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處 長 序 文

「創新」、「研發」向來是促進經濟繁榮的基礎，也是中小企業升級發展的重要指標。近年台灣中小企業透過創新研發逐漸走出代工模式，在海內外發光發熱，但2008年發生金融海嘯，全球企業無不遭受波及，直至2009年中才出現復甦曙光。根據國際洛桑管理學院（IMD）所發布的「2010年世界競爭力年報」排名，臺灣之世界競爭力由2009年第23名，躍升為全球第8名，其中台灣企業效能排行由第22名提升至第3名，成績傑出。IMD報告特別指出，臺灣在全球經濟危機後表現亮眼，顯示國內企業面對金融海嘯衝擊，已展現其彈性靈活的應變能力。



「2010年中小企業白皮書」指出，目前我國中小企業占全體企業家數97.91%，銷售值超過9兆元，於整體經濟中扮演舉足輕重的角色，近三年中小企業研發經費平均年成長率達14%，所投入的研發經費比例遠超過大型企業，可見國內123萬家中小企業在面對景氣變化之際，多能體認到維持核心競爭力優勢之重要性，並積極展現加速升級轉型之決心。

政府為鼓勵中小企業投入創新研發工作，自民國82年訂定「中小企業創新研究獎」選拔表揚活動，迄今邁入第17屆，共計3,062家企業提出申請，超過600家企業獲獎，是中小企業創新研究之重要榮譽指標。本屆申請參選標的物共計159件，分為「資訊與電子類」、「機械與自動化類」、「材料與生技類」、「服務類」及「綜合類」等5大類組，經各階段委員專業嚴謹的資格審查、初審、實地訪查、決審等過程，總計有28件標的物(28家企業)獲此殊榮。

本屆獲獎標的物其創新技術與產品實用性各具特色，深獲國內外企業的青睞與肯定，充分展現國內中小企業在各領域創新價值的研發能力。中小企業不論規模、資金、設備等條件均有限，自行研發、創新而有具體成效之企業實屬不易，處於後金融海嘯與兩岸經濟協議(ECFA)生效之際，為厚植產業創新能量，政府將投入更多資源協助中小企業升級轉型，並透過相關創新研發及市場行銷輔導計畫來強化企業經營體質。

最後，再次恭喜今年脫穎而出的28家得獎企業，並感謝評審委員於百忙中撥冗參與，不辭辛勞的投入評審工作，並給予各得獎企業意見。期盼未來中小企業能持續注入創新研發能量，與政府同心協力為台灣締造經濟新局。

經濟部中小企業處 處長

賴杉桂

中華民國99年0月0日

Foreword

Innovation and research development have always been the foundation for economic prosperity and the most important development indicator for small to medium enterprises. With the new business approach - innovation and research development, the small to medium enterprises have slowly migrated away from the OEM business model and have shone once again in the global arena in recent years. However, the financial tsunami that took place in 2008 has plagued all enterprises in the world, though the signs of recovery finally surfaced in mid-2009. According to the 2010 World Competitiveness Yearbook, published by the IMD business school, the world competitiveness rank of Taiwan has jumped to the eighth in 2010 from the 23rd in 2009 and the efficiency rank of enterprises in Taiwan has risen from 22nd to third. This improvement is very impressive. According to the special report by IMD, the performance of SMEs in Taiwan is particularly astonishing, indicating that SMEs in Taiwan were very flexible when handling the impacts of the financial meltdown.

According to 2010 White Paper on Small and Medium Enterprises in Taiwan, 97.91% of enterprises in Taiwan are SMEs. The total sales of them are well over nine trillions, and they play a crucial role in macroeconomics. In the last three years, the aggregated R&D annual budget of SMEs has grown 14% each year, far greater than large enterprises. This shows that most Taiwanese SMEs (total 1.23 million) have recognized the importance of maintaining core competitiveness during times of economic stress and are determined to upgrade and transform their core competitiveness.

To encourage research and development of SMEs, the government set up the Taiwan SMEs Innovation Award in 1993 to recognize research and development achievements. It is the 17th time the event has been held this year and a total of 3,062 SMEs have applied for this award since then. Over 600 SMEs have been selected and this award is an indicator of important research and development of SMEs. A total of 159 products were submitted for the award this year and these were classified into five categories – IT and Electronics, Machinery and Automation, Material and Biotech, Services and General. After strict and professional qualification reviews, screening, field investigations and final reviews conducted by committee members, 28 products (28 companies) have been shortlisted.

In terms of technical innovation and product utility, the winning products are excellent and are approved by domestic as well as international enterprises, illustrating the research and development ability of SMEs to innovate products in all fields. Limited by company size, financial capital and available equipment, SMEs are especially commendable for developing innovative products in-house and for obtaining tangible achievements. To heat up the innovative momentum in the post-financial tsunami and post-ECFA period, the government will funnel in more resources to help SMEs upgrade and transform their research and development capacity and strengthen their operational ability through relevant product and marketing innovation mentoring programs.

Finally, congratulations to the 28 outstanding and award-winning SMEs and thanks to members of the review panel for their selfless devotion, passionate participation and valuable insights provided to winning SMEs. We sincerely hope that SMEs can continue their innovation and development efforts to create a new paradigm together with the government.



Director General
Small and Medium Enterprise
Administration,
Ministry of Economic Affairs, 2010

三久股份有限公司

SUNCUE COMPANY LTD.

簡介

三久SB系列粗糠爐乾燥機 SUNCUE SB Series Rice Husk Furnace Dryer



『三久SB系列粗糠爐乾燥機』是以農村廢棄物—粗糠(稻殼), 取代柴油, 成為穀物乾燥系統的燃料。獨家通過日本、台灣空污排放檢定及性能測試, 是全球唯一成功克服排煙問題, 獨創熱風溫度可控制在 $\pm 1^{\circ}\text{C}$ 的全自動溫乾燥。

其專利的完全燃燒技術, 使一公頃稻穀產生的粗糠, 約可乾燥三公頃的稻穀, 一公噸濕穀產生的粗糠, 約可乾燥三公噸的濕穀, 節能效益達到3倍, 所以能大幅降低乾燥成本, 提高米質, 已成功外銷日本、東南亞、歐洲、中南美洲等國家。

粗糠是生質能源, CO_2 的淨排放量為零。『三久SB系列粗糠爐乾燥機』是全世界各國追求環保、節能、減碳、愛地球的最佳選擇。

評語

- 標的物以負壓間接式熱風乾燥, 並具恆溫乾燥功能, 溫度可精準控制在 $\pm 1^{\circ}\text{C}$ 之範圍內, 獨創的燃燒機熱管設計使粗糠完全燃燒, 使用最少的粗糠量產生最大的熱能, 且不會造成二次污染。
- 整機系統設計如風量自動調整裝置、送風溫度控制、殘料分配、熱交換裝置等已獲得國內外多達30件以上專利, 技術備受肯定。

Introduction

『SUNCUE SB series rice husk furnace dryer』 takes advantage of farm waste – rice husk – to replace diesel as the thermal energy provider for grain dryer. 『SUNCUE SB series rice husk furnace dryer』, the only solution for overcoming smoke problem in the world, has exclusively passed the air pollution for environmental testing and performance testing in Japan and Taiwan. World-leading innovation and constant hot air temperature control technology can control hot air temperature $\pm 1^{\circ}\text{C}$ with full automatic drying. With unique patented complete combustion technology, paddy husk from 1 hectare of farm can dry approximately 3 hectares of wet paddy. Paddy husk from 1 ton of wet paddy can dry approximately 3 tons of wet paddy. The energy efficiency is triple. Drying cost can be reduced significantly and rice quality is improved. 『SUNCUE SB series rice husk furnace dryer』 has been successfully exporting to Japan, South East Asian nations, Europe, Central and South American countries. Rice husk is biomass energy, its CO_2 net emission is zero. 『SUNCUE SB series rice husk furnace dryer』 is the best solution for environmental protection, energy saving, low carbon and earth care.

Commentary

- Incorporating indirect hot air pressure drying technology with constant temperature control, Suncue SB Series Rice Husk Furnace Dryer can keep the temperature constant to be within the $\pm 1^{\circ}\text{C}$ margin. The unique combustion conduct design allows chaffs to combust completely with the least amount of paddy required to yield the max thermal energy possible and avoid second pollution.
- Suncue SB Series Rice Husk Furnace Dryer is also awarded with 30 worldwide patents including computerized wind volume control device, wind temperature control and remain distribution mechanisms and heat exchange device. It is affirmatively recognized and approved by the entire industry.

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友傑自動化機械有限公司

U Gear Automatic Machinery Co., Ltd.

無味道無白化型瞬間接著劑
Low odor, low blooming
cyanoacrylate adhesives



簡介

1. 將傳統產業轉型提昇為高科技產業。
2. 原來服務傳統電線業，建議升級光纖業將產值提高。
3. 將原本人工操作提升自動控制系統，排線整齊美觀。
4. 本標的通過三項專利
 - (一) 繞線機之改良（新型第M343671號）
 - (二) 用於繞線機之退線夾爪裝置（新型第M 343672）
 - (三) 用於繞線機之張力控制裝置（新型第M 343897）
5. 結合四位機械博士理論基礎和本公司24年來實務經驗，並通過產學合作案。目前正在進行網路行銷至世界各地。客戶反應也很好，部分客戶訂購中。

評語

- 標的物以微電腦自動控制，具有繞線啟動後護盤自動合上之安全設計。
- 改良電線電纜之繞線機導線滾輪、夾持與繞線結構，並運用創新之張力控制裝置，成為具市場競爭力之光纖自動繞線機置。

Introduction

1. Upgrading traditional industries into high-tech industries.
2. The subject was catered to traditional wire and cable industry initially. Proposed to upgrade to fiber optics industry, thus increasing the output value.
3. Upgrading the original manual operation into automatic control system with neat and tidy arrangement of fiber optics.
4. The Subject has been awarded with three following patents:
 - (A) The improvement of Coiling Machine (Patent No. M343671)
 - (B) The Fiber Optics Removal Device, applied on the Coiling Machine (Patent No. M 343672)
 - (C) The Tension Control Device, applied on the Coiling Machine (Patent No. M 343897)
5. Integrated the theory backing from four Mechanical Drs. and 24 years of practical experience, and being approved of the Industry-Academy Cooperation Project. Currently promoting the subject to the world through internet marketing. Customer feedback has been positive, with some customers already placing orders.

Commentary

- Ultra Precise Fiber Optics Automatic Coiling Machine features automatic micro-computer control and safety mechanism that automatically closes the shield after coiling starts.
- The design improved the leading wire roller and clamping and coiling mechanisms from ordinary cable coilers and adopts the tension control device. Ultra Precise Fiber Optics Automatic Coiling Machine is the most popular fiber optics automatic coiling machine in the market.

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甲尚股份有限公司

Reallusion Inc.

