



Consumer Electronics

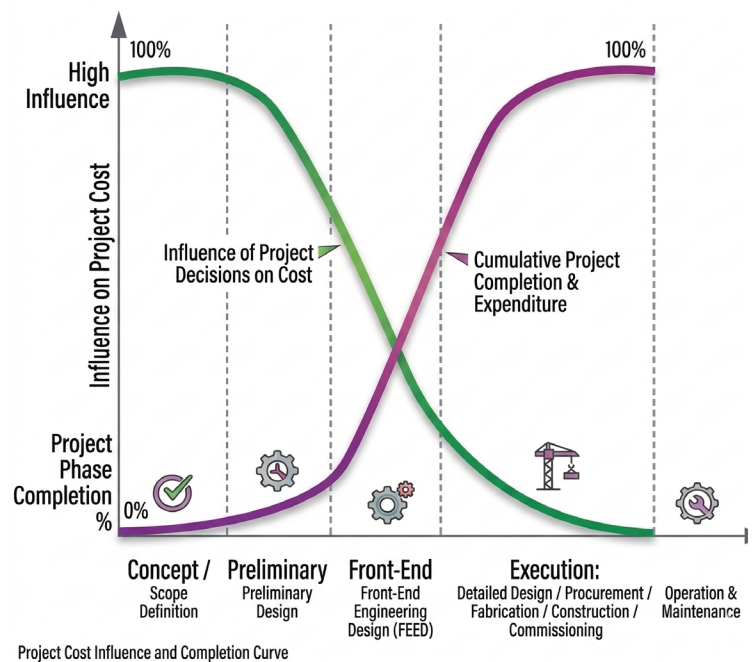
One-Stop Fastening & Connection Solutions



Industry Challenges

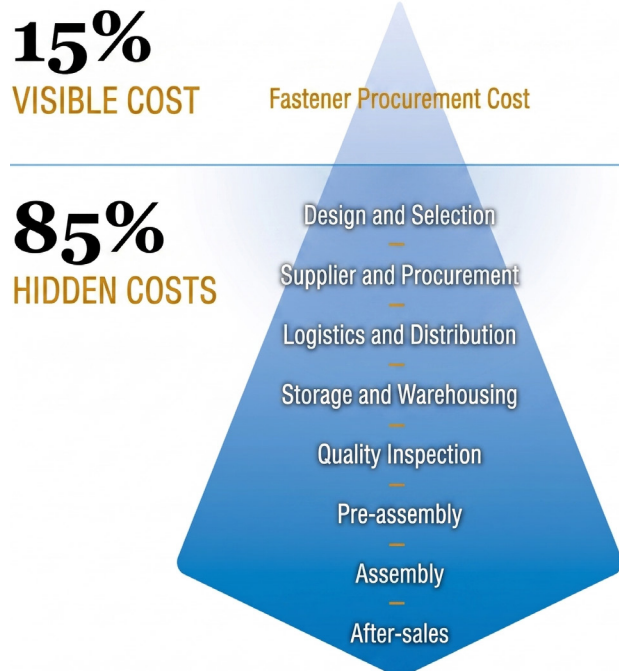
Project Cycle Cost Impact Model

In today's rapidly evolving society, the core challenge facing enterprise R&D lies in this paradox: the early-stage decision-making window is extremely narrow, yet it locks in the majority of costs; while substantial investments are made in the later stages, the cost of correcting mistakes becomes prohibitively high—resulting in a serious mismatch between risks and returns. This requires enterprises to make accurate judgments at the very early stage to address market uncertainty.



The 15-85 Law

Another challenge facing enterprises today is this: excessive focus on explicit procurement costs, while ignoring the implicit costs that account for 85% of the total. Enterprises often lack systematic coordination across design, supply chain, after-sales and other links, leading to high manufacturing costs, rework, quality and after-sales issues caused by early-stage decision-making errors—ultimately driving up the total cost of ownership (TCO) significantly.



