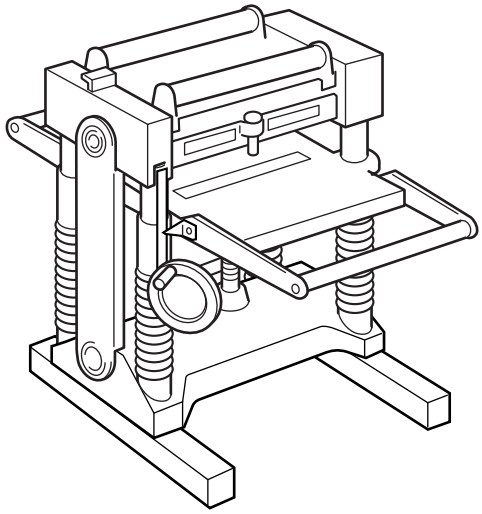
TECHNICAL INFORMATION

New Tool

For Models ► 2040

Description ► 396mm(15-5/8") Planer



CONCEPTION AND MAIN APPLICATIONS

The concept is that we design and develop an inexpensive, auto-one face planer , on the basis of #2030, by removing a hand plane and minimizing both its weight and volume so that ordinary carpenters may use it.

The blade width is enlarged to 400mm, effective shaving width is made to be 396 mm, and it is made possible to shave 1shaku 3sun(about 394mm) wood.

Durability and hardness are also improved by applying the four-pillar support and sliding system.

► Specifications

Motor		Series comutator motor
Voltage		Single-phase AC 100V
Current		15A
Cycle		50/60Hz
Continuous rating input		1400W
No load speed		6500R/min
Overall length		W570x L1025 x H715 mm
Net weight		115kg
Power supply cord		5 m
Functional size	**Planer blade size**	400mm
	Max. planing width	396mm
	Acceptable wood size	5-195mm
	Planing depth	3 mm (shaving width 150mm or less) 1 mm (shaving width 300mm or more)
	Feed rate per minute	9 m/min
	Base size(WxL)	396x600 mm

► Standard equipment

Box wrench13(for attaching/removing screws for plane blade)

⊕Screw driver2(for adjusting the height of Bed roller)

⊖ Screw driver6(for adjusting the height of wood carrying roller and the strength of applying pressure.)

Shooting board(or adjusting the plane blade height)

Hex. flange head bolt M8x30(for spare to attach plane blade)

Features and benefits

1. Auto-one face planer of which Max. shaving width is 396 mm, and it is possible to shave 1shaku 3sun(about 394mm) wood at one time.
2. Light and small (weight: 115kgs).
3. How to adjust the blade height is the same as that of #2030.
4. The life of wood carrying rollers long.
   - •As the applying pressure can be adjusted, you are able to work in a suitable condition for shaving wood.
   - •As the height can be adjusted, deep incision is available. The durability becomes much longer because you can bring down the height lower than blade edge by over 10 mm.
   - •As the roller diameter is 30% bigger than that of #2030, it is scarcely worn out.
5. As the carrying surface of Table is finished by polishing, it is good for sliding.
6. Owing to applying the shaved out Bed roller and eccentric metal, roller does not vibrate so that you can do an exact operation of setting degree.
7. Strength and durability are improved because of applying four columns.

Capacity

•Property without load

Model / Without load	#2030	#2040
Drum rotation	7.9A 7000rpm	6.6A 6500rpm
Wood carrying speed	8.5m/min	9.3m/min

•Saving test

Model / Wood width / Incision depth	#2030		#2040	
	295mm	**150mm**	**395mm**	**150mm**
0.5mm	15A 5.5m/min		14A 6.5m/min	
1.0mm	19A 4.8m/min	13.5A 6.4m/min	19A 5.3m/min	13A 6.7m/min
2.0mm		17A 5.4m/min		16A 5.9m/min
3.0mm		19.5A 4.6m/min		19A 5.53m/min

The above result is comparison of incision depth , loading current and wood carrying speed to those of #2030, in shaving New Zealand pine.

•Noise

Model / Situation	#2030	#2040
Without load	86dB	85dB
In shaving	89dB	92dB

Without load, the rotation is little and the noise is small also. In shaving, the width of shaved wood is big and the noise is big too.

Assembly/disassembly

1. Replacing of Poly-V Belt

The tension of the belt is proper if it bends approx. 7. 5mm when pressed by 1.5kgs load in the middle of pulley of the belt. In replacing the belt, it must be unnecessary to adjust the tension and height. However, please adjust them only when the actual condition is extremely different from the above. If the belt tension is too weak, slip may occur, and if too strong, Bearing will have a trouble.

2. Disassembly of Drum and Helical Gear 15

If you remove Belt, Belt cover stay, and Pan head screw in Bearing cover, you can take out Drum together with V pulley and Bearing cover helical gear 15.

Be careful that Hex. Bolts for fixing Knob40 and Helical gear 15 are left-hand thread. In removing Helical gear, take the above mentioned Hex. Bolt M5x45, pick it out by - driver together with Bearing 6204 , and then remove Helical gear 15 from Bearing using Arbor, etc.

3. Assembly/Disassembly of Metal Holder and Adjust Screw M2 7

In disassembly, after removing Wood carrier D-3, twist Adjust screw M27 by -driver , turn Metal holder to the right (left-hand thread) and remove it downward. Then, turn Adjust screw M27 to the left and take it out upward.

In assembly, fasten lightly Metal holder and Adjust screwM27 to make them a unit, and turn it to the right from downward to make it put in upper position as high as possible.