



COMPANY

PROFILE 企业简介

自创立以来，VICO ENGINEERING以“技术驱动基建创新，服务赋能全球工程”为核心理念，在深耕桥梁、隧道、海事工程及特种结构等重型土木工程领域的基础上，精准洞察民用建筑（简称“民建”）市场需求，打造“重型工程+民建领域”协同发展模式，为全类型工程项目提供从方案研发到现场交付的全链条解决方案，致力于成为连接全球多元工程需求与前沿技术的核心力量。

Since its establishment, VICO ENGINEERING has adhered to the core philosophy of "Driving Infrastructure Innovation with Technology, Empowering Global Projects with Services". While deeply engaging in heavy civil engineering fields such as bridges, tunnels, maritime engineering and special structures, it has accurately grasped the needs of the civil construction market, creating a coordinated development model of "heavy engineering+civil construction", and providing full-chain solutions from R&D to on-site delivery for all types of engineering projects. It is committed to becoming a core force connecting global diversified engineering needs with cutting-edge technologies.



依托VICO Engineering在全球工程服务领域的深厚积淀，VICO ENGINEERING 构建了覆盖前期咨询、方案设计、制造监理、现场调试的高效本地化服务网络，自有VICO ENGINEERING 工厂更是民建模板与模架核心竞争力的关键支撑——作为 模块化装备核心生产基地，工厂以20万平米占地、5个现代化生产车间为硬件基础，延续“设备设计-制造-现场应用”全 流程把控逻辑，配备适配民建模板模架生产的数控设备与全流程质检体系，确保精度对标重型工程标准，更针对民建施工特性 实现差异化突破。例如，标准化民建模板可匹配住宅、商业楼宇通用尺寸，缩短筹备周期；定制化模架能应对异形户型、层高变化需求，借鉴“可拆装、易调整”模块化思路实现快速组装与重复利用，解决民建工期、成本、交付痛点。同时，工厂具备柔性生产能力，可按民建项目需求调整方案，保障产品品质与效率，强化民建领域服务优势。

Relying on VICO ENGINEERING profound accumulation in the global engineering service field, VICO ENGINEERING has built an efficient localized service network covering early consultation, solution design, manufacturing supervision and on-site commissioning. Its own VICO ENGINEERING Factory is the key support for the core competitiveness of civil construction formwork and scaffolding. As a core production base for modular equipment, the factory is based on the hardware foundation of 200,000 square meters of area and 5 modern production workshops. It adheres to the full-process control logic of "equipment design-manufacturing-on-site application" and is equipped with CNC equipment and full-process quality inspection systems suitable for civil construction formwork and scaffolding production. This ensures precision meets heavy engineering standards, and achieves differentiated breakthroughs according to civil construction characteristics. For example, standardized civil construction formwork can match the general dimensions of residential and commercial buildings to shorten the preparation cycle. Customized scaffolding can meet the needs of special-shaped house types and floor height changes, and realize quick assembly and reuse by drawing on the "detachable and easy-to-adjust" modular concept, solving the pain points of civil construction schedule, cost and delivery. At the same time, the factory has flexible production capabilities, which can adjust plans according to civil construction project needs, ensuring product quality and efficiency, and strengthening service advantages in the civil construction field.

产品系列

【模板体系】

- ◇ 120 钢框胶合板模板体系
- ◇ **木梁模板体系**
- ◇ 铝合金模板体系
- ◇ VICO饰面清水混凝土模板体系
- ◇ 106 夹具式钢模板体系
- ◇ 120 全钢模板体系
- ◇ 型材组拼式模板体系
- ◇ 单侧支模体系
-
- ◇ 悬臂模板体系
- ◇ 液压爬模体系
-
- ◇ 150 铝合金顶板模板体系
- ◇ C 型材台模体系
-
- ◇ 桥隧模板体系
- ◇ 异型模板

【脚手架系列】

- ◇ 圆盘系统支撑架
- ◇ 门式脚手架
- ◇ 碗扣式脚手架
- ◇ 轮扣式脚手架
- ◇ 钢管脚手架
- ◇ 可调刚支撑
- ◇ 脚手架配件

【VICO 型材】

- ◇ 冷弯型材
- ◇ 工字木梁

【拆装式房屋】

【典型工程】

【国际合作】

Lists of Product

【Formwork System】

- ◇ 120 Universal Panel Formwork System
- ◇ **Timber Beam Formwork System**
- ◇ Aluminium Formwork System
- ◇ VICO Fair-faced Concrete Formwork System
- ◇ 106 Steel Formwork System
- ◇ 120 All-steel Formwork System
- ◇ Assembled Forming Formwork System
- ◇ Single Sided Formwork System
-
- ◇ Climbing Formwork System
- ◇ Automatic Climbing Formwork System
-
- ◇ 150 Aluminium Slab Formwork System
- ◇ C Forming Tableform System
-
- ◇ Bridge & Tunnel Formwork System
- ◇ Special Formwork

