



Namitei

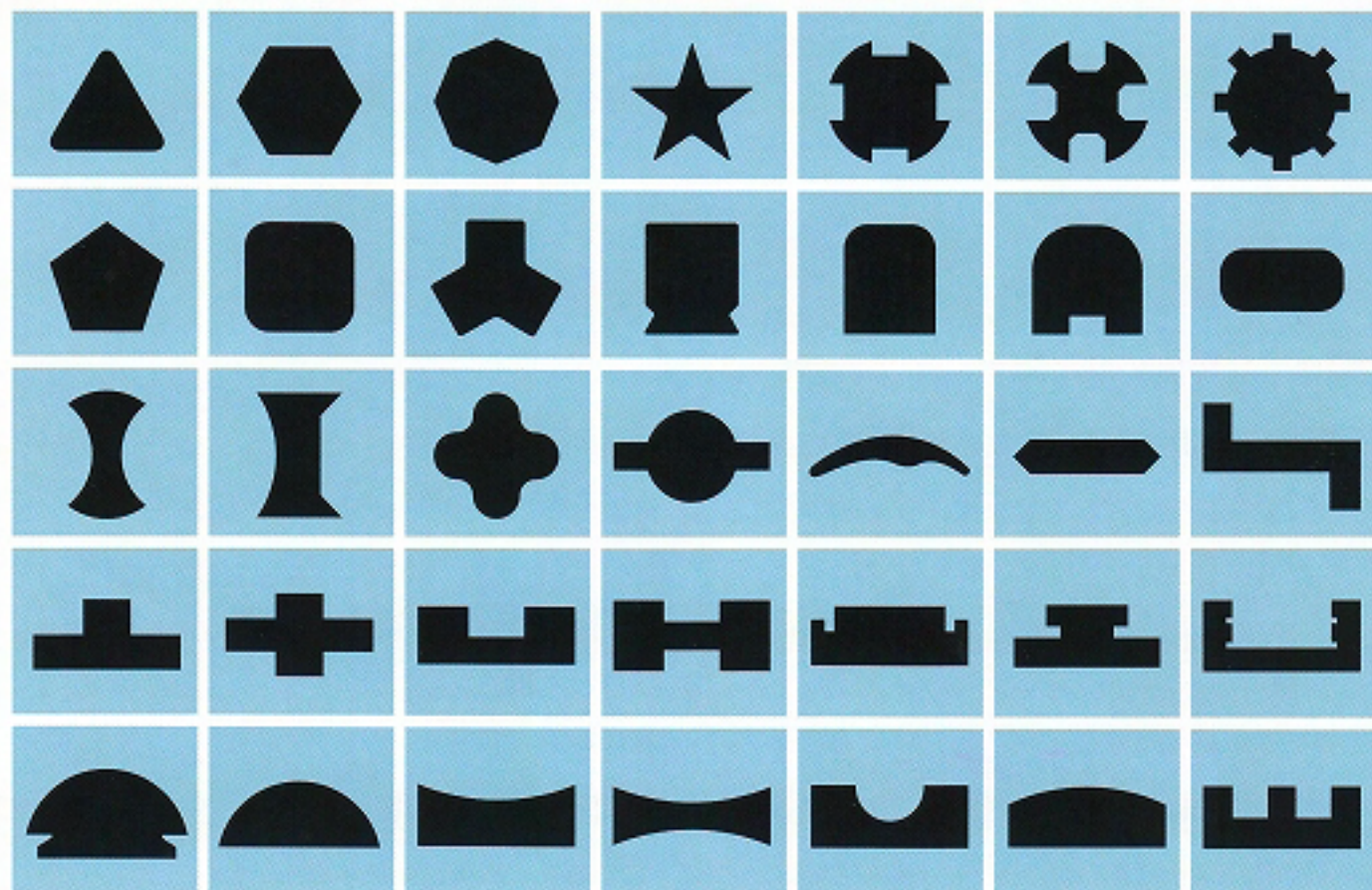


異形線で画期的なコストダウン

ナミテイは、自動車関連や建築関連・電化製品関連といった身近なものから、光海底ケーブル用保護鉄線(名称：鉄三分割個片)など世界的な規模に至る異形線・冷間圧造用鋼線及びこれらを利用した部品の製造・販売を行っております。異形線とは、丸・四角・六角といった一般的な断面形状ではなく、お客様のご希望に応じたさまざまな断面形状で、ご利用のメリットとして切削・圧造・プレス工程の省略・省力化及び金型寿命の向上、またナミテイ独自の異形線による冷間圧造技術を駆使し熱間鍛造品の冷間圧造化など、さまざまな面において画期的なコストダウンをご提供します。

