



智高實業股份有限公司

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企業沿革

- 1976年** ● 成立智高實業股份有限公司，發展智高遊戲積木系列，以自創品牌及開發新產品為經營主軸
- 1977年** ● 榮獲台灣省發明人協會頒贈金頭腦獎
- 2003年** ● 成立智高教學中心與德國知名的EITECH和KOSMOS合作開發科學的組合玩具
- 2007年** ● 智高整合30年來開發的222個積木元件，走入積木夢幻王國的新紀元
與KOSMOS合作，以能源為主題透過組裝積木模型激發兒童創意及珍惜能源的知識
- 2012年** ● 榮獲iF產品設計獎
- 2017年** ● 榮獲德國紐倫堡玩具展-創新獎前三名 (#7409-CN 爬牆機器人)
- 2018年** ● 榮獲金點設計獎-產品設計類(#7442-CN邏輯編程機器人)
- 2019年** ● 榮獲台灣精品獎-休閒運動精品類 (#1246R-CN 智能機器人工作坊)

主要產品

1. 零售市場
 - (1) 小工程師系列
 - (2) 故事系列
 - (3) 創新科技系列
 - (4) 機器人系列
 - (5) 綠色能源系列
 - (6) 智慧積木系列
2. 學校市場
 - (1) 智高實驗室
 - 創新實驗室系列
 - 趣味實驗室系列
 - 學習實驗室系列
 - 樂齡實驗室系列
 - (2) 學習版系列
 - (3) 教具系列
 - (4) 創意傢俱系列
 - (5) 創意禮物系列

企業簡介

- Gigo 玩智高 智慧高
來自台灣的Gigo智高，以獨步全球的「一凸五凹」專利研發科技，創造出世界級頂尖的結構型積木。始終堅持快樂學習的態度，Gigo智高首創「玩具教材化、教材玩具化」，完美地將教育理念融入遊戲中，因此，Gigo智高成功地從台灣發展、進軍歐美及亞洲，為孩子創建一個快樂學習的嶄新空間。
- Gigo 智高品牌意涵
 - G - Gifted 天分：讓孩子發揮自己最擅長的才能。
 - I - Innovative 創新：從自己動手做，鼓勵創新精神。
 - G - Green 綠能：以綠能科技為核心，用行動關懷環境。
 - O - Open-minded 開放：開放心胸，以樂觀態度面對世界。

國際競爭力

- 一、產品-變化最多的基因
「Gigo智高」以「幫助全世界孩子快樂學習」為目標，不斷研發創新，發明擁有全球專利的「一凸五凹」結構積木，獨特單點橋接結構，僅用16顆積木，即可創造出6百億種變化，由此衍生超過600多個功能積木及100多項世界專利，成為國內外科學教育不可或缺的一環。
- 二、教育-內涵最佳的軟體
說明書以科技與科學為主軸，設計主題式學習課程。不僅提供紙本的積木組裝步驟，更有線上3D全視角智慧組裝，讓學習沒有侷限。全套的教師手冊、學生手冊、課程簡報、教案等多種符合課綱的教學方案資源，方便老師備課。
- 三、研發-多元最強的夥伴
智高團隊不畏艱難，朝著「教材玩具化，玩具教材化」的方向研發，獲得全球各大教育品牌的青睞，並成為最佳的夥伴，足跡已遍布全球37個國家，並攜手為全世界學童創造無限的可能。



Genuis Toy Taiwan Co., Ltd.

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Products and Solutions

1. Retail Market
 - (1) JUNIOR ENGINEER
 - (2) STORY LINE
 - (3) EXPERIMENTS
 - (4) ROBOTICS
 - (5) GREEN ENERGY
 - (6) SMART BRICKS
2. School Market
 - (1) Gigo Lab
 - Creative Lab
 - Fun Lab
 - Learning Lab
 - Senior Lab
 - (2) LEARNING BOARD
 - (3) TEACHING AID
 - (4) PANEL SERIES
 - (5) CREATIVE GIFT



History

- 1976 Established.
Invented and manufactured Gigo Block(patented).
- 1977 Won "GOLD BRAIN AWARD" by Taiwan Provincial Inventors.
- 2003 Entering into a global strategy alliance.
Set up Gigo Teaching Center.
- 2007 Cooperate with KOSMOS from Germany to
develop kids' knowledge and appreciation
of natural resources with a series of these
themed packages.
- 2012 Won iF Product Design Award.
- 2017 Won Nuremberg Toy Award Nominee
(#7409 GECKOBOT).
- 2018 Won Golden Pin Design Award (#7442
KIDS FIRST CODING & ROBOTICS).
- 2019 Won Taiwan Excellence Award (#1246R
ROBOTICS WORKSHOP).



Introduction

- From unique patent to expand imagination unlimited

Gigo from Taiwan creates a world-class constructional bricks with its unique "One-Peg-5-Hole" patent. Always adhere to bring joy through learning, Gigo pioneered the innovative idea, " Make toys educational, and make education fun".



