

Tien-i

INTRODUCTION

- In 2004, Tien-I founder Larry and Shaio-Pao, along with 10 partners, established a socket manufacturer in Taichung, Taiwan. They believed the market would value high-quality tools made in Taiwan.

After decades, Tien-I now supplies global clients with over 20,000 items, including socket tool kits, impact sockets, air chisels, tube tools, and automotive tools.

Today, top tool companies from EURO and the United States, plus major industries like aviation, car repair, bike, contrsuction and even solar power, trust Tien-I products. Plus, international Taiwan and Japanese machine makers with their tool needs.

If you seek not just another supplier but a long-term partner committed to quality tool development, Tien-I could be your choice.




- 100% Made in Taiwan Hand Tools Manufacturing.

In order to swiftly provide the products to companies all over the world, we are continuously increasing our manufacturing capacity in Taiwan. We have heavily invested in the machines and molds to keep optimizing our production process. Managing our supply chain management via IT and ERP systems enables us to provide our global clients with over 20,000 SKU daily.

1

MATERIAL

Material source is the key to quality. Tien-I is a member of China Steel Corporation (CSC), the leading steel company in Taiwan.



2

FORGING

With cold forging, placing, and hot forging, we can supply in time with quality and keep cost competitive.



3

LATHE PROCESSING

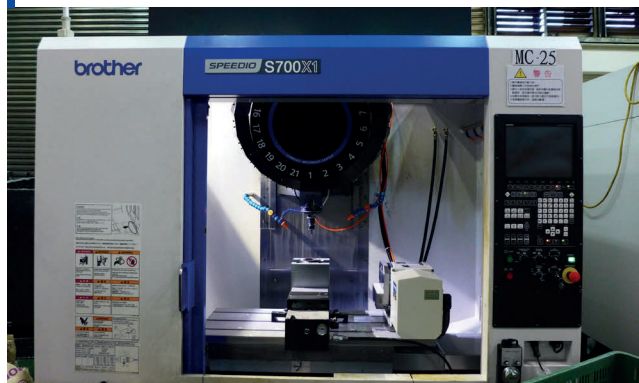
lathe with semi-automatic cutting machine is more suitable for simple shaping.

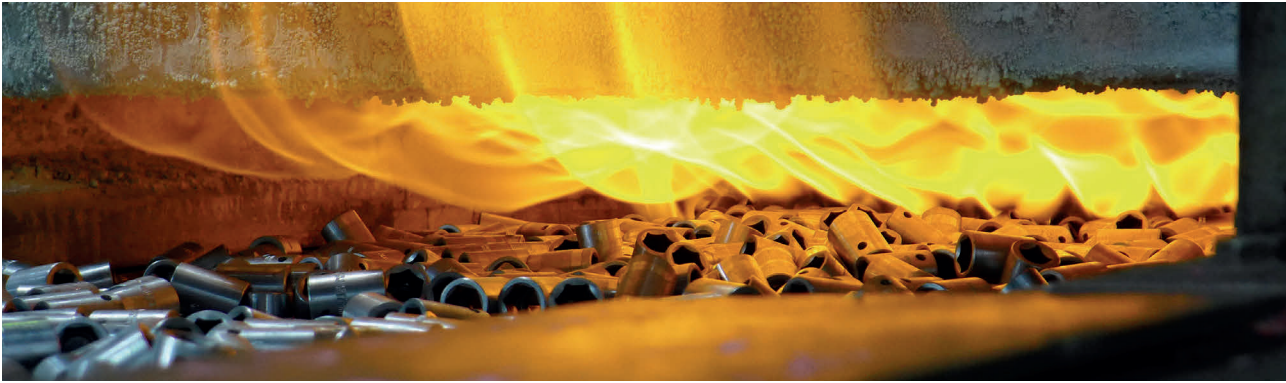


4

CNC

CNC lathe is using controller to communicate between computer and lathe machine to achieve accurate and large lathe stable production.





5

HEAT-TREATMENT

Treating materials with heat alters its stability and, in some cases, its chemical properties. Suitable heat treatment can strike the perfect balance between cost and longevity.

Tien-I performs three main types of heat treatment:

- Continuous Furnace
- Batch Furnace
- Vacuum Furnace

6

VIBRATING

Vibrating is the key process before plating in order to make the surface smoothly.



7

ELECTROPLATING

Electroplating is to produce a metal coating in order to protect the metal from rusting and to keep it shining.



8

STORAGE AND LOGISTIC

Help our customer store and manage the thousands SKU inventory and arrange the delivery to the market.