簡介

打造個人化 3D 立體電影 iClone version 4



iClone 是一個全方位的3D電影的製作工具，它讓動畫製作變得更容易！其囊括了視訊特效、路徑、高動態範圍 (HDR) 及快速拖放物件等全新功能，並將視訊與3D即時動畫結合，將原先的3D製片場概念提升成為「3D 虛擬攝影棚」，讓整體畫質表現上更為提升。並提供快速方便的製程，可以產生大量真實與虛擬的素材，使用者無需花費太多時間學習創作角色、場景或編輯動畫。只需要專注在「如何說故事」，讓每個人能自編自導，在如同遊戲的操作過程中學習拍片，融合大量高質感的虛擬場景、真實影像、3D人物、智慧互動輔助器等，創造出如幻似真的3D動畫電影。

評語

- 標的物為創作工具，使用者不需花費大量的人力在角色創作、場景等製作上，而只需專注在「如何說故事」，即可產生如真似幻的3D動畫電影。
- 原本需大量人力才能產生的高品質動畫，在本標的工具下，可以將真人影像、真實世界的場景套用在3D的動畫上，產生如真似幻的效果，與國際上類似產品相比，本標的更優異、功能更多。

Introduction

Real-time animation evolves with 3D Video FX, motion paths, HDR and rapid drag & drop creation inside iClone4. iClone4 introduces new features that combine video production with 3D real-time animation. The result is a powerful production tool for motion graphics, 3D animation and video compositing. Explore the speed and time-saving productivity of visual computing with 3D real-time animation. iClone is a fully-featured 3D animation studio, which has introduced students, professionals and independent filmmakers worldwide to the real-time art of 3D animation, digital storytelling and digital content creation.

Commentary

- iClone v4 is a 3D animation movie creation tool. Users do not need to spend much time or effort on character and scene creation. They can focus instead on storytelling to create a life-like 3D animation movie.
- With iClone v4, movies that would require enormous production resources otherwise can be enhanced with live images and real world scenes to generate life-like effects. Compared to similar products worldwide, iClone v4 offers better performance and superior functionality.

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全景軟體股份有限公司

Changing Information Technology Inc

簡介

GuardKey 保密碟



- GuardKey 是一支可以將電腦內機密資料加密上鎖的USB載具
- 適合所有個人使用者想要保護的電腦檔案。
- 只需要插拔GuardKey 保密碟即可達到檔案保密的功能。
- 使用方式：
- 開機自動保護，使用者設定的保護資料夾隱藏並加密
- 插入GuardKey 保密碟，自動解鎖，資料夾顯示
- 使用者正常操作及編輯檔案，所有過程自動加解密
- 拔出GuardKey 保密碟，自動上鎖，重新進入保護狀態

評語

- 申請標的為一USB 保密碟，對於電腦內部儲存硬碟提供多樣保密功能如資料夾隱藏及資料自動加密的保護、具有透明加解密的功能。
- 支援外接式儲存裝置加密及5台電腦加密等獨特功能，操作簡單，且安裝使用便利。

Introduction

- GuardKey is a USB token like a key to lock your computer
- For everyone who want to protect their computer data
- To protect your data only need two actions: plug and unplug
- Usage:
- Auto lock when power on. The protected folders will invisible and encrypted.
- Auto unlock when GuardKey plugged. The folders appear.
- Transparent encryption when user operates or edits the files in the protected folders.
- Instantly lock again when GuardKey unplugged.

Commentary

- Guardkey is a USB token that offers diverse encryption features, such as folder hiding, automatic encryption protection and transparent encryption and decryption.
- Supports unique features, such as encryption for external storage devices and five additional computers. It is easy to use and can be installed conveniently.

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見發先進科技股份有限公司

Kentfa Advanced Technology Co.,Ltd.

簡介

16吋易聯車 電動摺疊腳踏車 16 EASY LINK FOLDING E-BIKE



16吋 易聯車摺疊電單車的特點

1. 展開或摺收僅需1秒鐘
2. 體積輕巧，摺疊後只有73公分長度
3. 摺疊後還可輕鬆推動行走，隨身收藏不怕遺失
4. 容易維護

評語

- 標的物為X-type縱向摺疊機構，能快速輕鬆地完成摺疊，讓使用者可以推著行走，也可以收納於轎車行李箱內，且針對不同的地區需求列有不同的機種開發計畫。
- 目前外銷至美、德、荷、巴西、西班牙、新加坡等多個國家，擁有量產銷售實績。

Introduction

16 EASY LINK FOLDING E-BIKE Features

1. Fold or unfold within 1 second.
2. Compact size -- only 73cm in length after fold- up.
3. Removable and portable after fold-up; free from thievery.
4. Easy maintenance

Commentary

KENTFA ADVANCED TECHNOLOGY CO., LTD. - 16 Easy Link Folding E-Bike

- The 16 Easy Link Folding E-Bike features an X-type longitudinal folding mechanism and can be folded effortlessly and rapidly. Users can just push it or put it in the trunk of a car. For different regions, Kentfa Advanced Technology also prepares different product development plans.
- This product is mostly sold in the USA, Germany, Netherlands, Brazil, Spain and Singapore and the sales performance is brilliant.

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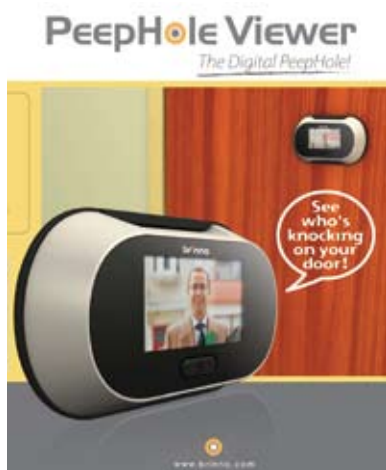
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邑錡股份有限公司

brinno Incorporated

簡介

數位電子貓眼 PeepHole Viewer



為何要裝設數位電子貓眼

大門是一個家的前哨站，攸關居家安全，要看的清楚誰在門外才安全！

傳統貓眼

- 訪客敲門時只能口頭上詢問對方是誰
 - 這樣的詢問只有在聽得對方的聲音時才有用
- 如有安裝貓眼則可以稍微看到敲門的人，但是：
 - 影像很不清楚
 - 如果光線不足會看得更不清楚
 - 屋主必須靠近貓眼很近才看的到外面，並且會遮住貓眼的光線，外面的人便會察覺屋內有人
 - 尤其是最常在家的人群：老人跟小孩；貓眼的位置對小孩來說太高
 - 老人家視力不好更難清楚的透過貓眼看到門外的人

數位電子貓眼

- 數位電子貓眼不只可取代傳統貓眼的功能，並且還有更多的優勢
 - 單一按鍵操作簡易，輕鬆按下開關鍵就可顯示影像
 - 2.5吋LCD大屏幕顯示，任何身高的人都可看的到
 - 可改善光線不足時的模糊影像
 - 可有效的矯正魚眼變形的影像
 - 辨識度高且清晰的特寫鏡頭
 - 小孩子也可輕鬆伸手機及操作
 - 老年人可以看得更清楚

數位電子貓眼是甚麼

使用LCD大屏幕畫面的PeepHole Viewer可清楚的顯示站在門外的人，讓你不再擔心開門那一剎那會有危險或是意外。精美設計的外型適用於任何門型，簡易DIY裝置不需任何工具，價格實惠可負擔的起的居家安全配備。

評語

- 申請標的為一數位式電子貓眼，有效改善傳統貓眼清晰度不足且不易觀看等缺點，具取代傳統貓眼之潛力。
- 實用性佳，組裝容易，操作亦十分方便，有利產品普及，已有良好的銷售實績。

I ntroduction

Why the Digital PeepHole Viewer?

The most basic home security is the front door. This is the primary entry point in the home, and the method to identify who is there has not changed in many years.

Traditional Peep Hole

- Ask who is there and wait for a verbal response
 - This is only useful if you know the person and recognize the voice
- The optical peephole has been around for over 40 years and was the best option to see who is at the door....however
 - The image quality is poor
 - In low light the image may not be easy to identify
 - The user must place an eye to the door thus darkening the peephole and signaling he is home
 - It is too high for children to see through
 - Older people have difficulty seeing through a small peep hole

The Digital PeepHole Viewer

- The PeepHole Viewer is the digital equivalent of the optical peephole with some major benefits
 - Simple push button activation to see large image without darkening the peephole
 - Clear image in LCD Panel on door, easy to see for people of any height
 - Compensation for low light images
 - Compensation for "fish eye" distortion
 - Zoomed live picture for easy identification
 - Easy for children to use and see the LCD
 - Easy for older people to see clearly who is at the door

What is the PeepHole Viewer?

The PeepHole Viewer uses an LCD Panel to display who is at your door. It turns a hard to see PeepHole image into a big bright image.

C ommentary

- PeepHole Viewer is a digital peep hole that improves traditional peep holes in terms of clarity and usage. It is a potential replacement for traditional peep holes.
- Practical and easy to install and use. These characters are instrumental in increasing its market share and it has seen astonishing sales performance.

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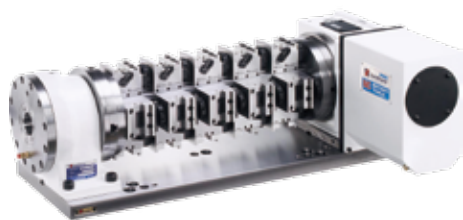
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協威機械工業股份有限公司

Safeway Machinery Industry Corporation

簡介

彈性化並列式虎鉗系列 FLEXIBLE YES VISE



1. 創新化：主要針對微小、薄物零件做精密夾持之量產彈性模組化夾具，大幅改善微小、薄物零件精密夾持之困難度，為工業界之精密利器。
2. 應用彈性化：提供多種尺寸的滑座組及本台長度作搭配，再將款式分為垂直式、平行式二款；口金也有數款型式可選擇。供客戶自我評估加工情況來購買適合的型號。
3. 高精度：此產品的最大特點。由於任何虎鉗在夾持工件時，必定會產生分力，導致工件上浮。產品設計則利用作用力與反作用力，將施力點位置更改及搭配相關設計，大大降低工件上浮量，使精度可達到0.005mm以內。
4. 壽命長：本產品有防屑裝置，可保護主螺桿，便利清除鐵屑，增加使用壽命。
5. 操作人性化：創新利用手輪帶動螺桿及兩虎口方式來鎖緊工件，打破原需要利用螺絲推兩斜塊鎖緊方式，不僅增加夾持、拆卸工件的快速性，更可輕鬆夾持超薄工件。薄、小零件不需另使用兩平行墊塊撐高，僅利用本身兩虎口的口金階梯厚度來夾持即可，立即達到工件夾持更穩固的需求。
6. 新穎設計：獨創本台與虎鉗尾槽設計，使得並列精密小虎鉗可於本台軌道輕鬆移動座標至歸零、不受市面設計利用齒式座標誤差無法移動至歸零限制。
7. 加工效率高：新穎的小虎鉗與本台為垂直方向設計-節省空間，突破現行的平行方向使用方式。以相同的本台長度比較，前者(垂直方向)可比後者(平行方向)擺放較多的小虎鉗，使工件夾持量多達10%~50%，大大提升加工效率。