【Scaffolding Series】

- ◇ Ring System Scaffold
- ◇ Frame-connected Scaffolding
- ◇ Cup-lock Scaffolding
- ◇ Ring-lock Scaffolding
- ◇ Steel-tube Scaffolding
- ◇ Steel Props
- ◇ Scaffolding Accessories

【Profile】

- ◇ Cold Roll-forming Profile
- ◇ Timber H Beam

【Prefabricated House】

【Typical Project】

【Worldwide Corporation】

产品系列

【模板体系】

- ※ 120 钢框胶合板模板体系
- ※ 木梁模板体系
- ※ 铝合金模板体系
- ※ 饰面清水混凝土模板体系
- ※ 106 夹具式钢模板体系
- ※ 120 全钢模板体系
- ※ 型材组拼式模板体系
- ※ 单侧支模体系

- ※ 悬臂模板体系
- ※ 液压爬模体系

- ※ 150 铝合金顶板模板体系
- ※ C 型材台模体系

- ※ 桥隧模板体系
- ※ 异型模板

【脚手架系列】

- ※ 圆盘系统支撑架
- ※ 门式脚手架
- ※ 碗扣式脚手架
- ※ 轮扣式脚手架
- ※ 钢管脚手架
- ※ 可调钢支撑
- ※ 脚手架配件

【柏利型材】

- ※ 冷弯型材
- ※ 工字木梁
- ※ 几字型梁

【拆装式房屋】

【典型工程】

【国际合作】

Lists of Product

【Formwork System】

- ※ 120 Universal Panel Formwork System
- ※ Timber Beam Formwork System
- ※ Aluminium Formwork System
- ※ Fair-faced Concrete Formwork System
- ※ 106 Steel Formwork System
- ※ 120 All-steel Formwork System
- ※ Assembled Forming Formwork System
- ※ Single-sided Formwork System

- ※ Cantilever Formwork System
- ※ Automatic Climbing Formwork System

- ※ 150 Aluminium Slab Formwork System
- ※ C Forming Tableform System

- ※ Bridge & Tunnel Formwork System
- ※ Special Formwork

【Scaffolding Series】

- ※ Ring System Scaffold
- ※ Frame-connected Scaffolding
- ※ Cup-lock Scaffolding
- ※ Ring-lock Scaffolding
- ※ Steel-tube Scaffolding
- ※ Adjustable Steel Props
- ※ Scaffolding Accessories

【Profile】

- ※ Cold Roll-forming Profile
- ※ Timber H Beam
- ※ Steel & Wood Beam

【Prefabricated House】

【Typical Project】

【Worldwide Corporation】



技术说明

Technical Description

可调钢支撑由外管、内管、可调螺母、插销等组成。

螺母丝扣与把手采用特殊设计，操作方便，受力合理。

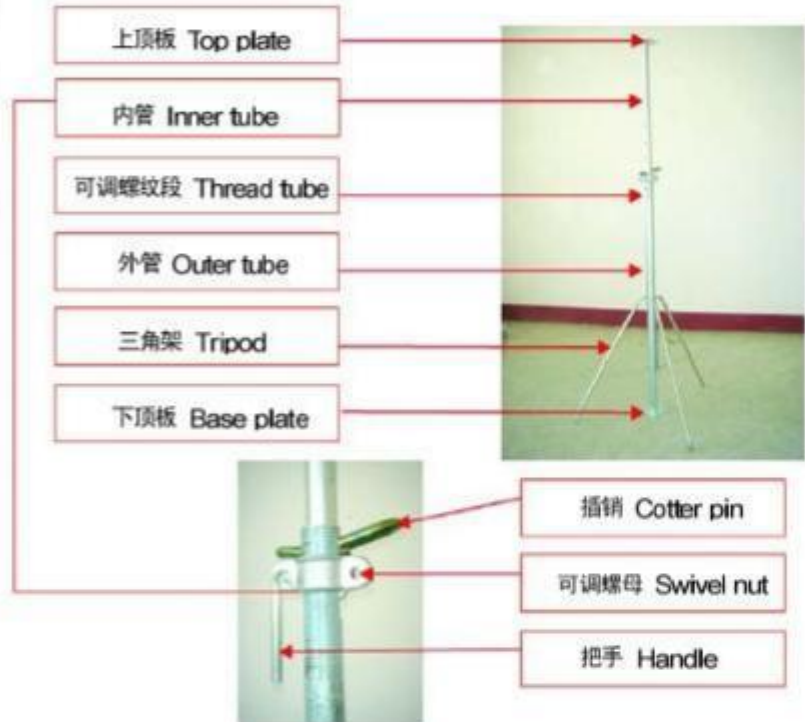
插销的巧妙设计，使其受力好，强度高，不易丢失，钢支撑的整体性好。

本可调钢支撑在施工应用时，比普通钢管脚手架或碗扣架节省时间 20%-30%。

Adjustable steel props consist of outer tube, innertube, swivel nut and cotter pin. The artful design for the nut and the handle makes operation easy, and load reliable.