- We use these equipment to maintain product quality.

SALT SPRAY MACHINE

Salt Spray Machine to test the quality of surface treatment.



TORQUE TEST MACHINE

Torsion Test Machine to test the torque of component.



HARDNESS TEST MACHINE

Hardness test Machine to measure the hardness of componets (HRC).



OPTICAL PROJECTOR

Optical Projector to measure the precise dimension in um level.



MEASURE SPECIFICATION

Measure the spec in different angle and depth by gague and caliper.



GAUGE ALL SIZES

ANSI/ASTM, DIN, or ISO standards.
Size gauges for Hex, STAR, Spline...profiles.



QUALITY REPORTS AND TRACEABILITY

- Every shipment is traceable. Upon request, we can provide quality reports tailored for you and your clients. We are dedicated to safeguarding your confidential and sensitive information at all times.



MATERIAL WE USE

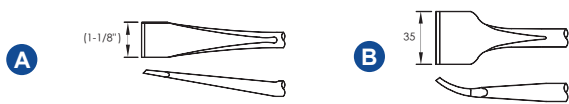
We understand that manufacturing quality tools requires the proper materials. That's why we are happy to provide you with the origin and chemical properties certificates of raw materials.
(TEST CERTIFICATE & COO)

Tien-I has extensive expertise in metal components involving all grades of alloy steels, including 50BV30, SCM440, and SNCM439, S45C, and 8660.



SCRAPER

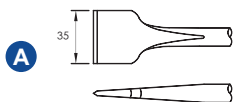
PNEUMATIC ANGLE SCRAPER



ITEM NO.	Drawing	L (inch)	G
PC202101	A	8"	188
PC457101	A	18"	429
PC178102	B	7"	180

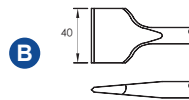
>> Remove gaskets,rust, under coating and paint

WIDE FLAT CHISEL 35mm



ITEM NO.	Drawing	L (inch)	G
PC178103-35	A	7"	174

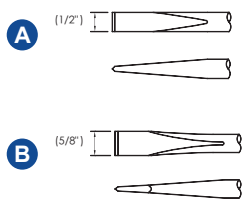
WIDE FLAT CHISEL 40mm



ITEM NO.	Drawing	L (inch)	G
PC178103-40	B	7"	179
PC254103-40	B	10"	268

>> Remove gaskets,rust, under coating and paint

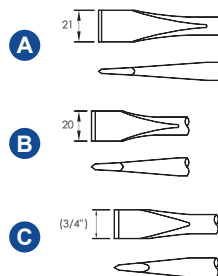
COLD CHISEL



ITEM NO.	Drawing	L (inch)	G
PC165104-16	B	6-1/2"	150
PC178104-13	A	7"	149
PC202104-16	B	8"	186
PC265104-16	B	10-1/2"	249
PC457104-16	B	18"	434

>> Cut nuts, bolts, extraust brackets and frame members

FLAT CHISEL



ITEM NO.	Drawing	L (inch)	G
PC120104-21	A	5"	102
PC178104-21	A	7"	164
PC280104-21	A	11"	263
PC457104-21	A	18"	438
PC254104-20	B	10"	237
PC457104-19	C	18"	439
PC280104-19	C	11"	263
PC150105	C	6"	130

Socket & Wrench

Impact Socket

Air Chisels

Automotive Tools

OUR PROMISES

How to Supply Consistent Quality

Providing reliable quality and secure tool is Tien-I core value as the manufacturer. To do so, Tien-I QC team have attended SGS training program. Tien-I products are fully up to DIN, ISO, and ANSI/ASTM international standards.

Seeing is believing. Welcome to visit our factory and meet our QC. Team.



Environmental Friendly Plating

The surface treatment improve durability and appearance. However, the traditional plating may cause serious environmental issue.

We hope to supply the products with quality as well as green. That's why Tien-I choose the qualified plating factories complying with the government environmental regulation and international ROHS requirements.



Material Quality

Right material is critical for quality tool and that's why we can offer the origin and chemical properties certificates of raw material for you. Tien-I has extensive expertise in metal components involving all grades of alloy steels, such as 50BV30, SCM440, and SNCM439, S45C, 8660...etc.

The material source is key. Tien-I is the member of China Steel Corporation (CSC), the largest and highest quality steel company in Taiwan. We also cooperated with other excellent international steel companies including Nippon Steel Corporation in order to provide special alloy steel for your various designs.



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NIPPON STEEL





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