評語

- 標的物由數排數個小虎鉗組成，可並列及彈性調整，適合夾持1~50mm厚度之工件，較薄工件以軟爪方式配合，故能有多樣變化，擁有壽命長、精度佳、操作方便之優點。
- 小虎鉗移動軌道設計成鳩尾槽，移動方便且能穩定定位，結合上述優點，本標的物深具市場潛力。

Introduction

1. Creativity: excellence for mini components and improves the workpiece capacity greatly.
2. Flexibility: provide a variety of YES VISE including different types. There are 2 types for that normally, vertical and horizontal. Also, we could offer different types of jaw plates for customers choose.
3. High Precision: the advantage of this design is that the precision could be controlled within 0.005 mm so that the workpieces can't be lifted up easily comparing to the prior design.
4. Long Lifetime: avoiding the chips to drop down for main screw. Easy to clean the chips of iron to increase the lifetime greatly.
5. Humanity Operation Interface : Using the wheel handle to drive the main screw and 2 jaw plates to lock the workpieces properly. It could be efficiency for disassembling and easy to clamp. For the mini components , that would be unnecessary to use the vise locked block to increase the height. Users just be accordance with the step jaws thickness to clamp even make that stability. For the original design, the screws be pushed by 2 vise locked block only.
6. Unique Design: dovetail design, easy to adjust the accuracy of each coordinate.
7. High Efficiency: the original design were horizontal , but for this new development is for vertical. Under this conditions, the new development could be installed more vises then the production capacity could be increased around 10%~ 50%.

Commentary

Safeway Machinery Industry Corporation – MV FLEXIBLE YES VISE

- MV FLEXIBLE YES VISE consists of multiple rows of small vises and can be flexibly arranged to hold workpieces that are 1~50mm in thickness. For thin workpieces, users can switch to soft claws for diversified combination. MV FLEXIBLE YES VISE has long product life, is highly precise and very easy to use.
- The tracks adopt a dovetail trough design for easy movement and can be secured firmly. With all those advantages, this product is full of market potentials.

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和和機械股份有限公司

SOCO Machinery Co.,Ltd

簡介

SA-78NCE 超高速高張力 鋼管專用圓鋸機 SA-78NCE High Tensile Steel Tube Sawing Machine



- SA-78NCE是台灣第一台超高速高張力鋼管鋸切連線設備。高張力鋼管主要應用在汽車產業的車體架構。
- 整合管件鋸切、管端倒角(鋼刷除屑)、管件清洗、長度量測及工件堆疊等5合1複合功能。
- 5合1複合功能，降低了客戶75%的上下料時間及工時成本，提升獲利及縮減了30%廠房面積。
- 平均4.5秒可鋸切1支高張力鋼管件，增加產出，創造更高利潤。
- 2軸電機伺服控制，縮小公差，提升精度。
- 6項專利技術，引領產業技術升級。
- 獨特的台日鋸片開發技術，提昇8倍鋸片壽命。
- 智慧型i2操作介面 (intelligent interface)，圖形化介面易學易懂。
- 榮獲「2010 台灣精品獎」。

評語

和和機械股份有限公司- SA-78NCE 超高速高張力鋼管專用圓鋸機

- 標的物為整合碳化鎢及高速鋼鋸片兩用的創新設計，有別於傳統只能擇一配備鋸片，其主要應用於汽車產業。
- 功能已模組化，可依不同需求做彈性組合，研發團隊亦具客製化因應能力，鋸切技術專用之資料庫亦獨立開發完成，便利客戶使用。
- 整機系統設計具多項專利如快速倒角、去除毛邊之刀座鎖固結構，可與具有自動進料、翻料裝置的管棒除毛邊機，整合成一自動化連線設備。

Introduction

The new SOCO SA-78NCE brings you the latest technology in High Tensile Steel Tube Sawing. Its unique design and cutting system brings the highest saw blade life in such applications, as well as unparalleled performance and speed.

Machine Features:

- Especially suitable for Cutting Automotive parts such as Impact Beams, Chassis and Cross Bar tubing
- High Tensile Tube Cutting (up to 120 kg/cm²)
- May be equipped with 2 different Saw Blades (TCT and HSS Saw Blades)
- High Speed Sawing: the average sawing cycle times can be up to 4.5 seconds for most sizes.
- Electric Servo Controlled Feeding and Cutting
- i2(Intelligent Interface)control system. Touch Screen Graphical Controls with Automatic Recommendation of Cutting Parameters. 3 ~ 5 minutes setup time between most tube sizes
- May connected to SOCO' s Deburring (BDB-70) / Chamfering (DEF-FA/76-V) , Washing + Air Blowing (TWD-3000), Length Measuring (LM-3000) and Stacking (STK-3000)
- 2010 Taiwan Excellence Award

Commentary

Soco Machinery Co.,Ltd - SA-78NCE High Tensile Steel Tube Sawing Machine

- Unlike conventional models that can only use one particular kind of blade, SA-78NCE is a revolutionary design that can use both Tungsten Carbide and high tensile sawing blades. SA-78NCE is mostly used in the automobile industry.
- All features are modularized and can be flexibly combined to meet different requirements, and the RD team is specialized in product customization. The sewing technology database is 100% developed in house and is made available for customers to consult with.
- The whole system design has been awarded with many patents such as quick chamfer and locking knife structure for eliminating deckle edges. The base system can be integrated with tube edge cleaner for auto feeding to streamline the entire processes.

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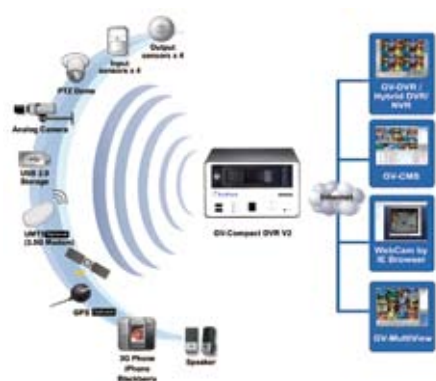
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奇偶科技股份有限公司

GeoVision Inc.

簡介

單機型數位影像監控系統 GV-Compact DVR V2



奇偶「單機型數位監控系統Compact DVR V2」為移動式Linux單機監控系統，不需電腦安裝，附遙控器操作簡便，能顯示4路Mpeg-4即時影像，最高支援720x480解析度及每秒120張錄影速率，為特別針對小型監控市場的設計。

本產品除提供標準型做為定點監控外，亦針對車用監控環境設計抗震耐衝擊的車用型系統，可支援GPS追蹤、GIS地圖監看、3G手機連線、中央監控、門禁系統，有16國語言版本，是一款功能性豐富，程式整合度強，系統架構穩定，附加價值高的數位監控系統，是交通運輸業主及保全業者的好幫手。

評語

- 標的擁有GPS地理追蹤功能，可配合數位監控影像並可用3G手機、瀏覽器上網或回傳中控室監看影像，例如可透過Google地圖觀看車輛所在位置。
- 影像可儲存在硬碟抽取盒上，且一次可儲存4路影音及防震等功能，已有全球銷售實績，深具市場潛力。

Introduction

The GeoVision GV-Compact DVR V2 is a mobile Linux-base video recorder that can display real-time Mpeg4 images from four cameras simultaneously. The recording frame rate of each video channel is adjustable to 30/25 fps at 720 x 480 (NTSC) resolutions. This product needs no PC installations and provides easy operation with GV-IR Remote Control. The GV-Compact DVR V2 has standard model for fixed surveillance and anti-vibration model for mobile surveillance. The anti-vibration model of the GV-Compact DVR has already been tested to withstand severe levels of shock and vibration in mobile environments. It is perfect to be installed in any vehicles, such as buses and vans, for surveillance and recording. This product supports GPS tracking, GV-GIS geographic information system, 3G mobile phone surveillance, and GV-Central Monitoring Systems. It has 16 language versions on web interface and 10 languages on OSD. The special design of the GV-Compact DVR enables you to link up with TV, VGA and spot monitors simultaneously for direct display. This product offers many features that you can expect to have.

Commentary

- GV-Compact DVR V2 features GPS geographic tracking capacity and can be integrated with a digital surveillance system or control center to view or play back images with a browser on 3G handsets or a PC. It can also show vehicle locations on Google Maps.
- The recorded images and video footage can be stored on an HDD installed using a removable HDD rack. It can store up to four camera channels simultaneously and has an anti-vibration model. The sales performance worldwide is brilliant, and it has great market potential.

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宜得世股份有限公司

Edex Technology Co., Ltd.

簡介

Atom100-SP20 精密柱塞式微射出機

Atom100-SP20 precision plunger type micro injection molding machine



評語

宜得世Atom100-SP20精密柱塞式微射出機，擁有世界首創發明專利IPIS-可更換式柱塞注塑系統，可依不同注塑產品的性能需求，更換不同注塑柱塞模組，讓微注塑更容易、更精準、更全方位。精簡有力的兩板直壓式四缸鎖模機構，高精密設計絕不退壓，具自適性、免調模、最準低壓、開模行程長、無污染、壽命長等優點。搭載油電伺服動力，節能又環保，更顯耐用價值的「三年保固」服務，更是您注塑事業的最佳伙伴。

- 標的物運用創新複合油缸設計之鎖模結構，除符合人體工學外並兼具美觀及安全設計。減少機台長度，並搭配線性滑軌，使滑動順暢增加機器耐用度。
- 整機設計含射出螺桿之連結結構、鎖模裝置、射出螺桿等專利技術，市場潛力大。

Introduction

New design patent-IPIS (Interchangeable Plunger Injection System), adapts to different requirements of injection performance by changing injection unites to make micro injection easier, more precise and reach full-function. The simplest design of 2-platen 4-cylinder direct clamping system that has high accuracy, self-adaptation, no need to adjust mold, the most accurate low pressure, large mold opening stroke, non-polluting and long machine life. Atom series adapts with servo motor electric hybrid system for energy-saving and more environmental. The whole series machines have three years guarantee and would surly be the best partner of your injection career.

Commentary

- Atom100-SP20 adopts the creative clamping structure commonly found in a composite cylinder design. It not only meets ergonomic requirements, but also looks very stylish and is very safe. With a reduced machine length and linear guideway, Atom100-SP20 can move even more smoothly to enhance product durability.
- The entire set includes link structure for injecting screws and a clamping device. The screw injection technology is patent-protected and has great market potentials.

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哈瑪星科技股份有限公司

Hamastar Technology Co., Ltd.