ナミテイ株式会社

異型線断面形状



製造可能範囲 <厚さ> : 1mm~20mm
<幅> : 3mm~40mm

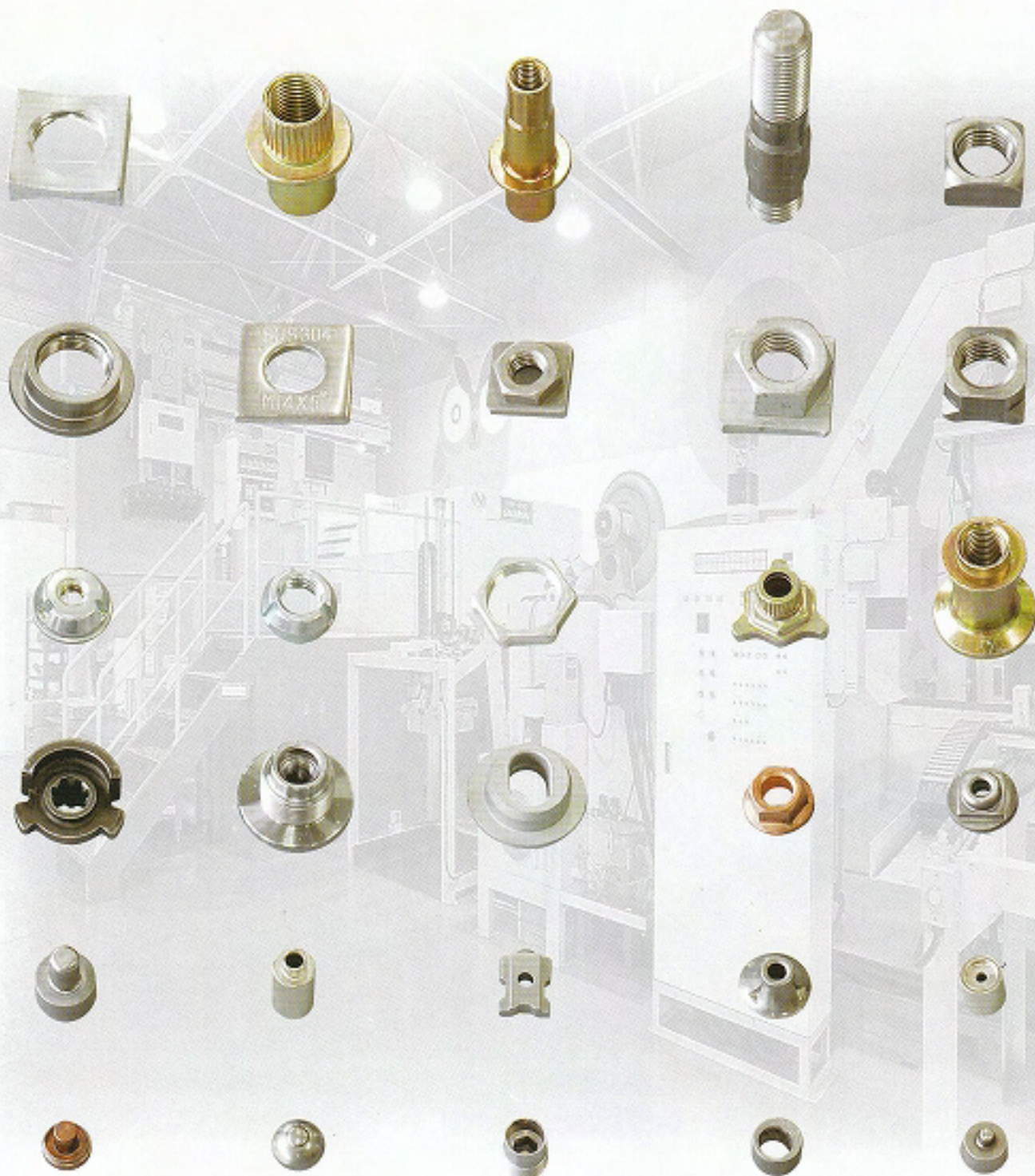
あらゆるイメージを形にします。

異型線を中心とした線材2次加工製品は、少量受注生産によるリスク負担の軽減と、切削・圧造工程等の後工程を省略・省力化することにより、トータルコストの軽減を可能にします。



