

设备简介

Equipment introduction

电路板回收设备用于处理废旧电路板、覆铜板、线路板及边角料等物料中的金属与非金属的分离，回收其中的金属和树脂粉。适用范围：各种废电路板、覆铜板、废电脑 motherboard、废手机主板、废电视板 PCB 废料、覆铜板等家用电器。

The PCB Recycling Machine is adopted the dry type physical recycling method to separate the metal and resin powder, the recovery rate is up to 99.9%. There are no pollution during the whole process. Scope of application: All kinds of waste circuit boards, copper clad laminates, waste computer motherboards, waste mobile phone motherboards, waste TV boards, PCB waste, copper clad laminates and other household appliances.



产品优势

Product advantages

- 1、结构紧凑，布局合理，性能稳定，噪音低。
- 2、采用PLC控制全套生产线均匀进料，协调运作。
- 3、粉碎室采用循环水控温与降噪。
- 4、全套生产线采用负压送料有效降低粉尘溢出。
- 5.回料系统使粉碎更高效。
- 6、气流分选设备分选率高达99%以上。

1. High separation rate reach to 99.9%;
2. Processing capacities range from 1000KG/H to 3000KG/H;
3. High automation, improve the working efficiency, and reduce the labour cost;
4. This type copper aluminum radiator recycling machine is applicable to process all types of scrap air conditioner radiators and car water tanks, include the deformed ones.

项目介绍

Project Introduction

电路板回收设备是将报废电路板拆解分解分离成金属和非金属的一套工序流程。带电子元件的电路板，经过脱锡、拆解之后，去掉元器件。电路板通过粗碎、除铁、细碎完成金属和非金属的解离，形成金属和非金属的混合物，进入气流比重筛，把大部分金属物提取出来。气流比重筛出来的电路板纤维粉含有少量的细微金属（约2-5%的含量），然后进入静电分选机，把剩余的细微金属提取出来达到最大的金属回收率。电路板回收设备的使用，不仅可以有效地回收电路板中的有价值金属，还可以减少废旧电路板对环境的污染。使用时，需要严格遵守操作规程事项，确保设备的正常运行。

PCB recycling machine is used to dismantle and separate scrapped circuit boards into metal and non-metal. Firstly to remove components and de-tin the solders from PCB. Secondly to crush mother board through coarse crushing, iron removal, and fine crushing to form a mixture of metals and non-metals. Thirdly mixutre of metal and non-metal go to air gravity seperator to extract most of the metals. The circuit board fiber powder screened out by air gravity seperator contains a small amount of fine metal (about 2-5%), and then enters the electrostatic separator to extract the remaining-fine metal to achieve the maximum metal recovery rate. The use of circuit board recycling equipment can not only effectively recover valuable metals in circuit boards, but also reduce environmental pollution from waste circuit boards.



设备参数

Product advantages

型号 Model	外部尺寸 External dimension (mm)	产量 Capacity (kg/h)	回收率 Recovery percentage (%)	收集系数 Collection coefficient (%)	功率 Power (kw)	重量 Weight (kg)
TM-1000	6000*7500*4200	100-200	≥98	≥99	45	4250
TM-1500	7000*8200*4500	300-400	≥98	≥99	68	6500
TM-1800	8000*11000*4800	500-600	≥98	≥99	110	8500
TM-2000	8200*16000*5250	800-1000	≥98	≥99	198	12500



利润分析

Profit Analysis

每小时200公斤印刷电路板回收机利润分析8小时/天 200kg per hour Printed Circuit board recycling machine analysis profit 8 hours/day			
生产成本 Production cost	原料成本 Feeding material cost	6400元 906USD	7086元 988USD
	电费 Electricity cost	336元 42USD	
	工人工资 Worker salary	300元 30USD	
	维护费用 Maintenance cost	50元 10USD	
收入 Income	金属混合物收入（ 20% ） Metal mixture income	9600元 1269USD	10112元 1323USD
	树脂收入（ 80% ） Resin income	512元 54USD	
净利润/天 Net profit/day	10112元-7086元=3026元 1323USD-988USD=335USD		

相关设备

relative devices



撕碎机
Shredder



破碎机
Grinder



脉冲粉尘集电极
Pulse Dust Collector



空气比重分选床
Air Gravity Separator



静电分选
Electrostatic Separation



郑州拓美机械设备有限公司

Zhengzhou TM Machinery Co., Ltd

郑州拓美机械设备有限公司是集设计、制造、国内外销售为一体的设备制造企业。

公司生产销售环保型铜米机,水洗铜米机,撕碎机,电路板回收设备,散热器,电机拆解机器,鳄鱼剪切机,铜铝水箱破碎分离机,金属破碎机,高压静电分离机,铝塑复合材料磨粉机等.目前公司产品已经出口到美国,法国,德国,瑞士等60多个海内外国 家和地区,产品获得欧盟认证和国内外广大用户的认可和好评。

公司总部位于荥阳市, 欢迎广大新老客户洽谈咨询,工厂参观,免费测试机器。

ZhengZhou TM Machinery Co.Ltd is a machine manufacturer in China, we focus on recycling machine design, research and innovation. Our main business scope: manufacture recycling plants for waste lithium battery, cable wire, PCB, copper aluminum radiator, mixed plastic waste medical blister pack etc.

Welcome to visit our factory and test our machines.



☎ 156-1741-8855

🌐 www.tmjqi.com/www.tm-recycle.com

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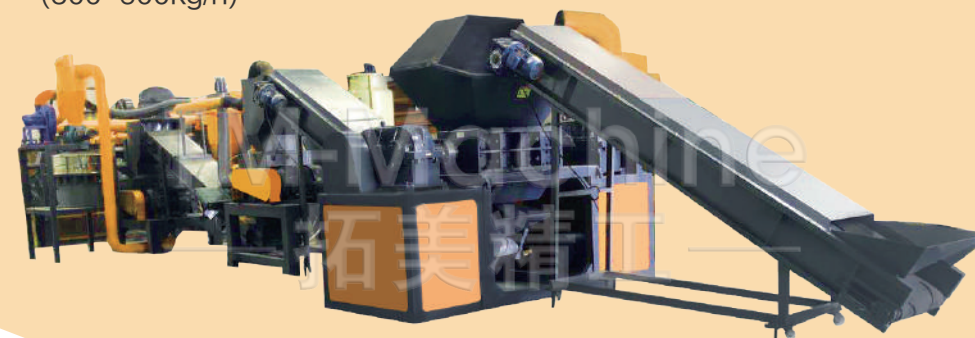
热销机型

Hot sale



TM-1000
(100~200kg/h)

TM-1800
(500~600kg/h)



TM-1500
(300~400kg/h)



TM-2000
(1000kg/h)

TM-Machine

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