簡介

程序模擬學習暨成效評估系統 SimMAGIC Reporter



程序模擬學習暨成效評估系統(SimMAGIC Reporter)，是一套能解決程序操作模擬訓練需求，提供分析操作訓練成效的新應用平台，使用者於平台上以互動式程序模擬教材進行學習，並透過評估功能得知在過程中，操作錯誤的步驟及比率分析，瞭解自身學習瓶頸。而企業管理者可依據平台提供之訓練成果分析資訊，針對使用者最常發生錯誤步驟，規劃流程或介面改善方式，也可透過統計分析結果進行人力資源管理。不僅可提升使用者之學習成效，管理者更可確切掌握訓練進度與成效，進而減低傳統教育訓練所需龐大的人事及耗材費用。

評語

- 申請標的為一通用型之程序模擬學習暨成效評估平台，具有多項優點如百分之百模擬實機操作、可提供異常狀況排除模擬，製作速度快且成本低、可完整蒐集學習者之學習過程，包括每一個錯誤點或障礙點，並掌握學習成效，為其獨創之處。
- 適合使用貴重複雜之機台操作來生產或測試的人員訓練(如CNC、封裝測試等)，或員工流動性高的服務從業人員訓練。

Introduction

SimMAGIC Reporter is a creative software package providing new application platform for solving process simulation requirements. Users can learn via the platform using interactive simulation teaching materials. Moreover, users can be aware of their problems or bottlenecks in learning through the analysis of processing mistakes based on the software's evaluation programme. Base on the learning results provided by the platform, companies can plan and set up an agenda or a method towards interface improvements in response to users' most-frequent mistakes; meanwhile, companies can also manage human resources according to the results from statistical analyses. SimMAGIC Reporter not only elevates users' learning results, but also allows managers monitor the training progress and outcomes accurately. Accordingly, it helps to reduce the huge costs of traditional training in both human and financial resources.

Commentary

- SimMAGIC Reporter is a standard platform designed to facilitate SOP training and evaluate training effectiveness. It distinctively features 100% machine operation simulations, simulations of abnormal troubleshooting scenarios, rapid setup speed and low costs and complete trainee progress tracking (including frequent mistakes and difficult parts).
- Suitable for trainings of expensive machines (i.e. CNC, packaging test) or for service industries with a high employee turnover rate.

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有達興業股份有限公司

Extreme Energy Enterprise Co., Ltd

超高導熱-石墨電路基板 High thermal performance of Graphite PCB



簡介

1. 石墨在學理上是據有很高的傳熱特性的物質，但是因為其本身的SP2結構與天然石墨本身具有太多的孔洞。目前最佳的熱傳係數在X-Y平面有200~400 W/mK，在Z軸上卻只有5 W/mK。我們利用不同的方法製造了等方向性的高傳導的石墨材料
2. 不只如此，我們更開發了石墨基板，可以運用在LED和太陽能等相關產業做為具有高熱傳導力的PCB產品。能夠很快的把熱導出去。

評語

- 有達興業應用石墨之異方向高導熱特性，創新發明配方使其具等方向之傳導效果，結合絕緣膠和銅箔製作高導熱之石墨基板，應用於LED和太陽能板之散熱，具有優異效果，且已通過RoHS，並已申請UL94V0(最高等級的防火材料)。
- 同式樣之燈殼(相同之散熱面積)，以鋁基板者，LED只能在10W以下，而以石墨基板則可至15W，已與合作廠商開發LED檯燈並上市，未來效益可期。

I ntroduction

1. Graphite is a very good thermal conductor with theory thermal conductivity, But the structure of graphite is SP2 crystal and with lots of vacancy in nature graphite. The best thermal conductivity for nature graphite is about 200~400 W/mK on X-Y direction and 5 W/mK on Z direction. We use different methods to create high thermal conductivity of graphite in all directions.
2. More than that, we create the Graphite PCB that can be used on LED, Solar and other industrial business as high thermal performance PCB to dissipate the heat.

C ommentary

- Extreme Energy Enterprise Co., Ltd. utilizes unique Graphite characters of high thermal conductivity properties - different x-y directions to innovatively reformulate the composition and enable thermal conductivity with the same directions. By integrating insulating adhesive and copper foil, the unique Graphite is highly thermal conductive and can be used with a LED and solar board for heat dissipation with exceptional performance. This product has passed RoHS and the company has filed for UL94V0 application (for the most flame-retardant material).
- Aluminum-based lamp housings of the same types (same heat dissipating size) can only be used under 10W, but the Graphite PCB can reach as high as 15W. Extreme Energy Enterprise Co., Ltd. is now working with partners to manufacture and distribute table lamps. Future benefits can be expected.

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基能科技有限公司

Geonerve Technology Co., Ltd.

簡介

時域反射式懸浮固體濃度量測儀 Time Domain Reflectometry Suspended Sediment Concentration Meter



SSC-100懸浮固體濃度量測儀利用時域反射（TDR）電磁原理，突破現有光學及超音波濁度計之性能限制，毋須進行濁度/濃度率定換算，避免率定過程中所產生之換算誤差；為目前全世界唯一可直接量測懸浮固體濃度之先進技術。

SSC-100經長時間現地驗證，證實可在大範圍變動之濃度及懸浮質組成環境下進行準確量測，且兼具多點擴充，量程涵蓋範圍廣等性能優勢；由於搭配之量測探棒不含任何電子元件，環境耐受性強，因此可適用於任何水文狀況，應用範圍廣，非常適合進行水庫及河川水文監測，提供即時、直接之數據，協助各單位有效管理水資源，作為水庫蓄清排渾、長期營運管理及水力發電廠運轉作業之依據。

評語

- 申請標的創新為將電磁波的時域反射量測技術，應用於水中懸浮固體濃度之偵測上，在第一線偵測點不必有訊號發射器及接收器，只要將傳輸線伸到偵測點即可，因此系統的偵測可靠度相當高，適合水資源的遠端偵測，嘉惠民生。
- 申請標的已經實際應用於國內數個場合，證明其優點，並有專利的佈局，前景可期。

Introduction

After a number of long-term in-situ verifications, SSC-100 has been proven that it works under varied sediment types with great measurement accuracy, especially in dramatic SSC variation situations; moreover, it provides multiplexing and wide measurement range. No electronic component is included in the SSC-100 probe, and the probe has great weather resistance so it can be applied to every kind of hydrologic conditions, very suitable for reservoir and river SSC monitoring. Benefited with the real-time and first-hand monitoring data from SSC-100, authorities can extend the life span of a reservoir with appropriate operations during rainfall events, or manage the generation of hydroelectric power.

Commentary

- TDR-SSCM features innovative time domain reflectometry measurement technology based on electromagnetic waves and can be applied to detect the concentration levels of suspended solids in water. Users do not need a transmitter or receiver to detect the first detection point and can instead use only the probe for detection. With a high level of detection reliability, TDR-SSCM is perfect for remote examination of water resources and brings great benefits to our lives.
- TDR-SSCM is already used in several domestic situations to showcases its competitive advantages. With the plan of patents applications, the growth of market is foreseeable.

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富鈞開發工程股份有限公司

EcoTech Solutions Engineering, Co., Ltd

簡介

雲端監控服務 Cloud Monitoring Service



雲端監控服務是一個網際遠端監控基礎平台，協助將各種感測及驅動訊號帶上雲端，接受瀏覽器的監看及操控，每一訊號點可以設定定時控制，有狀況時簡訊通知及遙控。另有客製化控制元件，可在平台上加入各行業的專業智慧，目前客製化元件有污水水位控制及揚水水位控制元件，已應用於大台北地區集合住宅、廠辦大樓、學校機關及醫院等的污水處理系統監控服務。本監控服務整合監控軟體及控制器伺服器硬體，可附加在舊系統上，提供遠端監控功能，並強化原有系統的控制能力，可視為一個完整的監控產品，也可當成公司的經營工具，提供各行業監控服務，形成新的經營模式。

評語

- 以網際監控方式結合污水處理系統，提供遠端控制的服務。處理系統與控制端間，可用資訊網路或通信網路來連結，反應現場的實際訊息。企業自行開發控制系統軟體及相關硬體組合，擁有完全的智財權。
- 針對客戶需求，整合發展相關的解決方案作客製化服務，已獲客戶一定程度的肯定。
- 建議可增加偵錯及自動修正功能，並進一步提供決策用相關資訊，也可推動至其他物質的控管，以增加其加值性。未來可結合物業管理廠商，推動應用的普遍化。

I ntroduction

Cloud monitoring service is a web-based remote monitoring platform which helps bring a variety of signal to the clouds and let users monitor and control them through a browser. Each signal can be setup time rules for control. When certain situation occurs, users get SMS notification and can activate control by SMS message. Customized software packages can be added to enforce professional knowledge. Currently, waste water level control and pumping water level control are applied to provide wastewater treatment system monitoring service for housing, factories, buildings, schools, hospitals in Taipei area.

The monitoring system, including software and hardware, can be attached to an old system to provide remote monitoring capabilities, and strengthen its control capability. The monitoring system itself can be regarded as a monitoring product or used as a business tool to provide monitoring service.

C ommentary

- By applying remote monitoring technologies to the wastewater treatment system, this product can offer remote control services. The wastewater treatment system and the remote control site can be connected using IT networks or telecommunication infrastructures to display real-time information. The entire application and relevant hardware components are developed in-house and EcoTech Solutions Engineering retains complete ownership on intellectual property.
- EcoTech Solutions Engineering can offer complete customized solutions for different customer requirements and their ability is well-recognized by customers.
- It is recommended to add error detection and automatic correction function and provide DSS-related information or extend applications to the material monitoring areas to increase its value added. In the future, it can integrate with products from developers in the logistics industry to cover a wider range of applications.

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景發鋁業有限公司

JING FA Aluminum Co. Ltd.

簡介

無中柱直軸百葉窗 No-Beam Straight Axis Shutters



一般百葉窗都使用鉸鏈組當作活動軸鈕，整體性缺少美感，而長時間使用會因生鏽而衍生出氣密、防水、耐用與安全等問題；基於此，利用直軸式設計改善後鈕(活頁)設計的缺失，讓產品更符合顧客的需要。本產品具有以下優點：

1. 百葉窗模組載重量可提高，不易因負荷而變形，提高操作便利性；
2. 安、拆裝方便與省時，降低安裝時間成本；
3. 不易變形可提高耐用性、氣密、防水、美觀等特性；
4. 上下連動栓附鎖的設計易開關，提高安全性；
5. 可定位調整開窗角度，提高安全性與便利性；
6. 百葉窗可單開、雙開等功能，視野更寬廣。

評語

- 標的物採直軸式設計與旋轉裝置，替代傳統須以中栓支撐之特性，其旋轉裝置能承受推窗重量，較傳統四連桿式增加1.6倍。
- 定位裝置可使開窗及確保窗戶之安全性；防鎖設計更另具防水、防風、氣密、美觀及耐用特性。
- 標的物在旋轉、支撐與閉合等機構性能之創新與改良，取得多項專利並獲知名建案採用，強化標的物之整體功能及口碑。

Introduction

Common shutters usually use hinges as movable spindle button, but it will lack of aesthetic feeling in totality, using hinges with a long time will bring many problems like airtight、watertight、durability and safety caused by getting rusty：Due to it, using straight axis design can improve the spindle button design deletion, and make the product much more conform to customer's needs. Our product has following advantages：

1. The shutters module's carrying capacity could increase, and it will not out of shape with load, so it could increase operating convenience.
2. It's easy and time-saving to install or uninstall, so it can decrease timing cost.
3. It can increase robustness、airtight、watertight and aesthetic feeling with difficult to be out of shape.
4. The up and down locking design is easy to switch, and it can increase safety.
5. The windowing angle could adjust with location, so it could increase safety and convenience.
6. The shutters could open by one-side or both-side, so it will make our visions become broader.