あらゆるイメージを形にします。

当社では伸線加工（線材加工全般）から部品加工までを一貫生産します。要求される機能、特性に合った最適な素材選定、工程設計をもって、高品質な製品を提供致します。

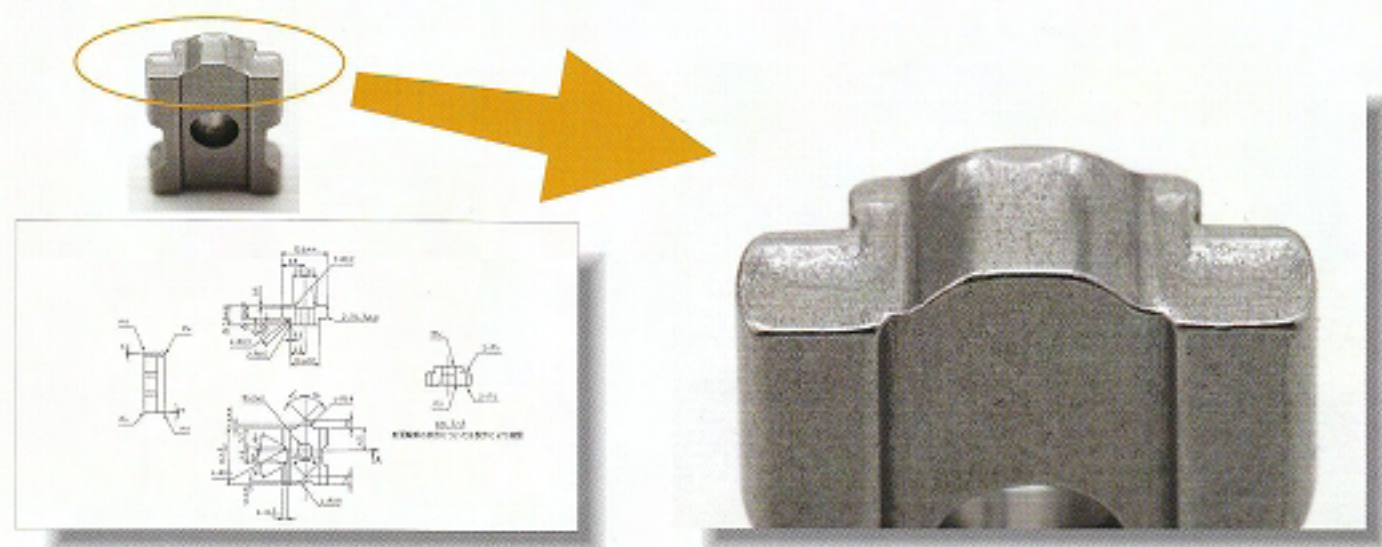


製作依頼から物流までの流れ

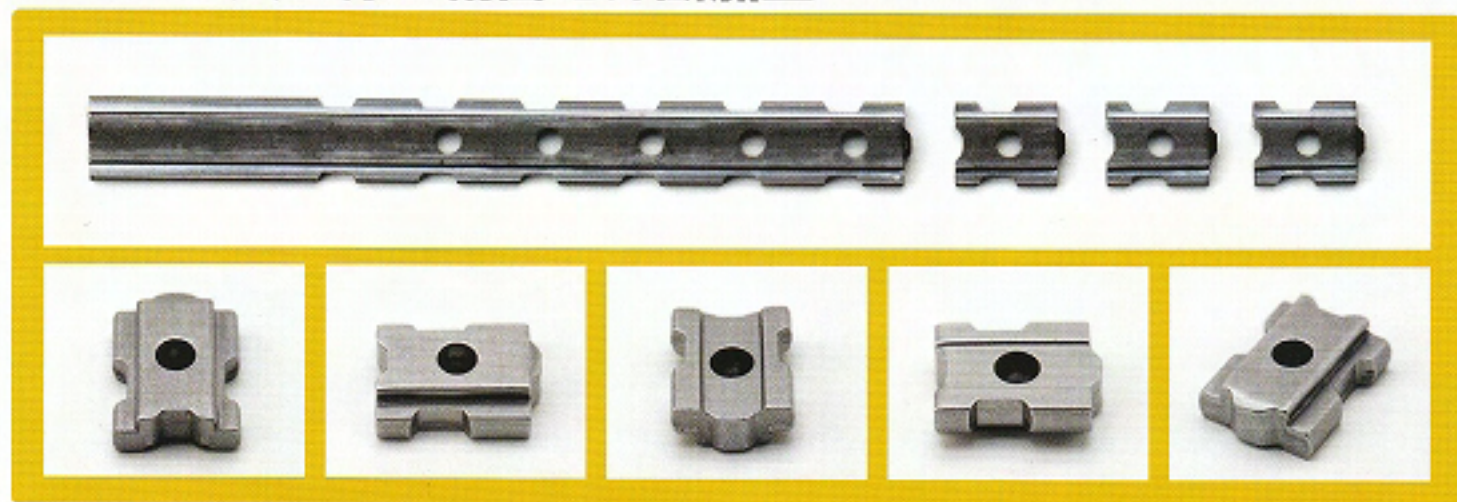


精密せん断加工

切断面における破断面の付加価値を高める加工法



ナミテイ異型線と精密せん断加工



従来の加工技術との比較

従来の加工技術		問題点
加工方法		
従来型プレス切断	→	バリ・ダレ・粗さ・歩留り
切削による切断	→	バリ・打痕・量産・コスト
焼結による成形	→	耐衝撃性
鍛造	→	形状の制約
MIM成形	→	コスト・量産

