

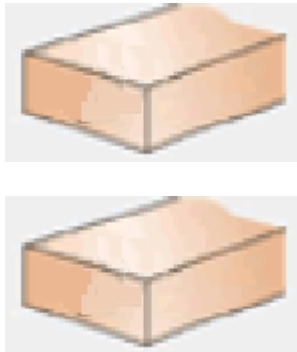
Demo: Tenon & Mortise Making

09.23.2018

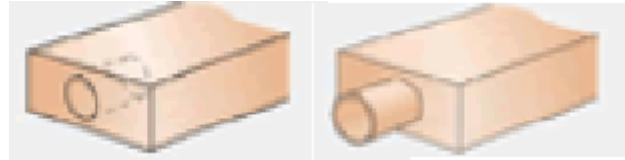
Wood: 60×30×300mm (2 pcs)

- ⊕Cutter: 10mm router bit (equipment)
- ⊕Template: Template with a single round hole

Before routing



After routing



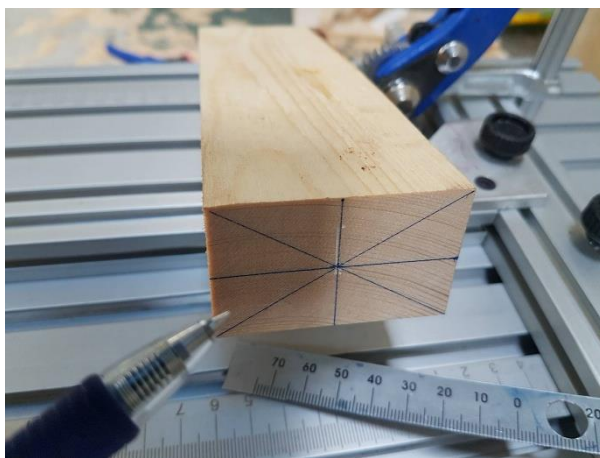
[This is a demo for beginners using the Multi-Function Joinery Machine; you may make adjustments according to your own experience and habit]

Procedure:

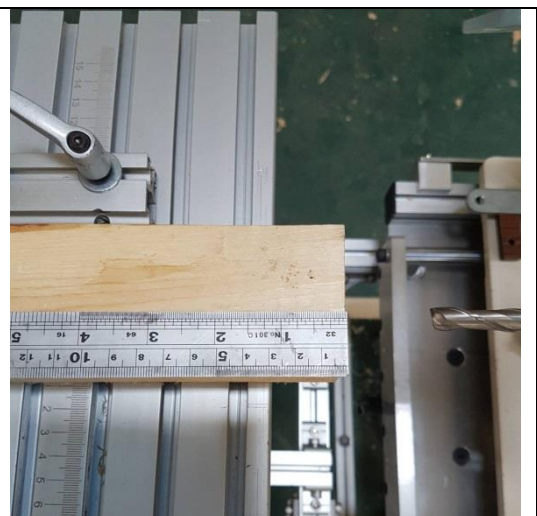
Step 1 : (Mortise making)

- 1-1 : Draw **diagonal lines** using pen and ruler on the wood surface to be routed.
- 1-2 : Push the wood piece out from the edge of the work table by **30mm**.
- 1-3 : Insert **guiding pin** in the **center point** of the **mortise template**.
- 1-4 : Adjust x-axis and y-axis infrared light to point at the intersection of the diagonal lines, placing the wood piece against one side of the fence and **securing it with a type-F clamp**.
- 1-5 : Set the routing depth to 20mm. Hold the handle of the Multi-Function Joinery Machine with both hands and start the routing.