Cotter pin, used for the quick-release device of steel prop, are of high strength and safe stabilization.

Comparing with other common steel tubes and caplocks, this independent steel props can save as much as 20%-30% of time.



可调钢支撑主要技术指标：

Technical data for the adjustable steel props:

型号 Model	编号 Article No.	外管 Outer tube(mm)	内管 Inner tube(mm)	最大长度 Max.H (mm)	最小长度 Min.H (mm)	可调长度 Extension range(mm)	螺母升程 Counter nut raise range(mm)	理论重量 Theoretical W(kg)	安全荷载 Safe load(KN)	
									最大长度时 Max.L	最小长度时 Min.L
I 型	15080130	φ60×3	φ48×3	3000	1800	1200	120	16.7	26	48
	15080136			3600	2200	1400	120	20	18	46
	15080141			4100	3000	1100	120	22.8	14	26
II 型	15080230	φ60×3.5	φ48×3.5	3000	1800	1200	120	18	30	50
	15080236			3600	2200	1400	120	22	21	50
	15080241			4100	3000	1100	120	25	16	30
III 型	15080330	φ76×3.5	φ60×3.5	3000	1800	1200	120	22	50	50
	15080336			3600	2200	1400	120	25	42	50
	15080341			4100	3000	1100	120	28	33	50
	15080348			4500 4800	3000	1800	120	33	28 25	50

注：I 型、II 型材料螺母段采用无缝钢管，其它部分采用焊接钢管；III 型材料全采用无缝钢管。

Note: The materials of nut part in Type I and II are the seamless steel bars, other parts are the common steel bars. The materials of Type III are all seamless steel bars.

使用方法

Assembly Procedures



(1) 根据需要高度初调钢支撑
Choose a proper hole to get a needed height



(2) 微调节螺母，使其达到使用高度
Adjust the swivel nut to an accurate height



(3) 安装专用顶托等部件
Assemble the prop head and steel prop with spring bolt



(4) 和三角架配合使用，准备支设顶板模板
Set up steel props system with tripod, getting ready for installment of slab panel



(5) 采用独立钢支撑进行顶板模板的支设
Support the slab panel with steel props



(6) 采用几字梁等材料进行顶板模板的支设
Support the slab formwork with steel & wood beam



(7) 使用完毕，拆除独立钢支撑
Disassemble the steel prop



(8) 钢销退出后，回缩内管
Retrieval of inner tube after the removal of bolt



(9) 码放整齐，以备周转使用
Pile them up in order for turnover

应用实例 Application



出口时在工厂试装
Assembly test for export



在国外顶板模板工程中的应用
Application in overseas projects



可调钢支撑在北京凯晨广场项目中的应用
Application in KaiChen Plaza, Beijing



钢支撑在台模中的应用
Application in tableform formwork



钢支撑在墙体模板中作斜撑
Application in the wall formwork

生产掠影
pictures



VICO Factory



支撑系统和铝合金顶板的配合使用
combination of steel props system and alu-slab panel



对钢支撑逐根的验收
Inspection for the steel props



标准的可调螺纹段
standard thread parts



钢支撑和三角架的配合使用
combination of steel prop and tripod



待出口的钢支撑
Steel props for export



可調鋼支撐的存放
Storage of steel props



典型工程 Typical project



北京联想研发基地 Research Center of Lenovo



中国中央电视台新台址 New Site of CCTV



国家体育馆(2008北京奥运会主体育场)
National stadium (Main stadium of Beijing 2008 Olympic Games)



加拿大温哥华快乐公园项目
82288220 Westminter Hwy, Richmond,
B.C. Canada



阿联酋抗古拉项目
Lagula Tower located in U.A.E



乌克兰第聂伯办公楼
Luza'nyvka located in Ukraine



卡塔尔多哈高层办公楼
Commercial High-rise Building
located in Doha, Qatar



迪拜天阁高档住宅楼
skycourts Project located in Dubai, U.A.E



澳大利亚悉尼 BILLBERGIA项目
Billbergia located in Sydney, Australia



阿联酋阿杰曼项目
project located in Ajman,
U.A.E



锦州国际会议中心
International convention center, Jhziolu

● 实际应用(typical project):

© Dubai Sports City



© Westminster Hwy, Richmond Canada



© Commercial High-rise Building located in Doha, Qatar



© EMIRATES CITY, U.A.E



© Lagula Tower located in U.A.E



© Skycourts project in Dubai, U.A.E



© Bayswater Tower



© Profile Residence in Dubai Sports City



© Project located in Ajman, U.A.E



© MUDON ,in U.A.E

