



BARINDER^F 500 Series

KOYAMA BARINDER 500

X7i-FDH22R-57HFGR-C

Automatic grinding machine for medium and large sized castings.



Features

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

Outline of Specifications

Max. machinable size	Φ700×H400, 100kg(*Load capacity is within 150kg)
Main tool-head	Diamond wheel Φ405×T12×Φ80
Main Tool-head motor	4.5Kw (AC servo motor drive)
Auxiliary tool motor	2.2Kw (High speed type, inverter drive)
Wheel tilt for max.	130 ° (NC control driving)
Control driving motor,	7 axes with AC servo-motor controlled by
Number of NC axis	NACR
Overall dimensions	W2420×D3740×H2800
Weight	3500kg

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

Challenging to Future Function of BARINDER!!

X7i-FDH22R-57HFGR-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.

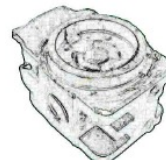
■ Object example Subject material : FC, FCV, FCD, BC-6, ADC, others



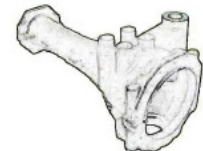
Cylinder Block
240 sec/piece



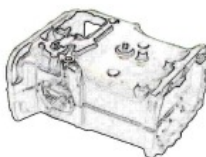
Cylinder Head
60 sec/piece



Valve
70 sec/piece



Axle Case
120 sec/piece



Crankcase
120 sec/piece



Casing
80 sec/piece



Gear case
120 sec/piece



Differential Carrier
120 sec/piece

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

Inquiry

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