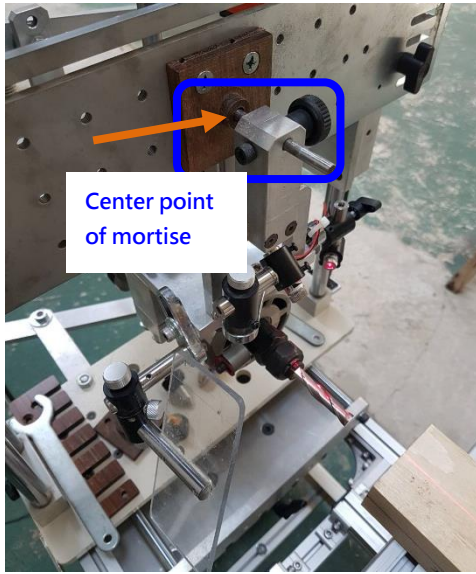
1-1



1-2



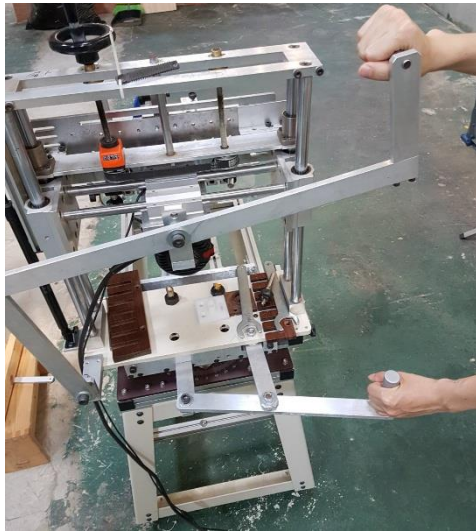
1-3



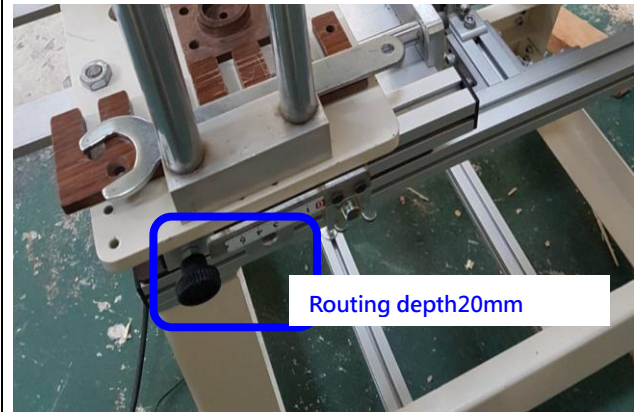
1-4



1-5



1-5



Routing completed



Step 2: (Tenon making)

2-1 : Follow step 1-1 for mortise making.

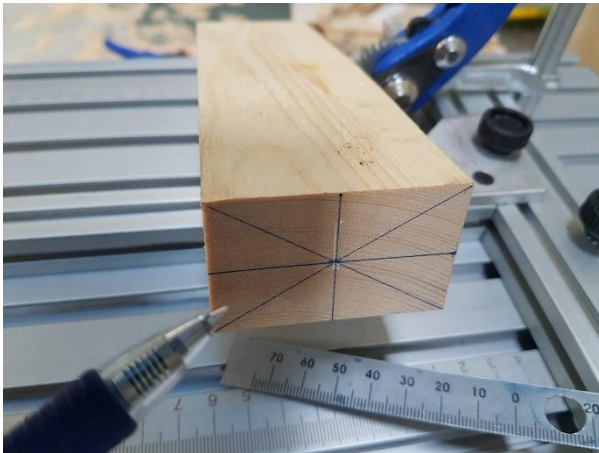
2-2 : Follow step 1-2 for mortise making.

2-3 : Insert **guiding pin** into **center point of tenon template with round hole**.

2-4 : Follow step 1-4 for mortise making.

2-5 : Follow step 1-5 for mortise making.

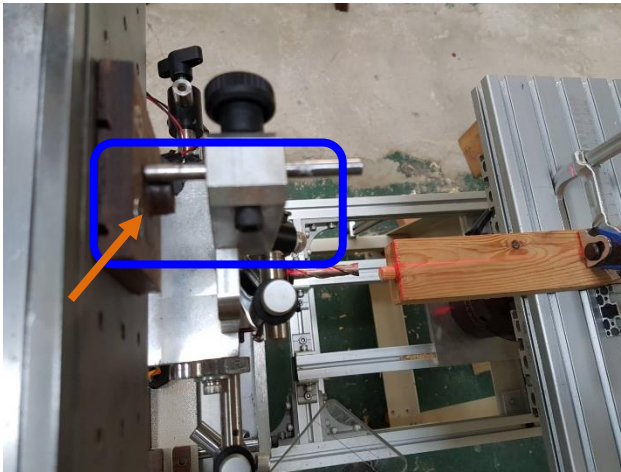
2-1



2-2



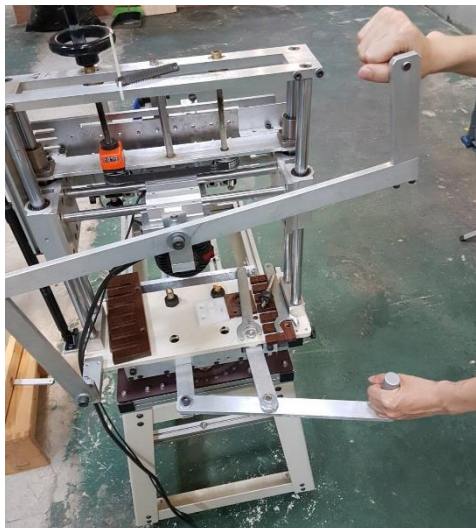
2-3



2-4



2-5



Routing completed