Services Offered by ZCJ

Total Cost Optimization Expert from Prototype Design to After-Sales



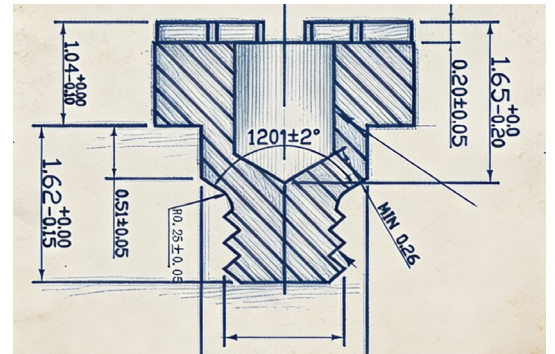
Rapid Prototypes



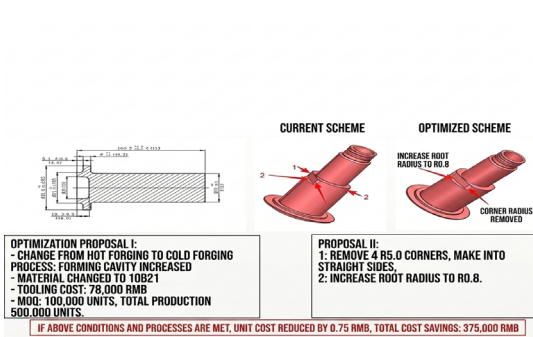
Professional Training



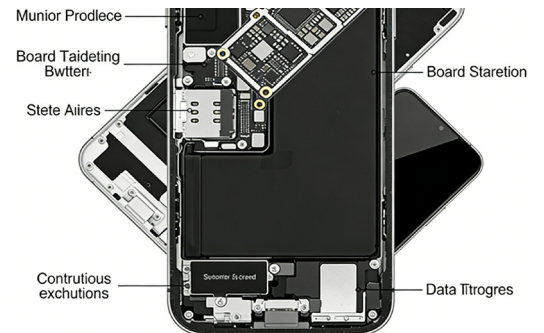
Professional Testing Services



Professional Design Consulting



Continuous Process Improvement



Professional Teardown & Analysis



Clinching Nuts (Nylon Locking)



Locking, Sealing, and Ultra-thin Head Screws



Thread Reinforcing Inserts



PCB Applications, SMT, etc.

PCB Application

Tin-plated copper nuts and small plates are used for PCB soldering to form threaded connections and can also be applied for height spacing. Both can be supplied in tape & reel packaging.

High-current terminals are used in high-current applications to conduct electricity while connecting PCBs and forming reliable threaded connections. Threads (internal and external) can be pre-coated with adhesive for locking.



Clinching (Nylon Locking)

Clinching nuts are used for the fastening connection of sheet metal in consumer electronics. Some are embedded with nylon to achieve locking and anti-loosening.

They are installed using clinching equipment.



Thread Inserts

Thread Inserts are used to strengthen threaded holes in plastic parts for consumer electronics, and allow repeated assembly and disassembly of screws.

Materials for inserts include brass, stainless steel, titanium alloy, etc.



Locking, Sealing, Ultra-thin Head Screws

Screws achieve locking via anti-loosening serrations under the head and pre-applied thread locking adhesive (chemical & physical).

Meanwhile, screws also can be manufactured with ultra-thin head styles such as CD threads, JIS slots, Y-slots, etc.

Bolts can also be pre-coated with adhesive under the head or on the threads, or fitted with sealing washers to achieve sealing up to IP68.



YF Zhichengjia Precision Hardware (Shenzhen) Co., Ltd

Address: No.13 Zhongxing Rd., Kengzi Sub-district, Pingshan New District, Shenzhen, China

Landline: 0755-84061349

ZCJ Metal Technology (Xiangyang) Co., Ltd

Address: Sancha Road Economic Development Zone, Chengguan Town, Gucheng County, Xiangyang, Hubei, China

Landline: 0710-7269998

PT Toprecision Fastening Insonesia

Adress: Jl,Interchange tol dawuan No.10,CIKAMPEK-41373,Jawabarat, Indonesia

Website: www.zcjtech.com