



## 设备的主要性能、特点

铜极网是采用铜T1M为原料，经加工成为有两侧卷边、中间V型槽的铜网。其主要用途是作为蓄电池正极使用。使用铜极网作为蓄电池正极板栅的时候，能够使电池的正极活性物质利用率提高，增加电池的使用效率。

## 产品的用途和材料要求

本生产线生产的铜极网专用于蓄电池正极板栅。可选材厚度为0.2mm，理论宽度为176mm的纯铜板材。

## Description

Main property and characteristics: Copper pole network is made of copper T1M, processed into copper mesh with both sides of the bead and the middle of the V-groove. It's main purpose is to be used in the battery positive. Copper pole network as battery positive electrode grid can improve the use ratio of the positive electrode active substance and efficient use of the battery.

## The purpose of the product and material requirements

The copper pole network produced by this production line specialized in battery positive electrode grid. Alternatively the thickness of 0.2mm, the width of the theoretical material of the copper plate of 176mm. Material is copper plate with thickness of 0.2mm and width of 176mm.

## 生产流程

本生产线首先利用开卷间歇机构控制开卷机将铜板卷料被动放出，卷料通过卷边机卷边成型送入冲网机进入冲网环节，冲网机通过电机皮带传动将动力传递给曲轴，进而带动模具作上下高速冲剪运动，将铜板冲剪成型，进而由后级整平机进行整平修整，再由气动剪剪成所需长度，并自动置于收料小车上。除了开始工作时需手动把板料送入卷边机、冲网机、整平机外，一旦正常工作，所有动作均自动完成。

本生产线适用于铜极网的自动化连续生产，其主要特点是自动化程度高、运行精度高，运行安全可靠，大大提高了生产效率。

## Production process

The production line uses de-coiler intermittent device to control de-coiler to feed copper coil firstly, then put the forming coil through curling machine into expanded mesh machine. Expanded mesh machine transmits power to bent axle through motor belt drive to make patterns high-speed punching up and down. After punching the copper sheet, through the leveling machine to level and finish. At last, cutting the sheet to demanded length by pneumatic shear and put them to collecting trolley. Except the start work need manually feed into the curling machine, expanded mesh machine and leveling machine, all the works are automatic only the machine runs normally. This production line is suitable for automatic continuous production of copper pole network, its main feature is high degree of automation, high running accuracy, safety and reliable operation, greatly improving production efficiency.



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