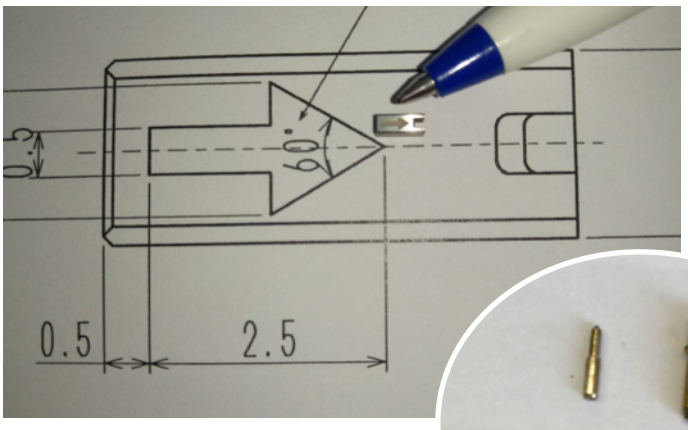
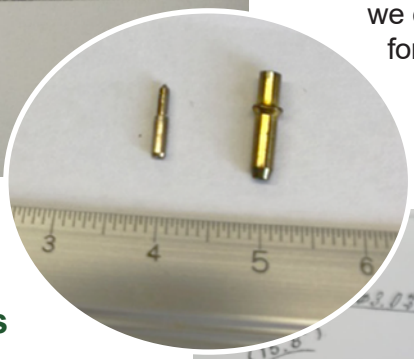
Long lifespan, Short lead time, High precision, & Low price

High Precision Machinery Jigs and Dies made of Tungsten Carbide





Manufacturing method:
Cold heading, Cold forging, Pressing

Materials:
Tungsten Carbide, Dies Steel

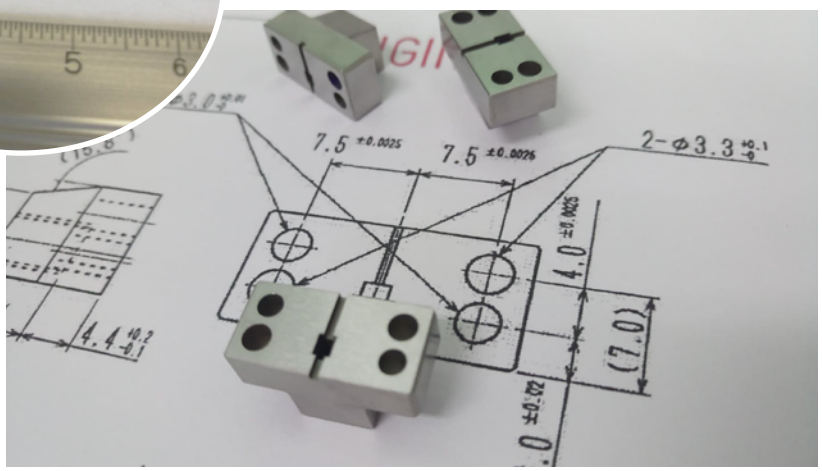
Through the effective use of tungsten carbide, we offer long-lasting, high-precision products for a low price with a short lead time.

Advantage of Tungsten Carbide:
Hardness, Modulus of High Elasticity, and excellent abrasion resistance

Performance:

- **Ball point pen tips**
- **High end bicycle parts**
- **The Die for the screw as the smallest in the world (Hole diameter: 0.24 mm)**

We have received high praise from our clients for our work making dies or jigs for **renowned European transfer machines** that produce precision parts including pen tips, bicycle parts, watch parts, and electric parts.



Tokyo Byora Koki Co., Ltd.

www.tbyk.co.jp/en/

1. Product

Jigs and dies require frequent replacement because transfer machines that produce large volumes of small-precision parts at high speeds wear them out. But because of the exceptional wear resistance of our jigs and dies, the machines can continue to make components effectively for a very long time without needing to replace them. We are professional, especially for Micro Hole and Deep Hole Processing and Super Precision Processing. To meet customers' requirements, including mass production, we always try to find and suggest the optimal processing method for them.

2. Advantages

- Using Tungsten Carbide effectively: Long lifespan, Affordable
- Mirror surface (or polished) finish for even micro hole or deep hole processing: Highly precision, Long lifespan
- Manufacturing and shipping from two bases, one in Japan and the other is in Thailand: Short lead time
- Materials are in stock, allowing for quick lead times of one to two weeks before shipping: Short lead time

3. Sales performance

Delivering dies or jigs to 25 foreign and 200 Japanese manufacturers of small electrical appliances, bearings, and automotive parts

