CSS CASKET SIDE SAW AND ROUTER

- The CSS Casket Side Saw and Router has been designed to cut sides or ends of a casket including the top and bottom mouldings.
- The operator loads the mouldings first and then the panel. After fixing parts together using the hold downs, the operator starts the cutting cycle. The assembly table travels from assembly/load position to back position. During the table travel, miter cut happen first on the way in and then grooving kerf on the way back toward home position.
- Both saw carriages are adjustable in reference to the center position of the saw. Carriage movement is powered by an electric motor with encoder.
- During the table movement toward the saw, optional stops can be made and nailing guns be activated to fix mouldings and side together.
- When the table reaches the back position, two (2) optional spindles simultaneously mill recess and drill the hole for the lock fixture on one of the long side part of the casket.
- During the table movement toward home position, two (2) optional spindles can make the corner post recess. The table stops at proper position of travel to allow the spindle to move the set depth of recess, the table starts moving to reach the recess height and then stop again. The spindles are moving out to complete the corner recess milling operation before the table complete the movement toward home position.
- Saw is designed to allow space for a waste conveyor below the saw zone.

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Equipment features and specifications

- Two saw modules include two saw motors each, one to trim and one to score the groove. The trim saw can be adjusted in two positions, either vertical or at 45° angle relative to the vertical.
- Six laser lights show the position of the trim cut on the casket components over the assembly area to help the operator place the part properly in reference to the cut position and also show the area where no adjustable hold down jigs should be located to interfere with saw and router. The laser lights are attached to the saw mobile modules.
- Both trim saw blades retract pneumatically when they return to clear panel on their way back.
- The scoring blades are in down position only on the way back and activated by pneumatic means. The scoring blades can be retracted to clear the cutting path when doing vertical cut or otherwise decided.
- Both saw modules are adjustable, reference to the center.
- Each saw has a dust collector hood.
- The adjustable module positions respond to the dimension keyed in by the operator on the HMI, in reference to the center of the part.
- An assembly table to hold the top and bottom mouldings to the casket side, including seven pneumatic hold downs to clamp parts during the assembly process and cutting cycle.
- One set of assembly jigs are supplied with the equipment as an example for the client to build other ones for various models.
- A traverse beam with linear rails to support six carriages for nailing guns.
- Safety features to protect operator during the saw cycle including fencing on the outside perimeter of the equipment. Access doors are protected by electrical safety switches for easy access to replace blades.
- Power and Control Panel including PLC, VFDs and a HMI touchscreen

OPTIONS

- Two 3-axis machining spindles to mill the lock fixture recess. Each spindle features an electric driven spindle with variable speed. Spindle assembly is attached to main frame and manually adjustable/lockable to set horizontal position in reference to center. Each axis is powered by linear screw.
- Two 1-axis machining spindles to mill the corner recess. The spindle features an electric driven spindle with variable speed. The movement axis is powered by linear screw. The spindle is pneumatically moving up/down to avoid interference with casket part before being trimmed.
- Waste belt conveyor integrated into the main frame with inclined sides to move waste blocks toward a common point.
- Additional jigs can be provided.

To view video of this product, scan this QR Code with your mobile phone

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