Commentary

- This product adopts a straight shaft design and rotational devices to replace traditional shutters that require beam supports. The rotational device is tough enough to withstand the weight of a window. The supported window weight limit of this product is 1.6 times heavier than the traditional four-bar style.
- The positioning device can make window opening a lot easier for users and ensures that the window is closed firmly; the antilock design is water-resistant, wind-proof, airtight, stylish and very durable.
- In terms of rotation, support and close mechanisms, this product adopts innovative and improved designs. This product has been awarded many patents and has been used in known construction projects, where it helped to enhance overall product functionality and customer preferences.

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紫皇國際股份有限公司

Prajna International Co.,Ltd.

簡介

中小企業創新資訊服務商業模式 Small Medium Enterprise innovation and information services business model



隨著網際網路日漸趨使，電子商務已成為現今不可或缺模式之一，本公司建立有別於一般資訊服務公司不同之商業模式，透過將資訊系統與人力資源兩者彼此充分結合，將知識經濟與知識管理的無形價值（例如：創新、知識）轉化為有形價值（利潤、成本），且朝向現有知識產業三大方向（分別是資訊科技發展、傳統產業知識化與知識產業化）發展的一種商業型態經營模式。

評語

- 專為中小企業用的資訊服務商業模式，經營店家會員社群，提供店家對其焦點客戶的營銷活動，也提供消費群的網路資訊搜尋。
- 從部落格與網頁的設計，以不同功能組合切合商家的需求，並配合e化輔導員及顧問，提供開拓客戶與即時性客製化服務的機制，提昇各商家特性的專業服務，600多家企業參與創新資訊服務商業模式，已見市場經濟規模。

I ntroduction

As the Internet increasingly becoming so pervaded, the e-commerce has become an indispensable mode for the current society. Compare to other firms, our company constructs a different type of business model by combining and fully integrating the two information system and human resources information systems sufficiently. Furthermore, by using these two types of systems, users can transform their invisible values such as Knowledge Economy & Knowledge Management(i.e. innovation and data) into tangible value(i.e. profit and reduce transaction cost). On the other hand, the two systems direct the current knowledge industries toward to three new dimensions (namely, information technology, traditional industry and knowledge industrialized). Therefore, it will help the company to develop a new commercial business model in the near future.

C ommentary

- The business model is designed for SMEs to engage in interactions in the member community, develop focused customer marketing campaigns and facilitate the information search effort of consumers.
- For blog and website designs, customers can choose different feature combinations and be coached by e-counselors and consultants for market development and real-time customization services to promote specialized professional services based on the nature of the business. So far over 600 enterprises have adopted this innovative business model that contributes to the economies of scale in the market.

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微邦科技股份有限公司

MicroBase Technology Corp.

可攜式霧化機

Portable Micro Sprayer



簡介

可攜式霧化機，是微邦科技最新的系統化整合性產品。運用微機電技術所製成之金屬微孔霧化片結合陶瓷壓電元件所構成的霧化模組，與自行研發的壓電式微型幫浦所共同組成的一套系統，為市場上第一部藉由主動式供水的霧化裝置。使用3顆AA電池或USB電源即可運作，耗電功率低於2瓦，耗能水準僅為市面上沉水式霧化機十分之一，並能在每立方公分容積內產生超過一百萬個負離子，兼具節能環保與健康的功能。目前可攜式霧化機能做為加濕和香氛使用，而未來微邦科技將繼續朝居家、車用和給藥市場投入更多發展。

評語

- 標的物主要特色為以低電壓驅動，外出攜帶方便，產生的微粒子細密均勻，冷霧不會破壞液體本身特性，可應用於水或其他液體之霧化，其應用領域廣闊。
- 上市販售即有不錯的銷售成績，未來加濕市場需求大，市場潛力無窮。

Introduction

Portable Micro Sprayer is the latest integrated product made by MicroBase Technology Corp. We use LIGA technology to form a metal nebulizing plate which bonded a piezoelectric component and combine a piezoelectric micro pump to develop a new nebulizing system. Portable Micro Sprayer is the first product which can stably deliver liquids to nebulize automatically in the market. It just needs 3 AA batteries or 5V USB power source to nebulize liquids and consumes less than 2 watts. The energy consumption is only 1/10 to compare with the conventional machines. It also could perform over 1,000,000 negative ions per cubic centimeter and provide the utilities of environmental protection and health. At present, Portable Micro Sprayer is applied to humidifier and fragrance diffusing. We'll develop the technology to other fields about home use, vehicles and even drug delivery in the future.

Commentary

- The main features are the low power requirement and easy portability. The generated particles are evenly distributed and the fog will not disrupt the compositing liquid molecules. This product can be used to nebulize water or other types of liquid and has a wide range of potential applications.
- The sales performance is already exceptional. As the moisturizing market is growing, the market potential will be enormous.

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愛智海有限公司

IDEA OCEAN CO., LTD.

積木式攀岩牆

BLOCK ROCK CLIMBING WALL



簡介

本產品像樂高積木一樣，可任意組合形狀，且比樂高更進一步是它可任何面接合(樂高只有兩面)，變化無窮，可大可小；易組合，易拆卸，成本低，可DIY。

每個面都是攀爬面，且能以簡單的組合設計牆面之難易度。室內戶外均可放置，是很好的攀岩訓練設備，大人小孩皆適用。

評語

- 標的物為創新改良攀岩牆材料及結構方式，以30公分立體框架作積木式鎖合，其整體構造與形狀可大可小變化多樣，突破傳統攀岩牆之限制。
- 商品外銷美國、澳洲等地，其可輕易自行組合拆解且成本低廉等特性廣受喜愛，市場潛力大。

Introduction

The block rock climbing wall "Skycube" is a cubical structure with six sides connecting mechanism. Like Lego, it is designed to assemble with one another. But unlike Lego which assembled using only its two sides, Skycube can be assembled six sides. The result is a free standing rock climbing structure with lower cost, easier assemble, more versatile and more fun than transitional climbing wall.

Climbing wall assembled by Skycube can provide four sides of wall for climbing, both indoors and outdoors. User can design the difficulty of rock climbing by simply changing the combination of Skycubes.

Skycube is an ideal tool for rock climbing training both for children and adults.

Commentary

- This product adopts creatively improved climbing wall materials and structures and uses a 3D frame structure (30 cms cube) to firmly secure blocks. The overall structure and shapes can be changed at will, which is not possible with traditional climbing walls.
- Block Rock Climbing Wall is mostly sold in the USA and Australia. It is very popular among consumers as it can be easily assembled and is very affordable with great market potential.

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源星生醫科技股份有限公司 OSTAR Meditech Corp.

簡介

遠距醫療照護雲端監測系統 Telecare System With Cloud Computing



由源星生醫科技股份有限公司所研發之生理量測裝置，如電子心臟頻譜血壓計、電子血氧機、電子血糖計等裝置，透過源星生醫科技所研發之Link2遠距傳輸盒，可將所量測之受測者生理資訊回傳至源星生醫科技股份有限公司所開發之雲端遠距照護資訊系統(Telecare Information System, TIS)之伺服器平臺，進行資料處理以及分析整合之工作。

使用者透過每日之量測，資料處理後呈現在網頁可監看病人之心臟狀況、血壓值、血氧值、血糖值，提供給醫院、或病人、或遠距院者獲得最重要的病患資訊，使每個病患都獲得平等而良好的醫療照護服務。

源星生醫的遠距健康照護系統的目的是讓使用者可作居家健康自主管理，整合了無線網路、網際網路、IT軟體及醫療器材之量測數據之雲端運算，進而研發出的無線傳輸盒、電話線傳輸盒方便使用者量測血壓，無需一台電腦，直接量測將資料傳輸至遠距DB資料。

而另外研發出的USB傳輸、TCP/IP網路傳輸等可提供一般使用者作居家照護。備用一台上網的電腦，鏈結IamOK網站可將最新版的雲端程式直接執行在網際網路上，而不需安裝，方便上傳量測資料至遠距DB資料。

源星生醫科技股份有限公司亦開發了一款圖形化使用者介面，使用者介面需要經由一般電腦以及筆記型電腦，然後透過有線/無線網路與遠端之源星生醫資料庫進行溝通，即可進行雲端運算，以自動化流程將受測者之生理值資訊回傳至資料庫進行統計分析。以視覺的圖示、趨勢圖、落點效果分析，使用者淺顯易懂。

使用本公司心臟頻譜專利技術所研發的心臟頻譜血壓計、血糖計、血氧機可精密量測收縮壓、舒張壓、脈搏、血糖值、血氧值資料，由其P2血壓計可量測心臟脈動並繪出心臟頻譜圖形，量測心臟脈動時血管壓力並繪出變異率圖形，進而計算出心臟跳動頻率、瓣膜、冠狀動脈三部分雜訊，透過臨床觀察由心臟頻譜的雜訊可提供使用者的心臟之異常提醒，並建議去專科醫師檢查就診。

評語

- 標的物系統可透過頻譜圖解析出心臟頻率區、瓣膜區及心血管區三區域之頻率，能充分有效達到心臟健康自主管理的目的。
- 能夠遠距傳輸病人血壓、心臟脈動狀況等量測資料至醫療院所或照護單位，並可透過RS232、USB、傳統電話線、TCP/IP、電腦網路等方式傳輸，確保資料不漏失，自動量測完後進行即時傳輸。

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- 本申請標的具創新前瞻性，不但系統操作使用先進技術，且使用的材料亦符合綠色環保要求。

I ntroduction

For the physiological measurement devices developed by OSTAR, such as the electronic heart spectrum blood pressure monitor, the electronic oximeter, the electronic blood glucose meter and so on. Through OSTAR Link2 remote link box, it can transmit the measured physiological information back to OSTAR remote patient monitoring and cloud-computing information system, Telecare Information System, TIS, for patient's data processing, analysis, and integration.

