



2016

Special Events Entry Form

Belt Sander Drag Race

Event Information:

- 2:00PM Sunday, August, 14th

General Rules:

- Two Categories: Stock & Modified
- Free Fair Admission on Sunday for those bringing a belt sander to race
- Full list of rules can be picked up from the fair office

Entry fee: NONE

Entry Deadline: 1:45PM, Sunday, August 9th

Name _____

Mailing Address _____

City _____ State _____ Zip _____

Phone Number _____

Category (circle one): STOCK MODIFIED

I hereby release and hold harmless the Trinity County Fair Association, Directors and staff, County of Trinity and the State of California an/or any individual, group, or organization connected with the contest from any responsibility for any loss, damage, or injury resulting from participating in this event or practices for it. Further, I hereby resume and accept the full risk and danger of any hurt, injury, damage, or loss resulting to myself or my property from my participation.

Exhibitor (Parent/Guardian)

Date

Stock Division:

While you're not allowed to mechanically alter or remove any part of your sander, if you're going to be racing it in the stock division, here are a few ideas that may help you get into the winner's circle:

- The Shortest distance between two points is a straight line.-The simplest thing you can do to make sure your sander runs faster is to make sure it runs in a straight line down the track. There are a number of methods to achieve this, such as making a simple wood box that covers the sander, metal guide frames with wheels, or nearing guide bars. Any one of these will help to make your sander run straight and true down the track. (With the track width only 7 ¾ inches wide, make sure you don't make the guides too tight, ¼ inch clearance is suggested)
- Tracking – Check to make sure the belt is running straight on the sander. T's a good idea to check this after every race. Power is provided in the pit area for this purpose.
- Belt Choice- Make sure the belt you choose is new and sharp and free of any track dust. An official track is made of soft plywood so the belts will bite into the track. The coarser the grit, the better. Make sure you have spares in case you tear or break one during a race.
- Less Drag- Wipe any part of the sander or frame that will come in contact with the side rails of the track with wax, graphite, or silicone spray.
- Variable Speed-While it may seem obvious, make sure your sander is set at it's highest speed.
- Decorations- If you are decorating your sander, make sure the decorations start at least 2 inches above the base of the sander. You don't want any decorations rubbing against the side of the track.

Modified Division:

Most of the suggestions from the stock division apply to the modified division as well. The trick is to find the cored balance between RPM, torque, and weight. With that said, any modifications can be made to the motor, drive system, and/or electrical. However, mounting a router motor with very high RPM's does not seem to work all that well, unless you like to see spectacular burnouts at the starting line. The motor of choice seems to be grinder motors.

MAKE SURE TO READ THE RULES SHEET REGARDING BOTH DIVISIONS.

Rules for the Belt Sander Drag Race

Stock Division:

- Belt sanders used must be 'off-the-shelf' standard products made by an established manufacturer/brand.
- No modifications or substitutions to mechanical or electrical components.
- Track guides and wheelie bars are allowed and encouraged – See track and guide sheet. Any sander that will not stay on the track will be eliminated from competition as a safety hazard.
- Non-functional decorations allowed and encouraged. Make sure any decorations are at least 2" above the track surface.

Modified Division:

- This is an open category for creating the fastest sander through alterations within the limits of the power source, fitting on the track and belt rules.
- Belt sanders must propel itself with conventional sanding belt only.
- Modifications and substitutions allowed to motor, drive system, electrical, etc.
- Track guides and wheelie bars are allowed and encouraged – See track and guide sheet. Any sander that will not stay on the track will be eliminated from competition as a safety hazard.
- Non-functional decorations allowed and encouraged. Make sure any decorations are at least 2" above the track surface.

Track:

- The track consists of seven, eight-foot portable table sections hooked together to form a two side-by-side drag racing lane.
- The length from start to finish line is 30'. The remaining track is used for slowing and stopping with padding at the end of the track for sanders to stop safely.
- Inside dimension of the track is 7 ¾ inches wide and 1 7/8 inch high side walls.
- Race entries must fit into the track and run on the track surface.

Power:

- Standard 110 household current.
- Race entries must plug into standard extension cord provided.

Racing:

- Race Official's decision is final.
- Race entry owners are responsible for tracking entry belt before each race.
- Race entry owners are responsible for ensuring sander fits into track.
- Race entry owners are responsible for any sander decorations.
- Race entry owners are responsible for all risks or damage to their sanders.
- Once the sander is placed on the track, it cannot be touched, adjusted, or interfered with in any way.
- Race Official aligns entries at starting line and plugs in power cord.
- Race will be replayed if switch was not on, or at Race Official's discretion, if an unfair situation occurred.
- Race Officials collect sanders at end of track and return them to their owners.
- Sander is disqualified if it stops, jumps track, flips, or does not finish for any reason.
- Racing is conducted on a double-elimination basis for each race entry, unless Race Official announces alternative format.

