

# Super Gyros Knife Manual

*The Super Gyros Knife is a simple, reliable and easy to use tool, but it is essential to know how it works in order to get the best from it.*

*The blade is made from hardened stainless steel for long life and durable sharpness. This is driven by a small but powerful motor contained in the handle and connected to the blade via a shaft, running in twin stainless steel ball bearings, and a self-aligning coupling. All the materials are either food grade stainless steel or acetyl copolymer, so will not rust or corrode. The coupling allows the user to easily engage and disengage the head for cleaning. The head is the only component, which will need to be dismantled from time to time for more thorough cleaning or blade replacement. This is also a quick and simple task.*

*The unit is powered by a mains transformer, which can be conveniently situated out of the way. A push button on the handle switches the unit on when depressed and off when released. The blade guard is also the adjuster for the thickness of the meat slice, achieved by moving the guard up or down.*

## **Instructions**

### **How to use:**

- *Situate the transformer unit away from the work area, but within easy reach of the knife to prevent the lead stretching. Ensure no fat or grease can come into contact with the transformer.*
- *Plug lead gently into the transformer socket.*
- *Hold the unit in one hand at the correct angle to the meat surface (80–85 degrees). Press and hold button and bring unit smoothly into contact with meat, using your whole arm NOT just the wrist.*
- *Pull the unit gently down the gyros cone, forming a long strand of meat. Remove unit from the meat BEFORE releasing the button.*

### **Safety Precautions:**

- *Do not use in damp or wet areas*
- *Do not immerse the whole knife in water– Please see instructions for cleaning on page 2*
- *Do not disassemble the handle or transformer unit. In the unlikely event of a problem, consult Optimal Automatics, Inc.*
- *Handle the unit with care– the blade is extremely SHARP!*
- *Use only in accordance with these instructions*
- *Keep away from children*
- *For use only by trained personnel*

### **Cleaning Instructions:**

- Remove head from handle.
- Remove cap by unscrewing the thumbscrew completely.
- Wash head unit and cap in hot water using mild detergent.
- Occasionally remove the blade for more through cleaning. See page 3 diagram.
- Shake off any excess water and allow to dry completely.
- Replace cap and thumbscrew.
- Carefully engage plastic drive coupling onto motor coupling in handle, and screw head back onto handle– **DO NOT USE FORCE**– it should go on easily! Lightly tighten.

## **Disassembly**

### **Head unit:** (Refer to diagram on page 3)

*The head assembly consists of the following components:*

1 Head	(item 9)	1 Bearing assembly	
1 Cap	(item 15)	2 Bearings	(item 2)
1 Cap retaining screw	(item 16)	1 Bearing spacer	(item 3)
1 Blade	(item 10)	1 Spindle	(item 1)
1 Washer	(item 11)	1 Spindle coupling	(item 5)
1 Button head screw	(item 12)	1 M4x6mm socket set screw	(item 7)
1 Blade guard	(item 13)	1 Drive coupling	(item 6)
2 M4x8mm cap head screws	(item 14)	1 Spindle circlip	(item 4)

### **Blade Removal:**

1. Remove cap by unscrewing cap retaining screw.
2. Remove button head screw using 3mm Allen Key. Lift off blade. Take care! The blade is sharp!

*Note the bearing assembly is sold as a unit. It is therefore unnecessary to disassemble this unit. However, in the unlikely event of a drive coupling needing replacement, simply remove the M4x6mm grub screw, which loosely retains the coupling, using a 1.5mm Allen Key. Do not over tighten on replacement! The drive coupling should be "loose". This is normal to allow for any coupling misalignments.*

## **Assembly**

### **Head Unit:**

*The main reason for disassembly and assembly of the head unit is for cleaning and blade replacement.*

### **Blade Assembly:**

*Locate the blade over the “D” shape with the bevel on the blade facing down. Some “play” in the “D” is normal.*

*Fit the penny washer and screw in the M5x8mm socket button head screw using a 3mm Allen Key. Hold the blade carefully while tightening the screw!*

### **Blade Protector:**

*Fit the blade protector (guard) using the two M4x8mm socket cap screws. DO NOT over tighten. Adjust for meat slice thickness by sliding up or down as required.*