4. Expected Sales Partners

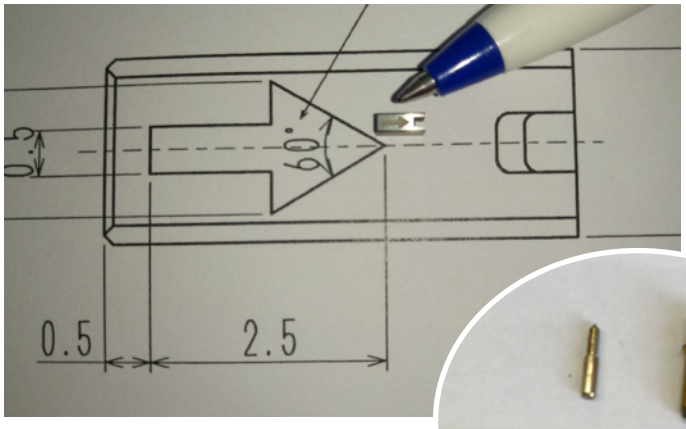
Companies that make bicycles, watches, or pens. Manufacturers of high-precision components for those.

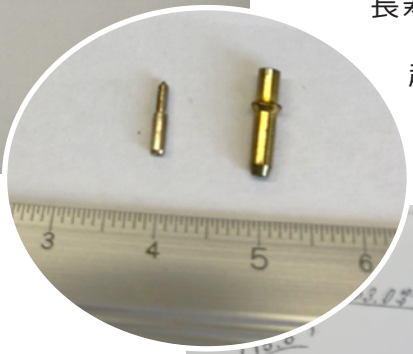
Tokyo SME SUPPORT CENTER

Please send your inquiry to: Tokyo SME Support Center
TEL +81-3-5822-7241 FAX +81-3-5822-7240 E-mail ttc@tokyo-kosha.or.jp
URL https://www.tokyo-kosha.or.jp/TTC/en/
Tokyo SME Support Center is founded by Tokyo Metropolitan Government to assist SMEs in Tokyo.

長寿命、短納期、高精度、低価格

超硬合金製 精密機械用治具・金型





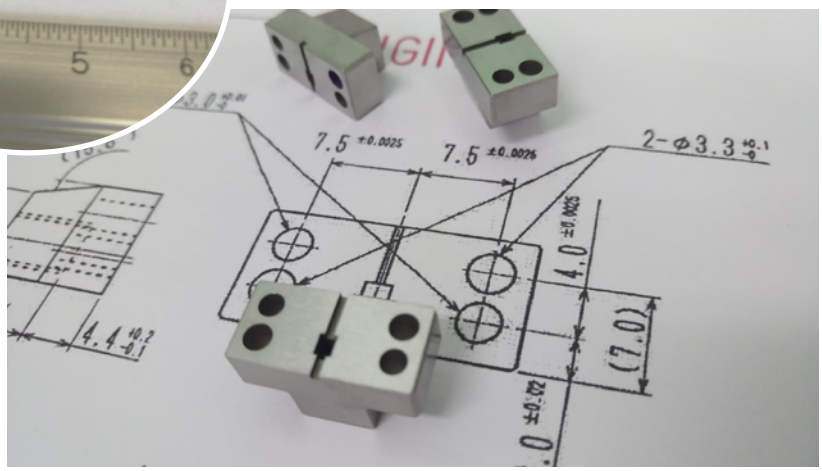
製法：冷間圧造加工、プレス加工
材料：超硬合金、ダイス鋼等

効果的に超硬合金を活用することで、
長寿命、高精度、低価格、短納期を実現

超硬合金の特長：
高い弾性率と硬度、優れた耐摩耗性

実 績：
ポールペンの先
高級自転車の部品
世界最小ねじ用金型（穴径 0.24㎜）

主に、ペン先や高級自転車、時計、電子部品等の精密小物部品の量産に使用される、世界的に有名な欧州製特殊プレス機のユーザーから金型作成の依頼を受け、高評価を得ています。



東京鋲螺工機株式会社

www.tbyk.co.jp

1. 製品について

高速での精密製造は消耗治具の交換が必須ですが、当社治具は、高速で行われる精密製造においても耐摩耗性に優れている為、長期にわたり効率的に部品を製造することが可能です。
当社は微細・深穴加工、超精密加工を得意とします。お客様の様々なご要望に合わせた提案、最適な加工方法の選択、量産化も行っています。

2. 製品の特長

- 超硬合金を効果的に活用：長寿命、低価格
- 微細・深穴でも鏡面仕上げ：高精度、長寿命
- 日本とタイ工場の 2 拠点で製造出荷可能：短納期
- 材料を在庫することで、リードタイム 1－2 週間で出荷可能：短納期

3. 販売実績

小型電気器具、ベアリング、自動車部品メーカー等、日本国内約 200 社、海外 25 社へ納品

4. 求める取引先

ペン先、自転車、時計等の製造メーカー、及びそれらと取引のある高精度部品製造メーカー

2022 年 8 月 19 日

Tokyo SME SUPPORT CENTER

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