



# RBS-PRO POWER WRAPPER

## LEGEND

- A** Large Head-Stock Pulley
- B** Self-Centering 3-Jaw Chuck
- C** Drive Belt
- D** Small Stepped Motor Pulley
- E** Variable Speed Drive Motor
- F** Aluminum Drive Stand
- G** Light Duty Silicone Belt & HD V-Belt
- H** Mounting Hardware (4x Screws, Nuts, Washers)
- I** Concave / Convex Check Teeth (3x each)
- J** Foot Pedal

Tools Required: 3/32 Allen Wrench, Phillips Head Screw Driver, Pliers



## INSTRUCTIONS FOR INSTALLATION AND USE

- 1.** The RBS-Pro can be adjusted to align the stepped pulleys for different speed configurations. (see fig.1) The stock configuration aligns the motor pulley (D) in the following configuration: Small MP (D) to large HSP (A), large MP (D) to small HSP (A)  
\*See pulleychart for specifications and alternate configurations.\*
- 2.** The motor height is adjustable to increase or decrease belt tension between the stepped pulleys. Install belt according to the desired speed configuration; make sure belt is properly seated in the pulley groove and adjust tension as needed. (see fig.2)
- 3.** Mount the RBS-Pro to an aluminum base station using: mounting hardware (H), a phillips head screw driver and pliers . Install all 4 Mounting bolts through the pre-drilled holes on the aluminum drives stand (F) and the ABS aluminum base station (not included), and then, tighten by hand before securing with tools. (see fig.3)
- 4.** Includes two Sets chuck teeth: Concave and Convex. Concave teeth are pre-installed on the RBS-Pro. To change the Teeth simply remove the retaining screw and washer using a 3/32" Allen key and remove/install the alternate teeth before re-installing the retaining screw.  
\*DO NOT operate chuck without reinstalling retaining screws.\*
- 5.** The Machined aluminum 3-Jaw Chuck reverse tightens to prevent loosening during operation, and knurled edges for easy gripping when tightening or loosening. The chuck can be expanded to accommodate up to 2.50" O.D.  
\*DO NOT operate unit if expanded beyond the recommended diameter. (see fig.4)\*
- 6.** Once installed with all mounting hardware and adjustment screws tightened securely, the unit is ready for operation. After power is supplied and the toggle switch is flipped to the "ON" position, the unit is operated by the included foot pedal (J) to control speed during operation.  
\*ALWAYS flip the switch for the unit to the "OFF" position and unplug when not in use.\*

FIG. 1



Adjustable motor depth

FIG. 2



Control belt tension  
Fine-tuning motor / pulley height

FIG. 3



Install RBS-Pro to RBS Aluminum  
Base using pre-drilled mounting  
holes using included  
mounting hardware

FIG. 4



Tighten (clockwise) or loosen  
(CCW) the adjustable 3-jaw chuck

### CONCAVE TEETH

Perfect for  
standard rod  
blanks, and  
fighting butts.



### CONVEX TEETH

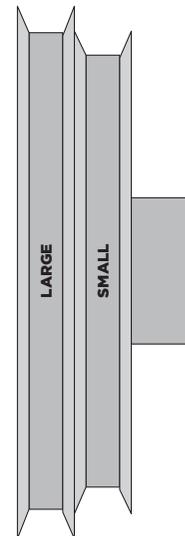
Perfect for smaller  
diameter blanks  
and mandrels for  
shaping cork.

## PULLEY SPEED CHART

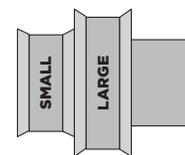
Pulley	Ratio	Max RPM
Small MP - Large HSP	6.75:1	740
Small MP - Small HSP	6.37:1	785
Large MP - Large HSP	3.66:1	1366
Large MP - Small HSP	3.45:1	1449

Use these settings as a lathe for turning grips.

### HEAD STOCK PULLEY (HSP)



### MOTOR PULLEY (MP)



### GENERAL SAFETY WARNINGS

Read all safety warnings and instructions before use.

Failure to heed warnings could result in Electric Shock, Fire, Damage to Components or Injury.

1. Keep work area clean and well lit.
2. Do NOT operate in water, near wet conditions, or in the presence of flammable liquids, gases, or particulates.
3. Do NOT Pull on, damage, or modify core or plug for motor of foot pedal. keep cords away from heat, Sharp edges, or moving Parts.
4. Eye protection should be worn at all times. When sanding, respiratory protection is recommended.
5. Foot pedal operates via a thermal rheostat; avoid extended operation on carpet to avoid overheating.
6. Keep loose clothing or long hair away from RBS-Pro during operation. Unplug when not in use. Do not leave children unsupervised.