The physiological datum through users measure every day, such as heart noises, systolic pressure, diastolic pressure, blood oxygen and blood sugar value can appear in the webpage, can monitor patients. So, the hospitals and patients can get most important patient's information soon and make each patient get equal and good medical treatment to look after and serve.

The purpose of Ostar Telecare Health system is let the users can stay at home and allow health care professionals. We intergrate wireless network, internet, IT software and the measurement datum of Ostar meditech machine with cloud computing are transmitted to our Ostar telecare DB through a computer or transmission box. Users are convenient to measure blood pressure without PC, directly transmit the measurement datum to telecare DB.

And meanwhile Ostar researches and develops USB and TCPIP transmission support home-stay users to maintain health. One PC connects to USB line and go to lamOk website then run the latest BPM application on cloud internet without setup. Let users are convenient to send measure blood pressure data to telecare DB.

OSTAR has also developed a remote patient monitoring system with user-friendly graphical interface. OSTAR server will use cloud-computing and automated process to do the statistical analysis of the physiological data transmitted from users. Ostar lamOK website can record the patient's personal heart rate and blood pressure information and plot them into data grids and running trend charts. The users can easy to read and analysis.

User Ostar spectrumpulse technology developed heart spectrum blood pressure monitor can precisely measure the data of systolic pressure, diastolic pressure, pulse value. Especially P2 BPM can measure the heart-beat and draw the diagram of heart spectrum. To measure the pressure of blood vessel in heart-beat and draw the diagram of variance rate and calculate the heart noise for three parts: heart rate, value, and coronary artery. The heart noise of spectrum can remind user heart abnormal and suggest them go to see specialist of doctor and cure through clinical observation.

C ommentary

- This product can analyze frequencies of the heart rate area, valve area and cardiovascular area from spectrum graphs for patients to self-manage their heart health effectively.
- It can remotely transfer important data, such as blood pressure and pulse, to hospitals or special care institutes right after measurement. This can be done via RS232, USB, conventional phone wire, TCP/IP or computer networks in real time to ensure data integrity.
- This product is forward-looking. The system both adopts cutting-edge technologies and uses only materials that conform to environmental standards.

瑞太科技股份有限公司

Hopus Technology Inc.

簡介

環繞光纖自行車安全帽 (Hopus Ex-5) Cycling helmets with surround lighting (Hopus Ex-5)



申請標的環繞光纖自行車安全帽 (以下簡稱Hopus Ex-5) 主要創新特色為360°環繞光纖，最受注目，其使自行車騎士在夜間及視線不佳下，能無死角的顯現位置，主動提高安全性。一般自行車安全帽以保護頭部，被動降低傷害為主，Hopus Ex-5突破光導的限制，研發出360°會亮的安全帽，凸顯警示、救援等主動避免傷害之功能，獲得多國多項專利，相關之創新價值扼要敘述如下

1. 第一頂 360° 會亮的安全帽
2. 第一頂有具像圖案的安全帽
3. 注重原材料之環保性與減量化
4. 兼具安全與舒適的創新價值

評語

- 標的物帽體採塑膠薄殼(PC)，EPS Alloy一體成型，使用量減輕約30%，且可回收使用。另有內嵌一體成型設計之環繞光纖及帽後警示光源以及「四點式雙Y軸」扣帶，可提高安全性，並具操作簡便性。
- 該發光條結構，安全扣帶已獲得多國發明專利，產品量產及外銷亦有不錯的銷售佳績。

Introduction

The 360° lighting device is one of the entry's most innovative features. Using LED illumination and a freeform reflective strap to actively indicate the rider's position has significantly increased night time riding safety and poor visibility of the rider. Normal helmet only provide passive neck protection to the rider, while Hopus Ex-5 with lighting fiber increased the positive warning, and rescue signals. With patent in many countries, here are the list of main innovative value:

1. The first 360° lighting helmet
2. The first helmet with graphics printing on the shell
3. Committed to Green Policy and reduction of raw material
4. Incorporate safety and comfortable

Commentary

- The product uses a PC shell and is a jointless (EPS alloy) design that reduces total weight by 30% and is recyclable. The embedded (also jointless) encircling lighting fiber, warning light in the back of the helmet and 4-point Double Y axle buckle together can enhance safety. Additionally, they are user friendly.
- The lighting stripe structure and safety buckle have been awarded patents in many countries. The sales performance worldwide is also exceptional.

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萬鎭科技股份有限公司

DISONIC TECH CO.,LTD.

簡介

結合銀行信託保證之晶片
儲值卡會員管理系統
The Loyalty chip card
Management System
Integrating Banking Trust



本系統主要對象為「零售暨連鎖加盟服務業者」。

其主要用途：

1. 協助流通服務業者發行會員卡鞏固會員，強化顧客忠誠度
 2. 利用晶片卡的安全特性，實現預付制度的消費模式
 3. 協助流通服務業者順利獲銀行信託履約保證
 4. 消費者透過本標的，預付金得到金融機構保證，確保大眾權益
- 其特色要點如下：

1. 打破晶片、系統開發、維運服務三種產業界線的創新服務
2. 雲端運算概念的發卡平台
3. 遵循法令規範與金融機構稽核作業要求，符合公正嚴謹精確高效原則之監控作業
4. 依量計價，不販售軟硬體，以效益結果為訴求
5. 維運委外，專注服務之新型態經營模式

評語

- 在會員卡領域有相當程度的技術，並在市場擁有多起使用個案。結合銀行信託保證，提供多元方式的應用工具，如接觸式與非接觸式片卡、拋棄式電子禮券等，供客戶組合選用之服務。
- 可為各使用企業建立自有的資料庫，並提供代管機房及發卡系統，也可協助進行客群分析，以提昇決策支援功能。

Introduction

The main target of this system is for retailers and chain-stores alliance service providers.

Its main purposes are:

1. Assist Services Providers to issue membership cards for consolidating member and strengthening customer's loyalty
2. Use of chip card's security features, to achieve the consumption pattern of pre-paid system.
3. Assists Circulation Service Providers to smoothly attain the bank trust surety bond
4. Consumers through the subject, advance payment guarantees to financial institutions, to ensure that the public interest.

Featuring highlights are as follows:

1. To break three industrial boundaries innovative services of the chip, system development, maintenance and operation services.

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2. The concept of cloud computing card platform.
3. Follow the laws regulations and auditing requirements of financial institutions, in line with the principles of justice rigorous, accurate and effective job of monitoring.
4. According to the quantity valuation, not to sell the soft and hardware and take the benefit result as the demand.
5. Outsourcing of maintenance and operation, focusing on new types of services business model.

ommentary

- Disonic Tech CO., LTD controls key technologies in the loyalty card field and has successfully completed many projects. By combining bank trust guarantee, this product can cover such applications as contact & non-contact chip cards, and disposable e-gift vouchers for customized development.
- Disonic Tech can design a customized database and card system, offers IDC services and can analyze market segments to improve DSS functionality.

義晶科技股份有限公司

Avisonic Technology Corporation

簡介

魚眼鏡頭影像扭曲補償晶片- AVS7101 Fisheye Lens Distortion Compensation IC – AVS7101



雖然魚眼鏡頭已經上市許多年，然而系統製造商一直無法提供適合人眼視覺感官的「影像扭曲補償」方案，也沒有任何台灣晶片設計公司，專注於「鏡頭影像扭曲補償」的晶片開發。事實上，如果採用IC設計方式，將影像扭曲補償的數學算法建構在晶片上，可以提高效能，有效降低製造成本，提供適合人眼視覺感官的「影像扭曲補償」方案，並擴大魚眼鏡頭的應用範圍，如超廣角車後視攝影機、超廣角門口影像對講機、魚眼網路攝影機、醫療用內視鏡等。

評語

- 申請標的以晶片實現取代傳統軟體進行魚眼影像校正功能。速度快、功能佳，並首創以一顆魚眼校正晶片獨立於微處理器與鏡頭之外銷售的模式，增加系統設計的便利性。
- 申請標的由於功能強大，因此罕見地已經打入日本大廠的供應鏈，未來銷售成長可期。本標的技術背景強大，已獲多項發明專利，本標的應用範圍廣，將可成為公司成長動能。

Introduction

Although a fisheye lens has been applied to many devices for many years, system companies cannot provide a better "lens distortion compensation" solution that suitable for the human visual sensory using the fisheye lens. Also, no Taiwanese chip design company focuses on "the lens image distortion compensation". In fact, we can get advantages as follows if we implement mathematical algorithms through chip design.

? Support real-time performance

? Reduce manufacturing cost

? Get the best image quality for human visual sensory

Moreover, the AVS7101 expands the scope of application with fish-eye lens such as wide-angle rear view camera, wide-angle video door phone, wide-angle network camera and medical endoscopy.

Commentary

- AVS7101 takes on the processing load of calibrating fisheye images traditionally handled by application software. It boosts the application performance with great functionality and opens a new market segment that prefers handling the processing load on IC chips rather than on CPUs and lenses. This feature has greatly improved flexibility of system design.
- Because of this powerful product, Avisonic Technology has also been perceived as a preferred supplier for known Japanese manufacturers and sales growth can be expected. AVS7101 is technically advanced and has been awarded many patents. Its wide range of applications will surely enable the company to grow impressively.

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達特富科技有限公司

Dr.Foot Technology Co.,LTD

簡介

足部電腦掃描檢測評估系統 FOOT EXAMINATION AND MEASUREMENT SYSTEM



國內第一套自行研發電腦足部評估檢測軟硬體，因評估客戶足部狀況與紀錄臨床表現之需求，結合電腦足壓掃描、影像科技、足部醫學領域，自動量測足部各區段長度及角度並自動轉換建議適穿鞋號，改善鞋品穿著舒適度及提昇足部輔具設計應用，已獲得多國發明專利肯定。

Orth-Tech醫療版

提供醫療人員使用，『足壓與步態動態攝影與角度量測』、『足鞋具處方設計』、『客戶主述評估與病史紀錄』，『客服管理系統』、『帳務管理系統』..。

Fit-Tech門市版

提供健康鞋品適穿量測，以足壓檢測與足部尺寸量測及建議穿鞋尺寸為主。

評語

- 足部電腦掃描檢測評估系統分門市版、醫療版，已分別與阿瘦皮鞋及榮總醫院合作，對足部輔具產業及醫療保健產業有潛在貢獻效益。
- 系統具足壓、足型外觀、足部影像等專業量測功能，並建立足型比例資料庫等，配合專業人員(足部裝具師、物理治療師等)研發技術，系統應用範圍廣，潛力十足。
- 足部掃描相關技術擁有多項專利，具技術自主性，未來可整合成足部健康中心服務。

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I ntroduction

Our company developed the first set of “foot-scan” computer software, by clinical physical therapist and pedorthics to the foot of assessment and evaluation.

The design is made very easy to use for medical personnel, has already obtained the national invention patents in U.S.A., China and Taiwan.

