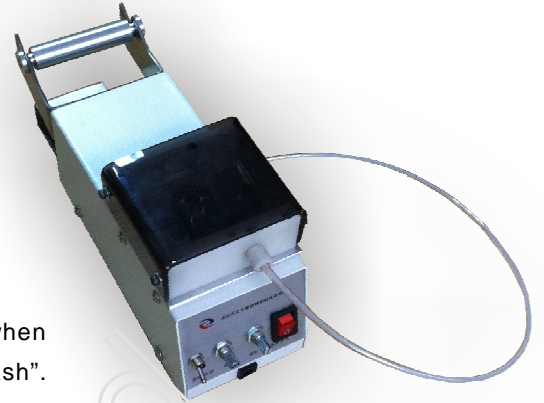


# 焊接工具系列 Welding tool series

## 自动锡线打孔机

Automatic Tin wire breaking machine



手工焊接的锡丝，其中都包含有助焊剂，在焊锡过程中当锡丝内的助焊剂瞬间遇到烙铁头高温时会在熔化的金属中沸腾，此沸腾反应所造成的高压往往会产生俗称“锡爆”现象，沸腾的助焊剂带着锡爆开后又瞬间降温，最后在基板上形成细小锡球。

Tin wire of manual solder contains a lot of flux, the flux will be boiled when meet high temperature solder iron, this kind of situation we called “tin splash”. The tinsplashes on the PCB board will become a tiny tin ball.

为了避免在焊锡过程中产生锡爆，我司开发出防锡爆破锡机，用日本进口材质精密加工的刀状齿轮在锡线侧面上压出细孔让助焊剂渗出，这样大部分助焊剂就在金属外围沸腾。不会因锡爆所产生的锡球烫手和影响到板上其他的敏感元件，有效保证了焊接部位的清洁，节省了清洗流程，节约成本。

In order to avoid the “tin splash” happened, we designed out a machine called “tin-breaking” machine. The blade of machine made by Japan imported material with gear shape to make holes on the tin wire to release flux. This kind of process can improve the solder quality and make the PCB board clean.

### 产品特点: Feature

- 此款机器专利设计，标准化，机身更小巧、精致、灵活、轻盈，更适合在线操作，可直接挂在产线艺看板处，每个烙铁手工位直接作业，人性化，破锡深度明显，焊接效果非常好，作业人员不用担心焊接时溅锡烫手。速度可调，送锡量可调，可采用手持式开关或脚踏开关控制节奏，所有接头及电源全部采用快接方式，方便移动和更换不同工位。
- The machine is pattern design, it is small and flex to use on-line on each soldering station. Operator no need to worry the hot tin splash on hand. Adjustable tin-breaking speed controlled by both hand switch and food pedal switch. Every connector and power are fast connected for easy movement and station changing.



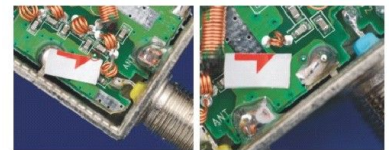
特殊设计刀片  
Special Blade



锡线剖锡效果  
Tin-breaking



传统破锡刀片均是齿轮状，打点状孔  
Old blade is gear type and dot hole on tin wire.

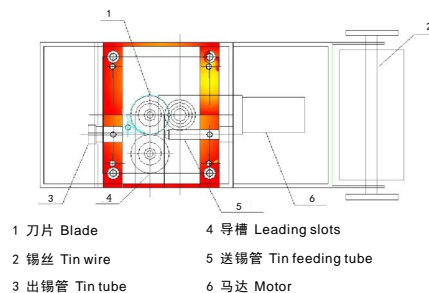


未破锡的焊锡丝，焊锡锡珠如图：  
Un-broke tin wire burst tin ball on PCB board as below.

### 规格参数: Specifications

功率Power	15W
工作电压Voltage	AC220V
对地电阻Resistance to ground	0. 1Ω
出锡速度Tin-breaking speed	25mm/s
出锡模式Tin-breaking method	自动/手动Automatic/manual
锡线直径Tin wire diameter	φ 1. 0
马达Motor	减速马达Gear reduction motor
整机重量Weight	约1. 3kg
外形尺寸Size	240mm(L) *75mm(W) *70mm(H)

### 整体示意图: Whole sketch map



\*以上为本案例中的细节描述, 具有代表性但无针对性, 仅供参考。具体均以实际样板、方案设计为准。