

# HUDY®

## HUDY MICRO TIRE TRUER #10 3200



### MAIN FEATURES:

- Trues most 1/24 and 1/18 micro car foam tires
- Adapters #103210 for HPI 1/18, XRAY M18 and #103211 for XRAY M18 PRO and #103220 Kyosho Mini-Z 1/24 are not included
- Specially designed and manufactured grinding drum for highest quality truing
- Pre-installed slave motor, switch box, and power cables
- Adjustable tire diameter
- Long-life protective case

### ELECTRICAL CONNECTION

Connect the power cable to a DC power source (between 7.2V and 12V) being sure to observe proper polarity; red wire to positive, black wire to negative. Ensure the drive motor rotates clockwise (CW) when viewed from the end of the pulley (left side). This will ensure the ground rubber falls downward into the collection tray beneath the grinding drum.

### TIRE GRINDING

Before using the tire truer for the first time, adjust the cutting angle by adjusting the Middle Support Block (103028). Loosen the M4 screw that secures the middle support block to the base (on the bottom), then adjust the middle support block until the headstock is parallel with the grinding drum. This will ensure the grinding plane of the tire is flat and not coned. Tighten the M4 screw. Use a small amount of medium grade threadlock compound (for example, Loctite® 242 blue grade threadlock) on the screw to prevent loosening.

Pivot the Axle Holder (103025) away from the grinding drum by tightening the Backstop Screw (103054). Fully loosen the Feed Thumbscrew (103053) from the axle holder, but do not remove it. Mount the tire by pressing it fully onto the wheel adapter (103210 for HPI Micro 1/18 or 103220 for Kyosho Mini-Z 1/24). With the truer turned off, adjust the Backstop Screw (103054) until the tire just touches the grinding drum. Then, tighten the Feed Thumbscrew (103053) until it just touches the Thumbscrew Back Post (103033), and the tire moves slightly away from the grinding drum. You are now ready to true your first tire.

Turn on the truer, and slowly move the tire toward the grinding drum by loosening (CCW) the Feed Thumbscrew (103053). When it is loosened all the way, the tire should be touching the grinding drum, and the Backstop Screw (103054) prevents the tire from being ground any further. Check the tire diameter, and if necessary adjust the Backstop Screw (103054)

Congratulations on your purchase of the Hudy Micro Tire Truer, the world's first professional micro tire truer for truing most 1/24 and 1/18 micro car foam tires. Its small size, light weight, and easy operation make it a great tool to take to every race or practice. And of course, it gives you the most precise and optimal tire truing available in a portable package.

This professional-quality micro tire truer features a compact duraluminum base for a solid, stable platform for truing. Consistent truing quality is ensured by the grinding drum that is precisely pressed onto a milled spindle shaft. The grinding spindle, along with the axle spindle, rides on high-quality shielded ball bearings to eliminate vibration when truing, while at the same time increasing the truer's operational life. The grain surface on the grinding drum is uniformly applied, which stabilizes the drum and eliminates vibration and provides perfect quality truing. Tire diameter can be easily adjusted on this tire truer, and set to true numerous tires to the same diameter with a high degree of precision.

Two other advantages of the tire truer are the collection tray for ground rubber and a protective cover for the grinding drum. Both these features enable a safe and clean tire truing process.

### IMPORTANT WARNING

- **READ** these instructions carefully before using
- **ALWAYS** use protective glasses
- **DO NOT** touch rotating parts when in use
- **DO NOT** remove grinding drum protective cover when in use

### TIRE GRINDING (cont'd)

to make the tire a smaller diameter (loosen screw CCW) or larger diameter (tighten screw CW). After you have reached the desired truing diameter, do not move the Backstop Screw (103054) unless you want to set a different tire diameter. Back the tire away from the grinding drum by tightening (CW) the Feed Thumbscrew (103053), turn off the truer, and remove the tire. Repeat this procedure for truing more tires to the same diameter.

To smooth the surface of a tire while truing, press the Wheelaxle Pulley (103050) in the axial direction several times.

If you need to change the wheel adapter to true different size tires, remove the mounted adapter, and then install the other adapter. To remove the mounted adapter, loosen the adapter setscrew and slide the adapter off the axle spindle. To install the other adapter, slide the adapter onto the axle spindle, and then tighten the setscrew onto the flat spot on the axle spindle. Ensure the adapter is tight on the axle spindle, and that the assembly does not have excess play.

### MAINTENANCE

After truing, dispose of the ground rubber from the collection tray. Remove the Grinding Drum Cover (103048) and clean the dust and rubber from the entire truer with a paintbrush or compressed air. It is absolutely necessary for all moving parts to move freely. If the truer is not cleaned, built-up ground rubber will eventually impede operation. Check the rubber pulley belts periodically for cracking and stretching, and replace as needed.

If you follow these operation and maintenance instructions, HUDY guarantees high quality, high reliability tire truing as well as a long life span for this great tool.

We hope that you will be satisfied with the performance and quality of this equipment. If you have any questions or advice about how to improve this equipment, please do not hesitate to contact us.

**Thank you for choosing HUDY products!**