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# 对海目星激光模切机的实际产能进行分析

## 摘 要

现在新能源汽车高速发展，对于汽车电池的需要也增加，而锂电池的制造过程也在，技术也在不断地进步。现在在国内制造锂电池最大的公司是宁德时代新能源科技股份有限公司，他在锂电池的制造的技术上是世界上最领先的一批。

在制造过程中对于模切，用的是海目星激光模切机，海目星激光模切机采用IPG激光技术，对膜片进行切割，但是现在最大的问题就是在激光切割过程中会有一些膜片切不断，导致在生产过程中既浪费时间也浪费材料，增加了成本，本设计就是对于这一现象进行改善，对于海目星激光模切机在阳极车间切割口切不断的原因进行分析，从中找到原因，针对问题进行研究，对机器的维护做出相对应的措施，对机器进行相应的改善，从而解决膜片切不断的问题，减少停机次数，从而提高产量减少浪费材料，节约成本。

**关键词：** 新能源汽车；激光模切机；切不断

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## Abstract

Now new energy vehicles are developing at a high speed, and the need for automobile batteries is also increasing, while the manufacturing process of lithium batteries is also in progress, and technology is constantly improving. Now the largest company to make lithium batteries in China is Ningde Times New Energy Technology Co., Ltd., which is the world's leading group in the technology of lithium battery manufacturing.

For die-cutting in the manufacturing process, the use of starfish laser die-cutting machine, starfish laser die-cutting machine using IPG laser technology to cut the diaphragm, but now the biggest problem is that in the laser cutting process there will be some continuous film cutting, resulting in a waste of time and waste in the production process material, increased the cost, this design is to improve this phenomenon, for the starfish laser die-cutting machine in the anode workshop cutting continuous reason analysis, find out the reason, research on the problem, machine maintenance to make corresponding measures to improve the machine, so as to solve the continuous film cutting problem, reduce the number of downtime, thereby increasing production and reduce waste materials, cost savings.

**Keywords:** new energy vehicle; laser die cutting machine; cutting constantly

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# 目 录

摘要 .....	错误!未定义书签。
Abstract .....	错误!未定义书签。
第 1 章 绪论 .....	1
1.1 项目背景 .....	1
1.2 项目研究的目的及意义 .....	2
1.3 国内研究现状 .....	错误!未定义书签。
第 2 章 对海目星激光模切机的实际产能进行分析 .....	4
2.1 海目星激光模切机简介 .....	4
2.1.1 输入电压的需求 .....	4
2.1.2 压缩空气的需求 .....	4
2.1.3 安装说明 .....	4
2.1.4 设备功能 .....	5
2.1.5 设备安装调试操作维护注意事项 .....	5
2.2 计算海目星激光模切机的制造效率 .....	8
2.2.1 收集停机数据 .....	8
2.2.2 激光模切机制造效率 .....	9
2.3 对如何提高激光模切机制造效率进行分析 .....	9
第 3 章 对激光模切机的切不断问题进行分析 .....	10
3.1 对激光切割部位的介绍 .....	10
3.2 对于阳极激光模切机耳切不断的原因进行分析 .....	11
第 4 章 皮带轴承和皮带张紧轴承计算 .....	14
4.1 轴承介绍 .....	14
4.1.1 什么是轴承寿命 .....	14
4.1.2 滚动疲劳寿命与基本额定寿命 .....	14
4.2 计算参数 .....	15
4.2.1 基本额定寿命计算 .....	15
4.2.2 转速 .....	15
4.2.3 基本额定动载荷 .....	15
4.2.4 当量动载荷 .....	16
4.3 计算 .....	16

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