精密せん断加工	
異型線材	+ 精密せん断
全せん断面	形状精度
バリレス	
面粗度	ダレレス
直角度	

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Masatsugu Murao, President



UNIQUE HETEROTYPICAL WIRE TECHNOLOGY FOR THE PRESSURE- PROOF LAYERS OF OPTICAL-FIBER SUBMARINE CABLE

NAMITEI mainly manufactures deformed steel wire, which are widely used in industrial fields such as the electric industry, communications, machinery, shipbuilding, civil engineering, and OA equipment. There are various shapes available including triangular, square, hexagonal, and other are possible according to user requirements. These deformed wires make it possible to omit conventional cutting and other machine processing steps. They can be used as they are, which results in sharp cost reductions.

The most advanced technique deformed wires are called "3-division wire." This is used as the pressure-proof layer for optical submarine cable. In 1985, "The Third Pacific Ocean Submarine Cable" was installed with optical fiber technology for the first time between Japan and USA. The company

participated in this large development project, and developed deformed wire as the pressure-proof layer. The wire is to protect the fine optical fibers installed at the bottom of the Pacific Ocean from the water pressure of maximum 800 atm, and has a 3-division narrow pipe shape in which optical fibers are converged and wrapped to form a pipe. High dimensional accuracy and high strength are required, and high accuracy for 100km lengths of cable as well as the highest quality are also important.

In addition to deformed wires, the company has some original products. Recently, "NAMIJET" was developed to clean in-line long lines and bars with high-pressure water at high speed. It is highly regarded as an environmentally-friendly product that meets the environmental requirements and regulations.

- Founded: 1945
- Capital: ¥30,000,000
- Number of employees: 80
- Major line of business: Deformed extrusions, PC steel wire twisted bars, rivet wires
- Top share products: Deformed wire for pressure-proof optical submarine cable (100%)

形状豊富な
バリエーション

低コストで
自由設計が可能

President name	Masatsugu Murao
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TEL	+81-6-6788-1131
FAX	+81-6-6788-1138
Foundation	1945
Capital	30,000,000 yen
Number of employees	52
Company URL	http://www.namitei.co.jp (Japanese only)
Major lines of business	Atypical wire, cold press-use steel wire, concrete reinforcement-use high-strength steel wire, grating-use heterotypic wire, cold press parts, cutting parts, high speed-compatible wire material-use cleaning device (Namijet System), information box lock internal lids
Top market share product	Optical undersea cable-use tripartite pieces (100%), grating-use heterotypic processing machines (30%)

A master of excellent irregular shaped processing technology

Namitei Co., Ltd. possesses excellent atypical wire processing technology and collaborates with material manufacturers in the joint development of ideal materials in order to provide its customers with products of a shape and quality that are optimized for their specific application demands.

Heterotypic wire is used for applications in a host of industries including automobiles, communications, shipbuilding, electrical equipment, civil engineering and construction. Moreover, there has been a recent surge in demand from

customers who are considering reducing or eliminating work processes and implementing other cost-cutting measures.

Representative examples of the Namitei's products are its steel tripartite pieces (irregularly shaped steel wire pieces), which are employed for communication-use optical fiber undersea cable use. This product was introduced in a program in the NHK TV series *Project X* (broadcast on February 14, 2003). So far, Namitei has provided a quantity of this product of sufficient length to encircle the earth four times. Meanwhile in the automotive sector, the company's products are employed as safety parts such as precision axle parts for occupant safety-use seat belts, and parts for steering wheels, seats, etc.

With regard to cold press parts, Namitei is making full use of its in-house developed technology and heterotypic wire manufacturing know-how to manufacture products that fully satisfy its customers. Although automotive parts have long been the mainstream items in this product category, recently cold press parts have also begun to be employed more widely for products closely related to daily living.

Namitei's motto is to aim to be number-one in customer satisfaction by providing the optimum shapes and quality to the functions our customers demand, and by keeping strictly to all deadlines without fail.