

High Speed Jig Grinding Air Turbine Spindle

# PLANET

Ultra-high-Speed & Super-Precision



# About PLANET

## Features



A milling machine turns into a jig grinder by simply attaching a boring head available on the market and PLANET.

If PLANET is mounted on a bench lathe, this grinder can be used as a precision internal grinder.

PLANET can be used as a principal axis of an internal surface grinding device.

You can easily mount PLANET on a machine, so there is no need to buy a expensive high spec machine. If you use PLANET only when you need it, you can avoid idle time of a machine, and use a machine effectively and efficiently.

Rotation speed is 65,000min<sup>-1</sup>, spindle run out is within 1μm. Planet realize high-precision jig grinding and mold machining.

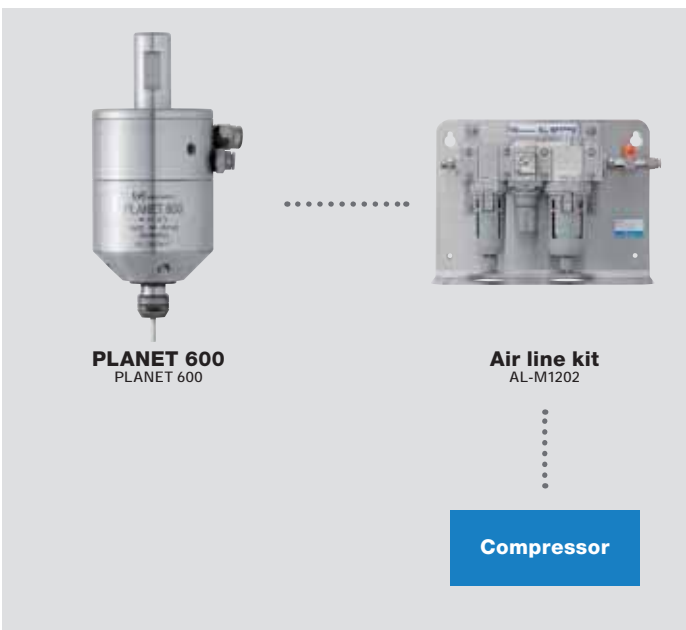
Milling machine + PLANET = Jig Grinder

Rotation speed is 65,000min<sup>-1</sup>, spindle run out is within 1μm.

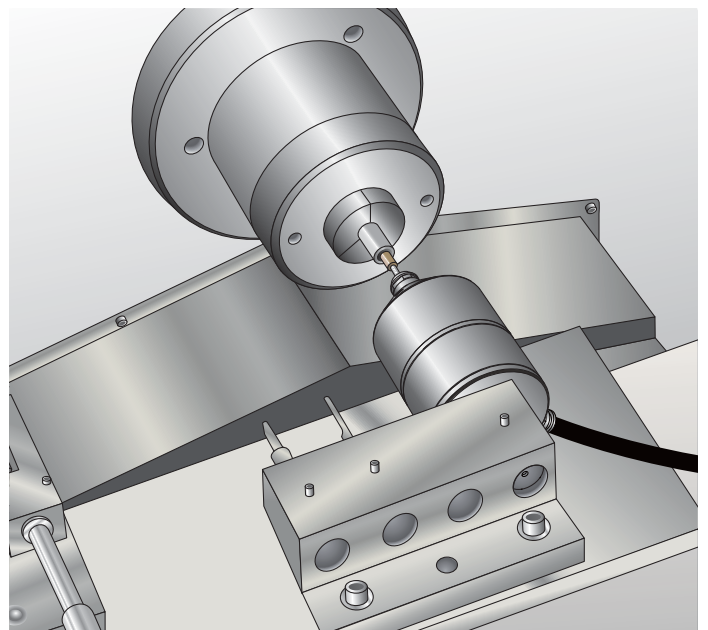
Low price = No need to buy a expensive jig boring machine

Using your machine effectively and efficiently = Avoiding idle time of a machine

## Connection drawing



## In case mounted on a lathe



Save Your Cost

Save Your Time

Save Your Machine

Save Your Planet

# Save The Planet

You can easily transform your conventional machines into high speed jig grinders with bolt-on setting.

You can also mount on lathe machines for precision internal grinding.



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# High Speed Jig Grinding Air Turbine Spindle

Not Actual Size

## PLANET 600



## Spec.

Code No.	<b>7355</b>	Model	PL600-M2040
Code No.	<b>7356</b>	Model	PL600-H3440

 Collet is sold separately.

