Automated cage assembly additional details:

1. For all of the 3D printings, I used black PLA fillament by Prusa, and printed with Prusa MK3S.
2. The cage was built with 6mm cast plexiglass sheets, milled with a simple CNC machine but could be cut by a laser machine.
3. The cage assembly could be done by Plexiglass glue or by screws (Holes for screws are not marked in the DXF files).
4. The main pipe is 40 mm OD and 36 mm ID plexiglass milled by a milling machine. An STL file is attached for 3D printing with a fine transparent material. Another option is to cut it with a 4 axis laser machine.
5. The rails for the partition could be glued with epoxy or R21 glue.