The system combines scanning, imaging technology and the knowledge foot medicine; the record from variety of devices and get performance data to explain the foot of health status; To meet the different industries and according to the measurement function of professional and precision, we especially planning and design of the two systems of foot-scan.

Ortho-Tech

Dedicated system for medical institutions, , this pathway also features added 『Measurement & photo of foot and gait of static/dynamic』, 『Prescription and design of insole & shoes』, 『Customer narration and history record』, and more added the 『Customer management system』, 『Account management system』, 『Referral unit management system』, 『Products management system』, 『Report system』 which applications such as sub-items to increase quality and quantity of services.

Fit-Tech

For the general store channel of the health shoes or sporting goods,. It functions more easy to detect with foot pressure and foot size to recommend the suitable of shoe size.

C ommentary

- Dr. Foot Technology offers two versions – the standard and Medicare version -- and has partnered with ASO and Veterans General Hospital. This product is very helpful and can contribute greatly to the foot orthoses and the healthcare industry.
- The system offers professional measurement features to measure foot pressure, shape and appearance and images, can establish a plantar percentage database and can be integrated with cutting edge technologies adopted by medical professionals (foot orthosis therapists or physical therapists). It has a wide range of applications and is full of market potential.
- In terms of orthosis scans, Dr. Foot Technology holds many patents and retains ownership on key technologies. In the future, this product can be used in services provided by foot health centers.

馳寶科技股份有限公司

OMNI MOTION Technology Corporation

簡介

可充電雷射簡報器滑鼠 Rechargeable air presenter mouse



本產品主要是結合微機電陀螺儀技術，使空中滑鼠(Air Mouse)能偵測人體手部運動，藉由手腕轉動精準的控制滑鼠指標的移動，使用者不用坐在電腦桌前，就能在空中靈活操控電腦、做簡報，瀏覽網路、享受各種多媒體娛樂，隨時隨地自由自在的操控滑鼠指標！

除了使用2.4G展頻無線傳輸，並以軟體取代雷射紅點、PowerPoint畫筆快捷鍵等功能，是會議簡報或上課投影片的最佳幫手。

評語

- 申請標的結合雷射簡報器和空中滑鼠，並使用微機電陀螺儀做姿態感測器，使得滑鼠功能具有良好的精緻度。
- 在軟體功能上創新加入簡報用游標，使產品更具親和力，公司規模雖小，但是在研發上相當嚴謹，已佈局許多新型專利，相當用心。
- 申請標的已有不錯之銷售實績，前景可期。

Introduction

The air mouse is equipped with a gyroscope so that it can be used like a wireless presenter, and a remote control device. This product utilizes MEMS gyroscope device precisely tracks wrist movements, then it transforms to the mouse cursor movement in the screen. It is easy to use with intuitive and ergonomic button design for mouse cursor control, presentation, explore internet and multi-media operation. Moreover, this product is a idea assistant by adopting DSSS wireless communication and soft laser pen

Commentary

- Rechargeable Air Presenter Mouse combines a laser presenter and air mouse and includes a MEMS gyroscope device for attitude transducer sensors to enhance the precision of the mouse movement.
- The program that comes with the product offers a cursor feature designed for presentations to make it more user-friendly. Although OMNI MOTION Technology Corporation is a small company, they are dedicated to the product. It has implemented strict R&D methodologies and has filed for many new patent applications.
- The sales performance is exceptional and has growth potential.

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遠東生物科技股份有限公司

Far East Bio-Tec Co., Ltd

簡介

凍乾藻紅螢光蛋白 Lyophilized R-Phycoerythrin



R-Phycoerythrin是從藻類所萃取純化出的螢光蛋白，擁有絕佳水溶性，強訊號低背景干擾和穩定的螢光表現，廣泛的被運用在生醫領域中；如微陣列 (Microarray)分析、流式細胞儀(flow cytometry)中當作螢光標示劑，擴大反應訊號，使儀器能偵測到量化的實驗結果。另外也能被應用在螢光能量轉移(Fluorescence Resonance Energy Transfer)做為生物功能或藥物作用機轉探討之用。

本申請標的創新特色包含

1. 以室內微藻單體快速大量培養
2. 全世界最大的量產基地
3. 創新推出全球唯一凍乾量產R-Phycoerythrin產品

評語

- 突破目前之液態產品，創新全球唯一凍乾量產R-Phycoerythrin產品。獨創快速得到高純度及量產之純化方法，R-PE純度大於5.5，其凍晶型式可對光照與溫度刺激耐受性高。
- 獲以「B藻蛋白及其衍生物作為螢光標識試劑及其組套」之台灣發明專利，其產品生命週期長，對全球醫療產業使用量大增，市場需求不容小覷。

Introduction

R-Phycoerythrin (R-PE) is a phycobiliprotein extracted and purified from algae. Due to its excellent water solubility, strong signal, low background interference, and stable fluorescence performance, it is widely applied in biomedical field. For instance, it can be used as a fluorescence marker to amplify reaction signal in Microarray analysis and Flow Cytometry, therefore the instrument can detect quantified results. Furthermore, it can also be applied in Fluorescence Resonance Energy Transfer for the purpose of researching biological function and mechanism of action of medicine.

Innovated characteristics of the application target include:

1. Great quantity and rapidly indoor cultivation
2. The largest microalgae manufacturing plant in the world
3. World's only ready-to-use Lyophilized R-Phycoerythrin

Commentary

- More advanced than all similar liquid products on the market, Lyophilized R-Phycoerythrin is the only freeze-dried R-Phycoerythrin worldwide. The unique and speedy purification process can yield ultra-highly purified Lyophilized R-Phycoerythrin (R-PE>5.5) in large quantities. The lyophilized type is highly resistant to sun exposure and temperature stimulation.
- Awarded with the Taiwan patent of using B algal protein and its derivatives as fluorescent reagents and its product set. With a long product life cycle, Lyophilized R-Phycoerythrin can meet growing demands in the medical industry and the market potential cannot be overlooked.

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寬仕工業股份有限公司

Kwantex Research Inc.

簡介

閃尾螺絲

KTX-Torpedo Screw



閃尾螺絲(KTX-Torpedo Screw)適用於各式軟、硬木材，軟、硬環保複合材料建材之螺絲，優點有：

1. 螺絲孔槽咬合佳，傳輸扭力大，可單手操作輕力鎖入
2. 快速攫取與各種軟硬木材與複合材料，節省作業時間
3. 低旋入扭力，操作省力
4. 鎖入後無裂材、無毛邊，不損傷建材
5. 高延展性，抗外部衝擊與萬向負載
6. 塗裝奈米化，鎖入後不脫落，抗腐蝕、抗候性佳

評語

- 企業主要研發用於木頭、複合材料等建材之螺絲，標的物為企業自有商標”KTX-Torpedo”，擁有來自台灣、大陸、歐盟等多國專利。其專利螺絲之螺紋有二段牙，設計理念為切斷纖維且同時擴孔，使螺絲快速鎖入而不裂材。
- 因為國內外建材使用差異，標的物以外銷為主，其營業實績約達公司全體營業額之28%，深具有國際市場競爭力。

Introduction

KTX-Torpedo Screw is our latest patent design. It is designed to be used in all kinds of soft/hard woods, such as Chipboard, Plywood, Red Oak, Thermo Timber, Composite board and etc.

KTX-Locking Drive provides superb stick fit quality and strong torque transfer that allows one-hand operation with ease. The unique thread design can fast grab the wood, low driving torque that saves the worker's installation time with less fatigue.

With KTX-Torpedo Screw, no damage to the wood and the wood surface is smooth and clean without splitting; its high ductility characteristic can sustain the shock of exterior force and loading strength from all directions. KTX-Nano Coating is optional for outdoor application, good adhesion that outlasts other inferior outdoor fixings in corrosion tests.

Commentary

- Kwantex Research focuses on developing wooden screws or screws for construction materials. KTX-Torpedo is a private label from Kwantex Research and the product has been awarded patents in Taiwan, China and the EU. The patented screw features two levels of screw teeth and is designed to cut off wooden fiber, expand the hold and firmly lock in the screws without breaking off screwed materials.
- Due to usage differences in construction materials, KTX-Torpedo Screw is mostly sold in foreign countries. It contributes to 28% of overall company revenue and is very competitive in the market.

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廣大整合網路工程股份有限公司

Konta Integrated Network Engineering Co., Ltd.

簡介

非洲一盞燈 School Children Lamp



『非洲學童燈』是用太陽能發電的原理，將太陽能熱能儲存到鋰鐵電池之後，再把小朋友帶回家的小電池，利用來學校上課的時間到教室充電，只要充電2小時，下課回到家，插頭一插，就有燈可以使用了，利用這樣的充電座，去做充電動作，亦可以提升學童的受教率，並降低文盲率。這盞燈的材料很簡單，燈罩是塑膠做的，不怕摔，不像傳統燈泡怕摔，也有防水功能，裡面是 LED 燈，雖然只有1瓦的亮度，不過相當於傳統燈泡4瓦，小朋友回到家，只要插上充飽電的電池，就可以持續照明4.5小時以上。

評語

- 標的物結合太陽能轉換裝置，轉換電能輸出至蓄電池中，再供電至多數充電電池，使其電力運用於電器用品上，以達到電力運用之可移動性及延伸性。
- 結合LED燈具輕便、可攜帶。每只一瓦LED燈可連續使用4.5小時，每次充電只要30~40分鐘之照明器具。
- 在非洲學校已有使用實績，設置之裝置一年後仍能使用，電池技術佳，未來可運用於急救站、野外活動等，具有發展之潛力。

Introduction

It uses solar power principle, which allows the energy to charge the battery in as little time as two hours. It's mobility allows ease of on-site charging anywhere from, the convenience of your own home, to the class rooms at school. With a complete charge, children are able to utilize its optimal power of lighting when needed for studies during times of low lighting. Well equipped everything is built in, allowing easy operation by its user. Allowing light visibility output when needed. The Lamp is constructed of simple material; the lampshade is made of durable material which is able to resist substantial impact, to avoid damage to the bulb. Led lights have longer hours of illumination with greater life expectancy. Led bulb illuminations are brighter if not equivalent to bulbs with higher voltage which are more fragile, like the standard convention bulb.

Commentary

- This product integrates a solar energy converter device to convert and store electric energy in battery cells before charging rechargeable batteries. It can power up appliances and realize the goal of power mobility and expandability.
- The integrated LED lamps are light and portable and each lamp only consumes 1w for using 4.5 hours and each charge only takes 30~40 minutes.
- These lamps are already tested by some African schools, and after one year, they are still functional. The battery technology is very mature and stable and can be applied in first-aid stations or outdoor activities. It offers great growth potentials

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聯聖科技股份有限公司

MicroLinks Technology Corp.