O.D.	Max.rpm	Spindle runout	Proper air pressure	Collet	Air Consumption
PL600-M2040 $\phi 20$ mm PL600-H3440 $\phi 19.05$ mm	<b>65,000</b> min <sup>-1</sup>	Within <b>1</b> μm	<b>0.4</b> MPa	<b>CHK</b> Group ( $\phi 0.5 \sim \phi 6.35$ mm)	<b>175</b> Nℓ/min

Standard Accessories

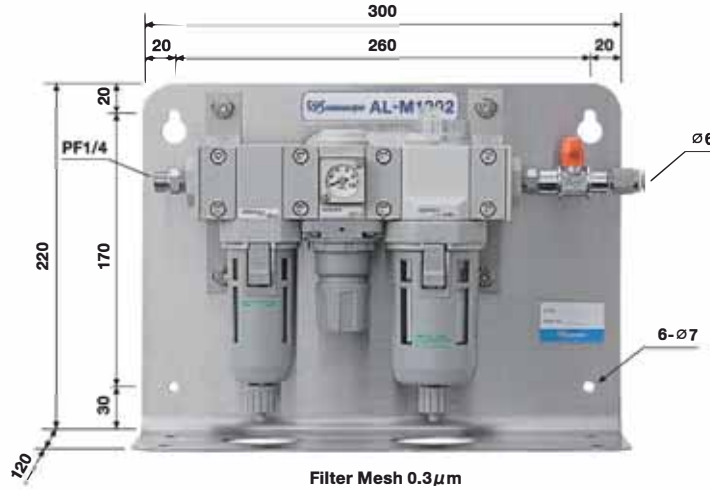
Collet nut (K-265): 1pc./Spanner (12×14): 2pcs./Inlet Air Hose (K-254:  $\phi 6$ mm×2m) with Filter Joint (FJ-01): 1pc./Silencer: 1pc./Anti-Swivel Bar: 1set

# Accessories

## AL-M1202 (For $\phi 6\text{mm}$ )

Air line kit

Code No. **4502** Model **AL-M1202**



**Standard Equipment Accessories** Connection Hose (K-260) : 2m / Lubricating Oil (K-211) : 1pc. / Reducer

Collet	Code No.	Model	I.D	
<p>Model : CHK-1.0, CHK-3.0, CHK-3.0AA, CHK-3.175, CHK-3.175AA, CHK-4.0, CHK-4.0AA, CHK-6.0, CHK-6.0AA, CHK-6.35, CHK-6.35AA</p>	<b>91592</b>	CHK-2.35	$\phi 2.35$	
	<b>91530</b>	CHK-3.0	$\phi 3.0$	
	<b>91593</b>	CHK-3.175	$\phi 3.175$	
	<b>91540</b>	CHK-4.0	$\phi 4.0$	
	<b>91560</b>	CHK-6.0	$\phi 6.0$	
	<b>91596</b>	CHK-6.35	$\phi 6.35$	
				$\phi 0.5, \phi 0.6, \phi 0.7, \phi 0.8, \phi 0.9$
				$\phi 1.0, \phi 1.5, \phi 2.0, \phi 2.5, \phi 3.5, \phi 4.5, \phi 4.76, \phi 5.5$
			CHK-□□	$\phi 1.1, \phi 1.2, \phi 1.3, \phi 1.4, \phi 1.7, \phi 1.8, \phi 1.9$ $\phi 2.1, \phi 2.2, \phi 2.3, \phi 2.4, \phi 2.6, \phi 2.7, \phi 2.8, \phi 2.9$ $\phi 3.1, \phi 3.2, \phi 3.3, \phi 3.4, \phi 3.6, \phi 3.7, \phi 3.8, \phi 3.9$ $\phi 4.1, \phi 4.2, \phi 4.3, \phi 4.4, \phi 4.6, \phi 4.7, \phi 4.8, \phi 4.9$ $\phi 5.1, \phi 5.2, \phi 5.3, \phi 5.4, \phi 5.6, \phi 5.7, \phi 5.8, \phi 5.9$
				$\phi 1.6, \phi 5.0$
<p>Model : Except above</p> <p>Collet CHK group</p>	<b>91597</b>	CHK-3.0AA	$\phi 3.0AA$ ※	
	<b>91598</b>	CHK-3.175AA	$\phi 3.175AA$ ※	
	<b>91599</b>	CHK-4.0AA	$\phi 4.0AA$ ※	
	<b>91600</b>	CHK-6.0AA	$\phi 6.0AA$ ※	
	<b>91601</b>	CHK-6.35AA	$\phi 6.35AA$ ※	

※High precision type AA (Spindle runout within  $2\mu\text{m}$ )

Collet nut	Code No.	Model	Description
	<b>2129</b>	K-265	Collet nut for Collet CHK

Lubricating Oil	Code No.	Model	Description
	<b>1057</b>	K-211	Lubricating Oil (70cc)
	<b>1058</b>	K-202	Lubricating Oil (1L)



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Specifications and design are subject to change without notice.