



# BARINDER<sup>F</sup> 500 Series



## X6i-FDH22R-56H7GR

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.

### Outline of specifications

Max. machinable size	Φ600×H350, 50kg (*Load capacity is within 70kg)
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)
Control driving motor,	6 axes AC servo controlled by NACR
Number of NC axis	
Overall dimensions	W1900×D2405×H2483
Weight	2500kg

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

## Challenging to Future Function of BARINDER!!

# X6i-FDH22R-56H7GR

### ■ 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



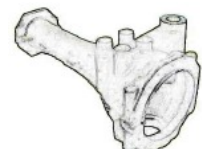
**Cylinder Block**  
240 sec/piece



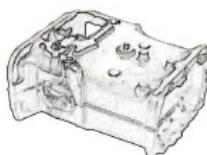
**Cylinder Head**  
60 sec/piece



**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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