



BARINDER^F 500 Series

KOYAMA

BARINDER^F 500

N8i-FDH22R-5' 12H20GR-C

Automatic grinding machine for medium and large sized castings.



Features

- Best deburring machine for medium and large sized castings.
- Rotating main & auxiliary tool- head.
- Suitable for the finishing complex shape castings.
- Main tool-head now powered by servo-motor for improved efficiency.
- Fixture changer makes you possible to operate multiple machines.

Outline of specifications

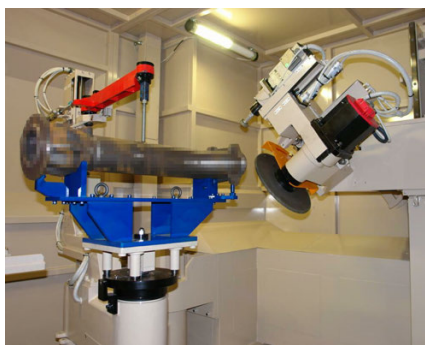
Max. machinable size	L1200×W300×H550 150kg (*Load capacity is within 200Kg)
Main tool-head	Diamond wheel Φ355×T12×Φ80
Main tool-head driving motor	4.5Kw (AC servomotor drive)
Auxiliary tool-head driving motor	2.2Kw (High speed type, Inverter drive)
Wheel tilt for max.	130° (NC control drive)
Method of load/unload	2 work pallets changer type. (NC control drive)
Control driving motor, Number of NC axis	8 axes AC servo controlled by NACR
Overall dimensions	W3120×D4105×H2849
Weight	6000kg

*Load capacity includes casting, fixture, and fixture palette.

Challenging to Future Function of BARINDER!!

N8i-FDH22R-5' 12H20GR-C

■ Grinding by tilting main shaft tool

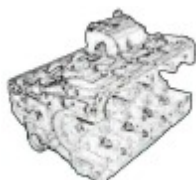


(Appeared object is virtual image)

■ Features

- 1.Small footprint.
- 2.One operator can perform multiple machine operations.
- 3.Program creation is simple and easy.
- 4.Simple operation with high function.
- 5.Quick change- less than 5 min. to change fixtures, programs and tools.
- 6.Diamond tool saves operation cost and dust generation.
- 7.High speed and efficient processing enables productivity and a higher finishing quality of product.

■ Object example Subject material : FC, FCV, FCD, BC-6, ADC, others



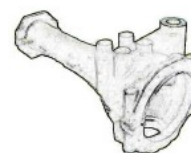
Cylinder Block
240 sec/piece



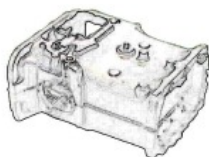
Cylinder Head
60 sec/piece



Valve
70 sec/piece



Axle Case
120 sec/piece



Crankcase
180 sec/piece



Casing
80 sec/piece



Gear case
120 sec/piece



Differential Carrier
120 sec/piece

*The grinding tact times are reference only, not guaranteed values.

Inquiry

 **KOYAMA CO., LTD.**

Suzaka Factory Development Department

3500-1, Mushiokuri, Hitaki, Suzaka-City, Nagano-Pref.,
382-0011 Japan.

TEL +81-26-215-2811 FAX +81-26-215-2812

<http://www.barinder.jp>

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