營運管理

一、立足台灣 行銷世界

匯集各領域人才，在台灣有超過130位智高人齊心協力，聯手國際專業團隊，不斷創新研發。立足台灣，行銷世界近40個國家，在全球都能看見智高積木的身影，跨足零售與教育的全球化市場。

二、在地生產 安心製造

始終堅持台灣製造，嚴格把關原物料品質，安全無毒。通過知名檢驗機構安規驗證，符合國際安全標準。

三、玩具教材化 成功打開國際教育市場

發明齒輪、電學、氣壓水動等科學積木，將孩子最愛的玩具搖身變為老師授課的教材，創新模式成功打開歐美科學教育市場。

四、風靡全球的創意商品 屢獲國際大獎肯定

融入綠能議題，首創風力發電、太陽能等綠能積木。結合虛擬科技與實體積木，開發藍牙遙控、程式編寫、AI智慧等積木產品，發展出超過600個功能積木及100多項世界專利。領先全球推出Toys 4.0新世代玩具，橫掃國際大獎。

社會責任

為推廣智高創新與科普精神，成立了「世界機關王協會」，讓孩子們享受挑戰創新的樂趣。「2019年World GreenMech Contest世界機關王大賽」由「世界機關王協會」辦理的競賽以科學原理為基礎，融合STEAM (Science科學、Technology科技、Engineering工程、Art藝術以及Mathematics數學)五個構面的學習與發展，設立三種不同的賽事：「機關整合賽」、「機器人任務賽」及「積木創客盃」，讓參賽者應用課堂中所學的科學概念、科技知識，透過積木、動手實作及運用程式編寫等方式發揮巧思及創意，達到推動創意科學教育之目的，也提供學子們一個盡情發揮、表現的舞台。



綜合評語

- 一、以自有品牌Gigo行銷，外銷地區包含美國、法國、德國、日本、中國大陸及澳洲等國家，為國內玩具積木第一品牌。
- 二、積極發展Gigo Lab，結合競賽模式進行市場推廣，全球科學與綠能積木市場產品市占率高達5%，產品特色為積木建構彈性化與多元化，可延伸至全年齡市場。
- 三、重視員工教育訓練，產品首重環保減塑、安全及便利性，協助偏鄉科學教育及產學合作，協助培育產業人才。



We imperceptibly implant educational intention through playing, that is the key factor makes Gigo successfully expand into Europe, America and Asia and create a new space of joyful learning.

■ Gigo Brand Value: More Than Play

G - Gifted : Let children discover their own natural talents.

I - Innovative : Hands-on play encourages creativity.

G - Green : Emphasize on green technology and education to make green environment.

O - Open-minded : Learn various ways to face challenges and solve problems.

Export Competitiveness

I. Product - the Ever-evolving Gigo Blocks

The “One-Peg-5-Hole Cube” is the fundamental basis of the Gigo block system. According to research by mathematician Kevin L. Gong, there are up to 60 billion possible combinations and permutations possible with just 16 cubes. Expanding the Gigo block ecosystem, there are now around 600 components, and more than 100 intellectual property patents protecting these unique designs.



II. Education - Comprehensive Solutions to Teaching and Learning

Gigo's products are firmly centered around themes of science and technology. With experiential learning, students have instruction manuals and a wide variety of educational resources for support. Students, however, are only part of the learning equation. Gigo also takes teacher support very seriously, and provides teacher guides, learning plans, and a Smart Manual Web Service, which accurately displays all the 3D models with their precise building instructions. Gigo prides itself on its comprehensive teaching and learning solutions.

III. Research & Design – Forging Professional Partnerships

The Gigo team lives for challenges and puzzles. Finding new ways to make learning through play innovative and fun is not always easy. Gigo regularly partners with major education brands around the world to develop new sets and curriculum ideas. Hand-in-hand, we use Gigo blocks to create infinite possibilities for children around the world.

Operation Management

I. Global brand, local touch

The Gigo team at the head office in Taiwan contains more than 130 talented individuals, from a wide variety of backgrounds. In addition to this, Gigo regularly collaborates with other international, professional teams to ensure product development and innovation has a regular breath of fresh air from outside. Thanks to this teamwork synergy, Gigo blocks can now found in 40 countries around the world, both in retail and educational settings.

II. High quality, safety guaranteed

Gigo keeps all production in Taiwan, so that the quality of materials and processes can be guaranteed. Taiwan now has a long history of precision manufacturing, especially with regard to plastics and Gigo is able to guarantee that all products are safe and non-toxic to both humans and the environment. For peace of mind, Gigo products are also tested by internationally recognized independent safety assessors such as Intertek.

III. Make toys educational, make education fun

As children grow bigger, so do their plans and designs. Functional blocks allow development of concepts such as electricity, mechanics, pneumatics, and robotics, among many others. With these additions, Gigo develops children's favorite toys into teaching aids, and spreads the message that science can be fun, worldwide.

Social Responsibility

The 2019 World GreenMech Contest is an engineering-for-fun challenge, run by the World Forum for GreenMech Promotion. Using scientific principles, this competition combines Science, Technology, Engineering, Art, and Mathematics (STEAM) to promote learning and growing. There are three contests, each seeks to inspire contestants in their own way to engage in scientific study, creative problem solving, and better understand the use of scarce resources when project planning. Contestants can enjoy pitting their different skills, abilities and creativity against each other in a fun and friendly environment. There is ample opportunity for all contestants to make their contribution count.