

Thank you for purchasing the HAKKO 153/154 Lead Former. This manual contains a simple explanation of the use of the unit. Be sure to read it before using the HAKKO 153/154 and keep the manual handy for easy reference.

# **Package Contents**

Hexagon Wrench/2mm (0.08 in.)1
Hexagon Wrench/2.5mm (0.1 in.)1
Hexagon Wrench/3mm (0.12 in.)1
Hexagon Wrench/4mm (0.16 in.)1

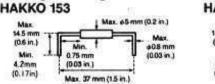
# **Specifications**

Name	HAKKO 153	HAKKO 154
Forming Size	5.6 mm (0.22 in.) Pitch	- 5mm (0.2 in.) Pitch
External Dimensions	125(W) × 130(H) × 110(D) mm [4.9(W) × 5.1(H) × 4.3(D) in.]	
Approximate Weight	2kg (4.4 lbs.) including handle and clamp	

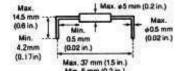
#### Compatible Taping Dimension

Outer width of tape	Max. 85 mm (3.3 in.)
Pitch	5 mm (0.2 in.)

#### Cutting & Forming



### **HAKKO 154**



Max. 37 mm (1.5 in.) Min. 5 mm (0.2 in.)

parts. A variety of parts can be processed

**HAKKO 156** 

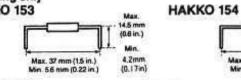
36(W) × 49(H) × 131(D) n

(5.4(W) × 1.9(H) × 5.2(D) in.)

without changing the drum.

14.5 mm (0.6 in.) Min.

#### Forming only **HAKKO 153**



HAKKO 153-154



## **Related Products**

#### HAK(0152 **HAK**((0) 156 Used for cutting and forming of individua

Motor drive for Lead Formers and Lead Cutters. Ensures accurate, high-speed processing at stable torque.

Specifications	
Name	HAKKO 152
Motor Speed (rpm.)	40 rpm. (50Hz) 48 rpm. (60Hz)
External Dimensions	360(W) × 150(H) × 140(D) mm [14.2(W) × 5.9(H) × 5.5(D) in.]
Approximate Weight	5.1 kg (11.2 lbs.)

Max. 60,000 leads per hour

# **PHAKCO**

#### HAKKO CORPORATION HEAD OFFICE

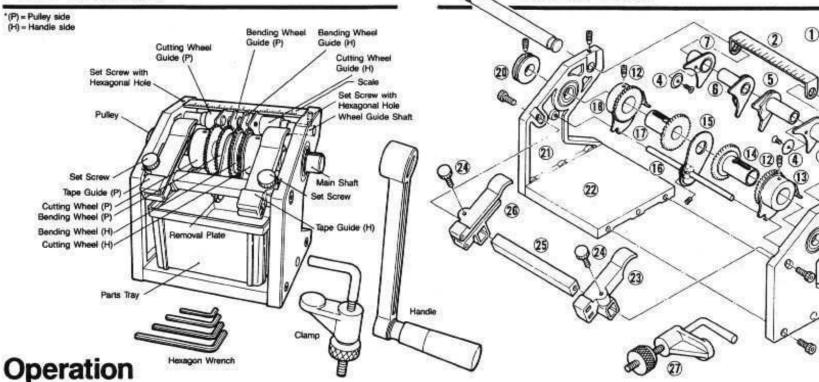
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Please access to the following address for the other Sales affiliates http://www.hakko.com/address

# **Part Names**



#### < Preparations for Use>

#### 1 Fasten unit in place.

. Use the Clamp to mount the unit to the

#### 2 Attach Handle.

· Insert the Handle so the end of the Adjustment Screw (C) fits into the groove on the Main Shaft, then tighten the screw with the 3mm (0.12 in.) Hexagonal Wrench.

#### <Cutting and Forming>

#### 1) Set the forming size.

 Using the 3mm (0.12 in.) Hexagonal Wrench, loosen the two Adjustment Screws (A) on the Cutting Wheel.

**Cutting Whee** 

the length of

Cutting Size

cutting size.

**Cutting Size** 

The inside of the Cutting

Cutting

 Adjust the position of the Bending Wheel Guide to the desired forming size.

