

NZ-2 型手摇自动排线机用途：本机系适用于电讯、电器工业制造低压变压器、汽车发火线圈、绕线电阻、电表零件等平绕而需排齐的各种线圈。

机械原理和使用方法：本机手摇电动均可使用，主机、粗线拉紧装置，放线架固定位置应相隔 300mm，有利于粗线排绕。排绕粗线用手轮轴上 35 牙齿轮转动中间 69 牙齿轮再传至车头轴 23 牙齿轮，手轮盘与车头轴比速 1：1.5，排线范围为 20#-30#。排线细线，用手轮轴上 69 牙齿轮转动中间 35 牙齿轮再传至车头轴 23 牙齿轮，手轮盘与车头比速约 1：6，其排线范围 30#-40#。

手轮轴上小摩擦盘，用橡皮轮垂直传动大摩擦盘而带动长丝杠转动。橡皮轮为无级变速机构，旋转长螺丝旋扭使橡皮轮变位而导致循回拖板变速。更换线号时旋转旋扭即可调整线的密度。

注意移动橡皮轮位置时，必须转动手轮，不使橡皮轮损伤，橡皮轮部分不能加油，保持清洁，否则影响排线，导线从线筒经线杆滑轮过循回拖板上两个滑轮到车头轴的线圈上。线圈传动拉动导线，拖下摆块，线筒可自由放线，一旦导线中断摆块由拉簧之力将制动盘刹住，使线筒不受惯性继续放线。循回拖板随长丝杠旋转而来回移动，其行程即线圈长度以定位圈控制。性能：可绕线圈直径 12-150 毫米，可绕线圈长度 6-110 毫米。适用线号 SWG20#-40#，可计圈数 2500 圈。

一. Application: This machine is suitable for the telecommunications, electrical industrial manufacturing low voltage transformer, automobile ignition coil, the winding resistance, electric meter parts such as level wound coil and need to be aligned.

二. How to use: It is better for leaving 11.81inch (300mm) part among host, coarse thread tension device, pay-off strand .

thick and thin wires:

Thick wires: 35 teeth gear turn 69 teeth gear in the middle, 69 teeth gear turn 23 teeth gear on the front.

Thin wires: 69 teeth gear turn 35 teeth gear in the middle, 35 teeth gear turn 23 teeth gear on the front.

For #30-#40 wire

Hand wheel Turn Ratio 1: 6 (35 to 69 to 23, CAM wheel)

For #20-#30 wire

Hand wheel Turn Ratio : 1:1.5 (69 to 35 to 29 CAM wheel)

You should rotate turn-knob for adjusting density of thread when you change thread.

三. There is the small friction panel on the axle of jiggle bar. Move the rubber cone or gear vertically to the bigger friction panel , and then you can rotate the button to moving back and forth and the cyclic plate can move right and left. With different degrees of thickness or sizes of the thread, you need to adjust the system of speed change by rotate rotating button.

四. Note: 1. When changing the size of thread for the winding machine, it doesn't need change cone, insteadly it need to use the rubber cone or gear

as the system of speed change and change the speed between the small friction disk and the longer cyclic friction disk. But you cannot add any kinda oil to the rubber cone or gear. If it was smeared oil of careless, you should take down the cone and wipe it up, or it will lose the fuction for dispensing thread.

2. When changing the size of thread, rotate the rotating button on the right side in front of the machine. And point the indicating arrow to the size of thread on the panel. If the thread gets loose you should rotate the button order to clockwise. If the thread gets tight you should rotate it on the opposite direction. Note that when you move the rubber cone or gear , you should rotate the jiggle bar out of hurting rubber cone or gear.

3. You can add lubricating oil to the parts regular in frication except the rubber cone or gear. And don't make any oil permeate to the rubber cone or gear.

五. Performance:

maximum coil diameter is 0.47-5.91inch (12-150) mm

maximum coil length is 0.24-4.33inch (6-110mm)

Count range is 0-2500 ring