

COIL WINDING DEVICE AND COIL WINDING METHOD**ABSTRACT**

There are provided a bobbin rotating unit for holding a bobbin having a wire wound around it and being rotated; a nozzle for feeding out the wire in sequence; wire clamp means for clamping a starting end of winding of the wire fed out of the nozzle and being integrally rotated with the bobbin rotating unit 1; clamp and cutting means for clamping a finished end of winding of the wire and cutting it; and NC control means for controlling of selective motion of the nozzle in a vertical direction substantially at a right angle to a horizontal direction in parallel with an axis of the bobbin, controlling a rotation of the bobbin rotating unit, controlling a clamp of the wire with the wire clamp means and controlling the clamp and cutting of the wire with the clamp and cutting means. In this way, there may be provided a coil winding device and a coil winding method in which productivity can be improved and concurrently quality can also be stabled, its cost can be reduced and the coil can be provided in a less-expensive price.

FIGURE 2