

# 牙科微型降塵裝置

艾歐恩環境科技  
Aönn  
Environmental  
Technology  
(原何處惹塵埃團隊)

## 產品 / 服務介紹

研發及提供對醫療從業者更為  
健康友善的輔助產品

由成功大學環境醫學研究所、牙醫學系暨口腔醫學研究所與南臺科大機械工程系教授與學生共同研發，集結空氣品質、牙科材料、機械動力專業領域的技術人才。並與成大醫院口腔醫學部保持密切的合作，提供臨床上最直接的意見與使用回饋。



### 技術領域

生醫器材、精密機械  
環境科技、電子電機



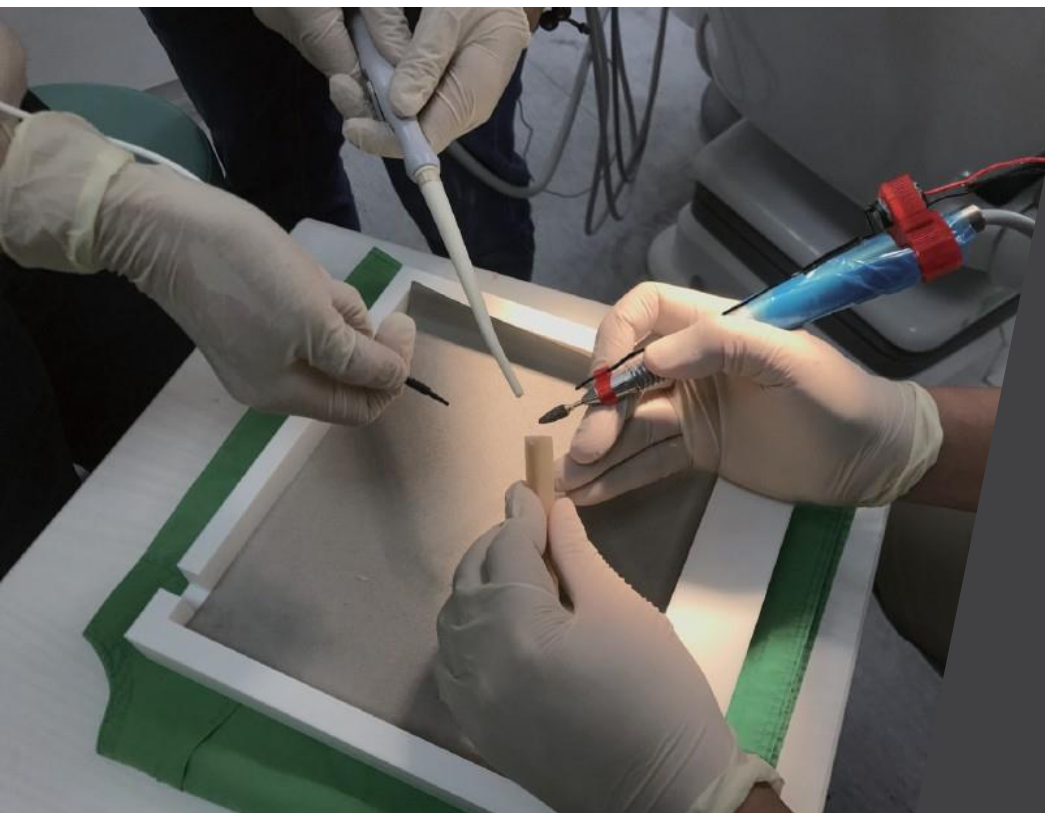
### 專利保護狀況

可減少空氣污染的電子設備  
(中華民國專利 I683649)

# 牙科微型降塵裝置

## 技術簡介

本團隊首創一牙科微型降塵裝置，體積小、可快速應用於牙科的車削手機系統。



藉由搭載之裝置提升懸浮微粒的清淨效率，並降低操作過程中吸入有害氣體的粉塵微粒。此外，運作時的幾乎不產生聲響，可減少噪音的產生。

## 聯絡資訊



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聯絡人

蕭亦婷



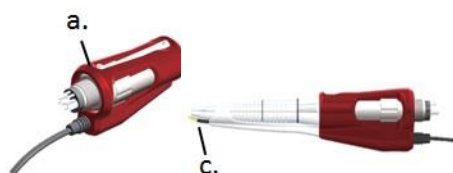
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a 裝置外套件

b 門診用牙科慢速手機

c 裝置導管

## 市場規劃

目前的商品規劃，預計於2021年申請GMP等認證並進入量產，主要專注於教學醫院口腔醫學部門、牙醫診所、牙技所等市場。也希望未來能與其他牙科手機廠商或空氣清淨相關廠商有討論切磋甚至合作研發等機會。



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National Cheng Kung University



成功大學國際產學聯盟

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國立成功大學 技轉育成中心  
National Cheng Kung University  
Technology Transfer & Business Incubation Center



# Small-scale dental dust settling device

## Aönn Environmental Technology



### Introduction

We develop and provide supplementary products that are healthier and friendly to medical practitioners.

Our team is a multidisciplinary collaboration between National Cheng Kung University Graduate School of Environmental Health, school of Dentistry, Institute of Oral Medicine, Department of Engineering Science, and Southern Taiwan University of Science and Technology Department of Mechanical Engineering.

The device of our team was developed by combining the talent and specialty of professions in the fields of air quality, dental materials, and power mechanical engineering. Our team also works closely with the Department of stomatology in National Cheng Kung University Hospital to effectively incorporate first-hand feedback and input of clinical personnel.



### Field

Biomedical equipment  
Precision machinery  
Environmental technology  
Electrical and electronics engineering



### Patent Protection

ELECTRONIC APPARATUS CAPABLE  
OF AIR POLLUTION REDUCTION



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National Cheng Kung University



成功大學國際產學聯盟  
GLORIA NCKU  
GLOBAL RESEARCH & INDUSTRY ALLIANCE



國立成功大學 技轉育成中心  
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# Small-scale dental dust settling device

The small-scale dental dust settling device developed by our team is the first of its kind.



With a portable and light-weight design that can be efficiently applied to dental hand-pieces.

## Contact us



### Founder

Yung-Chung Chen  
Ming-Yeng Lin  
How-Ran Guo  
Sun-Hur Wang



### Contact person

Yi-Ting Hsiao



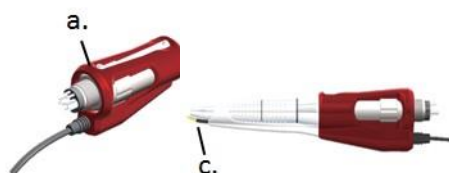
### Tel

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a External component

b Dental low speed hand-piece

c Device conducting tube

## Market Planning

Based on our current product planning, we are scheduled to apply for GMP accreditation and launch mass production in 2021. Our target market would be oral medicine departments in hospitals, dental clinics, and dental technician labs. We aspire to discuss potential cooperation opportunities with dental hand-piece manufacturers and/or air-purifying related businesses.