The outer edge of the Bending Wheel Guide is the forming point. The lead wires will be bent alone the outside of the Bending Wheel Guide.

#### 2 Set the cutting size.

Adjust the position of the Cutting Wheel Guide to the desired cutting size.

Remember that the inside of the Cutting Wheel Guide will be the cutting size.

· After the desired settings have been made, tighten the Adjustment Screw on the

The screws should fit perfectly into the grooves on the Main Shaft or the Bending Wheel and

#### 3 Set the parts tray in place.

. The cover should go on the side with the

#### Set the Tape Guide in place.

. Loosen the Set Screw on the Tape Guide · Adjust the Tape Guide to the width of the part to be taped, then fasten it in place by tightening the Set Screw.

In order to make sure that the tape does not get caught, the Tape Guide should be set to slightly wider than the width of the taped part. Be careful

#### ⑤ Place the taped parts in position.

· Place the parts so they catch on the gears of the Bending and Cutting Wheels, then turn the Handle slowly, while holding the first row of parts, until they catch on the

#### <Forming Only>

When only forming parts, the maximum size that can be processed is shown in the diagram

**Parts List** 



Note With sizes over 14.5 mm (0.6 in.), forming accuracy cannot be guaranteed.

#### 1 Remove the Cutting Wheel Guide.

 Using the 2mm (0.08 in.) Hexagonal Wrench, loosen the two Set Screws with Hexagonal Holes holding on the Wheel Guide Shaft

· Pull out the Wheel Guide Shaft and remove the Cutting Wheel Guide.

#### ② Set the Bending Wheel Guide in place.

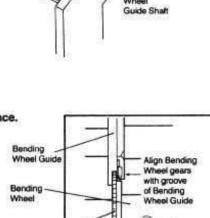
Insert the Wheel Guide shaft and attach the Bending Wheel Guide.

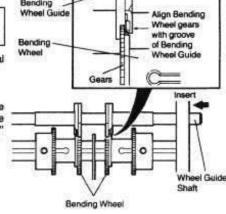
When mounting, align the groove on the Bending Wheel Guide with the Bending Wheel gears, as shown in the figure at left.

Fasten the two Set Screws with Hexagonal

#### 3 Set the forming size.

. To set the forming size, use the same procedure as described in "(1) Set the forming size" in the "Cutting and Forming"





#### **Direction of Cutting/Bending Wheel Guides**

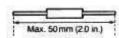
The figures below show the (P) (pulley) sides of the guides. Be careful to mount them in their proper directions



Cutting Wheel Guide

#### <Cutting Only>

When only cutting parts, the maximum size



#### 1) Switch the Cutting Wheel Guide and the Bending Wheel Guide.

 Using the 2mm (0.08 in.) Hexagonal Wrench, loosen the two hexagonal-hole Set Screws with securing the Wheel Guide Shaft, then remove the Wheel Guide Shaft.

 Switch the positions of the Cutting Wheel Guide (P) and the Bending Wheel Guide

. In the same manner, switch the positions of the Cutting Wheel Guide (H) and the Bending Wheel Guide (H).

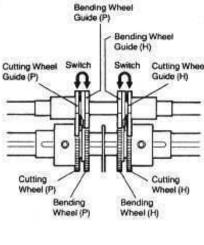
#### 2 Assemble the mechanism.

. Insert the Wheel Guide Shaft and mount the Cutting Wheel Guide and Bending Wheel Guide.

When mounting, align the groove on the Cutting Wheel Guide with the Cutting Wheel gears, as shown in the figure at left. There is no need to align the Bending Wheel and the Bending Wheel

#### 3 Set the cutting size.

. To set the cutting size, use the same procedure as described in "(2) Set the cutting size" in the "Cutting and Forming" section of this manual.



**Cutting Whee** 

Parts Tray

Scale (inch) Cutting Wheel Guide (H)

6 A1098 A1102 Bending Wheel Guide (P) 7 A1094 Cutting Wheel Guide (P)

Cutting Blade Bending Wheel Guide (H

Cutting Wheel (H)

Bending Wheel (H) Removal Plate

Bending Wheel (P)

Hexagon Wrench 2.5 mm Hexagon Wrench 3 mm with set screw

B1546

A1099 A1103

14 A1101 A1105

B1393

B1386

B1390 B1389

B1396 B1416