簡介

Vitiny Pro 10
Vitiny Pro 10



Vitiny Pro 10整合數位影像及光學技術，藉助特殊多角度變化的側光照明，產生陰影以增加立體觀測感，使顯微影像立體呈現，減少物體反射，增加辨識的功能。可拍照、錄影、電腦電視影像輸出，顯微畫面可進行尺寸量測。

另有5種支架輔助觀察。

- (1) 接觸外蓋：觀察軟性物質。
- (2) 半裸空式外蓋：觀察有高低落差物品。
- (3) 非接觸支架：觀察不可接觸或不可壓迫物品。
- (4) 大觀測皿：觀察較大物品。
- (5) 小觀測皿：觀察較小物品。

應用於品管、防偽鑑定、保健、教育研究、醫學觀察等專業顯微需求。外觀流線的造型設計，突顯專業的形象，提供專業人士最佳的顯微體驗。

評語

- 申請標的創新運用電子技術，將傳統體積龐大之光學顯微鏡功能於口袋型數位相機般大小的體積內實現，並增加許多附加功能，又使成本、售價大幅下降，促成了顯微鏡的進化。
- 軟硬體90%以上為自行研發，且100%使用本土零件，技術掌握度高，並具發明專利保護，在技術及市場的創新程度相當高，銷售實績亦佳。

Introduction

Vitiny? Digital Portable Microscope, Model no. PRO10

PRO10 breaks the conventional microscope style, have a 2.8"TFT monitor, can magnify 200x . It integrate with digital image and optical technology, as well as multi-lighting sources with side view LED for increasing sense of three-dimensional observation and anti-light reflection. Allows you to take photos , video and image output on PC or TV, measure dot size by built-in scale . It also comes with a professional measurement function in the application program.

Let you freely observe objects anywhere. There are 5 kinds of small supporters for observation aid

Supporter :

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- (1) shallow contact cap: to help observation of soft materials like cloth, wool, paper, hair, skin etc.
- (2) deep contact cap: to help observation of SMT components, screw, coin etc.
- (3) non-contact supporter: to help observation of wound, flower, insect, narrow area etc
- (4) deep tank: to help observation of worm, water, rock etc.
- (5) shallow tank: to help observation of fish eggs, spore, sand, drop, diamond etc.

All in all, Vitiny Pro10 is more than enough for quality control inspection, security identification, personal care, education, medical observation and so professional microscopy needs. Streamline design, fine wire lines surface treatment showing its sleek and professional image, providing the best professionals in various fields of microscopy experience.

ommentary

- Vitiny Pro 10 uses innovative electronic technologies to shrink an optical microscope from a conventional bulky one to the size of a digital camera that can fit into your pocket. It also offers many new additional features to greatly reduce production cost and prices and revolutionize microscopes.
- Ninety percent of the hardware and software technologies are developed in-house and use 100% Taiwan components. MicroLinks Technology has tight control over the technologies and has filed patent applications. Vitiny Pro 10 has a high level of technology and market innovativeness and the sales performance is also brilliant.

申 | 請 | 須 | 知

一、目的

為鼓勵中小企業從事創新研究發展、提升技術與服務水準、增強競爭力，特訂定「中小企業發展基金獎助中小企業創新研究要點」。針對持續以有組織、有系統之方法，自行從事創新研究而有具體成效之中小企業，甄選傑出者予以適當之獎勵，以期技術生根，進而達到轉型升級與健全發展之目的。

二、申請資格

(一) 獎勵對象

合於行政院核定「中小企業認定標準」之中小企業，其民國98年之研發費用佔營業額比例不得低於2.0%者。(研發經費請參考申請書表1註2)

(二) 獎勵範圍

自行研發之創新性產品、技術、製程、流程、服務(包含技術服務、知識服務、商業服務)等項，於民國98年完成，並已商業化運用或量產者。

註：申請獎勵之標的如已(曾)獲得政府機關補助款(如主導性新產品開發輔導計畫、協助傳統工業技術開發計畫、鼓勵中小企業開發新技術推動計畫、傳統工業技術升級推廣與輔導計畫、技術處「研發服務產業推動計畫」、新竹科學工業園區-關鍵零組件及產品計畫、新竹科學工業園區-創新研究發展計畫、業界科專補助計畫、中小企業創新服務憑證補助…等)不得申請，但其獲得補助並執行完畢後，再自行創新及研發程度高者，不在此限。

三、獎勵方式

- (一) 申請標的未曾獲政府機關其他獎項獎金且該企業前一屆未曾獲本獎獎助金，經評審通過者獲頒獎狀及獎助金新臺幣30萬元正，以30名為限，其中以員工數認定之中小企業得獎名額以不超過15名為限，確實得獎名額視申請審查情況核定(獎助金須依稅法相關規定辦理扣繳)。
- (二) 申請標的已(曾)獲政府機關其他獎項獎金者(如新竹科學工業園區-優良廠商創新產品獎、國家發明創作獎…等)或前一屆已獲本獎獎助金之得獎企業，經評審通過者獲頒獎狀，以不超過10名為原則。
- (三) 同一企業當年度同時有兩項(含)以上之標的獲獎，僅頒發30萬元獎助金，不得累加獲獎金額。

四、申請手續

(一) 申請方式

1. 檢附申請資料一式2份(包含正本1份，副本1份)，申請書請以電腦繕打，並以A4規格裝訂整齊，申請資料概不退件。
2. 一律採通信方式報名，請將申請資料掛號郵寄至「106臺北市羅斯福路2段95號6樓創新研究獎工作小組收」。

申 | 請 | 須 | 知

3. 申請書請至經濟部中小企業處(www.moeasmea.gov.tw)、社團法人中華民國中小企業協會(www.nasme.org.tw)及創新研究獎專屬網站(<http://tsia.nasme.org.tw>)下載，或洽經濟部中區、南區聯合服務中心，各縣市政府中小企業服務中心。
4. 洽詢電話：(02)2366-0812分機502 創新研究獎工作小組 辛小姐。

(二) 送審資料

1. 申請書
2. 公司登記資料影本
(可逕行至全國商工行政服務入口網-<http://gcis.nat.gov.tw/index.jsp>查詢列印)
3. 工廠登記證影本

註：廠地面積未達 100 平方公尺且廠房面積未達 50 平方公尺且電力容量、熱能(馬力與電熱之合計)未達2.25千瓦之小型製造業者免附，惟需檢附切結書。

4. 申請獎勵標的之商業化或量產之相關證明文件影本(於99年5月31日前銷售之發票、合約書、訂單，若為醫療產品或食品需檢附相關主管機關核可之證明文件)
5. 其他申請獎勵標的之相關證明文件影本。(如：專利、獲獎紀錄、標準、認證、著作權、相片及型錄等〔請參選廠商儘量提供〕)
6. 以員工人數認定之中小企業，請附98年1~12月勞保局核發之「勞工保險局保險費繳款單及明細表」影本

註：以資本額或營業額認定之中小企業免附。

7. 98年度營利事業所得稅結算申報書影本。(包含資產負債表及損益表；此項資料最遲應於6月10日前掛號寄達)

(三) 申請期間

即日起至99年5月31日(星期一)止。(通訊寄件以掛號郵戳為憑)

五、評 審

(一) 評審方式

分為資格審、初審與決審3階段

1. 資格審：由創新研究獎工作小組進行基本資料審查。
2. 初 審：由初審委員會進行書面審查，並視實際狀況需要，派員實地查核。
3. 決 審：由決審委員會進行書面審查，並決定得獎名單。

(二) 評審標準

基本評審項目及權重

- | | |
|-----------------------|-------|
| 1. 申請獎勵標的之創新性 | 35 % |
| 2. 申請獎勵標的之實用性 | 35 % |
| 3. 申請獎勵標的之國內外競爭力 | 20 % |
| 4. 申請企業之目前及中長期研發構想及營運 | 10 % |
| | 100 % |

申 | 請 | 須 | 知

(三) 評選原則

當申請標的之評審積分相若時，以未曾獲本創新研究獎之企業優先考慮，惟仍由評審委員會會議決之。

六、得獎企業之義務

得獎企業有配合蒐編專輯及參加頒獎典禮、成果展示會與中小企業創新研究獎聯誼會等相關活動之義務，得獎企業若經查證有違反本須知規定或不實陳述者，其獎狀及獎助金應繳回。

七、其他

得獎名單預計於99年12月底公佈，並以專函通知所有申請企業。

附錄1：行政院核定之中小企業認定標準相關規定

◆ 中小企業係指依法辦理公司或商業登記，並合於下列標準之認定

- 一、製造業、營造業、礦業及土石採取業實收資本額在新臺幣八千萬元以下者。
- 二、除前款規定外之其他行業前一年營業額在新臺幣一億元以下者。

◆ 另就經常僱用員工數為中小企業認定標準，則不受前項規定之限制

- 一、製造業、營造業、礦業及土石採取業經常僱用員工數未滿二百人者。
- 二、除前款規定外之其他行業經常僱用員工數未滿一百人者。

◆ 具有下列情形之一者，視同中小企業

- 一、中小企業經輔導擴充後，其規模超過第二條所定基準者，自擴充之日起，二年內視同中小企業。
- 二、中小企業經輔導合併後，其規模超過第二條所定基準者，自合併之日起，三年內視同中小企業。
- 三、輔導機關、輔導體系或相關機構辦理中小企業行業集中輔導，其中部分企業超過第二條所定基準者，輔導機關、輔導體系或相關機構認為有併同輔導之必要時，在集中輔導期間內，視同中小企業。

申 | 請 | 須 | 知

附錄2：申請標的物分類定義標準

類 別	定 義
資訊與電子類	含通訊設備、電腦通信、資訊軟體、資訊硬體、消費性電子、半導體製造、電子機械器材製造修配、視訊產品、視聽電子製造、電子零組件製造、光電器材、積體電路設計、其他電子資訊製造等資訊與電子相關之標的。
機械與自動化類	含機械設備製造、運輸工具製造，模組開發製造、航太製造、自動化機械、物流/倉儲設備、動力傳動/制動設備及零組件等機械與自動化相關之標的。
材料與生技類	含生物化學、纖維材料、工程塑膠材料、金屬材料合金、鑄造材料、化學品製成、生化技術、藥品製造、食品加工製造、醫療器材等材料結構製造及生化科技等材料與製程相關之標的。
服務類	含知識服務、技術服務與商業服務模式等，其成功經營模式、服務方式或行銷方法具有前瞻性、示範性及可提昇工作效率之標的(例如：環保服務類、能源服務類、檢測服務類等)。
綜合類	含一般民生用品、消費性產品、創意設計及非前述類別之申請標的物皆納入綜合類之範圍。

註：請企業先依上列分類定義填寫申請之標的物所屬類別，審議過程中評審委員會得依標的物內容與性質做最後確認。

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執行單位：社團法人中華民國中小企業協會

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柯志昇	資鼎中小企業開發股份有限公司 董事長
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