m.
Grinding wheel size	..... 100-125(OD)mm x 30(ID)mm, maximum width:50mm
Swivelling angle of grinding wheel spindle	..... $\pm 1^\circ$ (by swivelling plate)
Regulating wheel spindle motor	..... 120W, AC200V
Regulating wheel spindle rotation speed	..... 30-300r.p.m. (Variable speed)
Regulaating wheel size	..... 65(OD)mm x 25(ID)mm, maximum width:50mm
Feeding angle of regulating wheel	..... $\pm 2^\circ$
Swivelling angle of regulating wheel	..... $\pm 2^\circ$ (by swivelling plate)
Grinding wheel head strock	..... 35mm
Grinding wheel head guide	..... Linear roller way method
Grunding wheel head infeed scale	..... 0.05 μ m(linear scale)
Regulating wheel head strock	..... 35mm
Regulating wheel head guide	..... Linear roller way method
Regulating wheel head infeed scale	..... 0.05 μ m(linear scale)
Truing device	..... Blade table traverse method Stroke: 60mm Drive motor:hollow stepping motor all-in-one ball screw Feeding speed:0.6mm-100mm per minute by micro step drive
Work guide deivce	..... with IN/OUT guide
Machine size	..... 800Wx750Dx1,550H mm
Machine Net weight	..... Approx.400Kg
Standard accessory	..... Standard tool : one set
Machine color	..... Ivoly

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