



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, construction 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

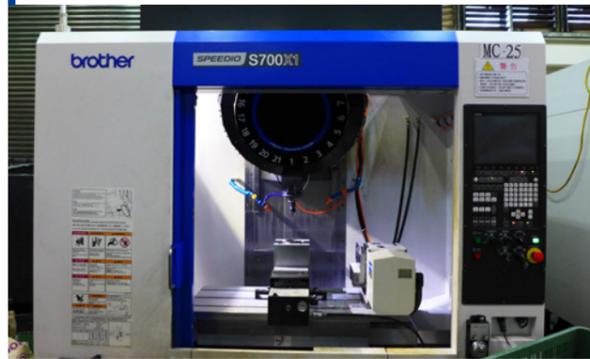
lathe with semi-automatic cutting machine is more suitable for simple shaping.



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

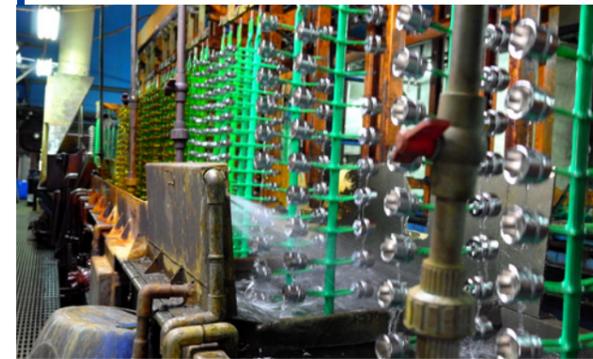
Vibrating is the key process before plating in order to make the surface smoothly.



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.



- 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.



1/4"DR. 2-WAY WOBBLE EXTENSION BAR

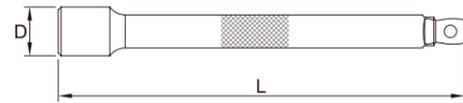
1/4"



ITEM NO.	L (mm)	L (inch)	D (mm)	G
X2WCR202	50	2"	12	25
X2WCR203	75	3"	12	35
X2WCR204	100	4"	12	50
X2WCR206	150	6"	12	64
X2WCR210	250	10"	12	95
X2WCR212	305	12"	12	115

3/8"DR. 2-WAY WOBBLE EXTENSION BAR

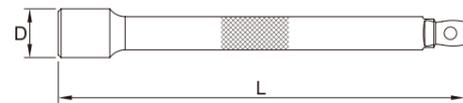
3/8"



ITEM NO.	L (mm)	L (inch)	D (mm)	G
X2WCR302	43	1-3/4"	18	38
X2WCR303	75	3"	18	74
X2WCR306	150	6"	18	144
X2WCR310	250	10"	18	236
X2WCR312	305	12"	18	305
X2WCR318	457	18"	18	400

1/2"DR. 2-WAY WOBBLE EXTENSION BAR

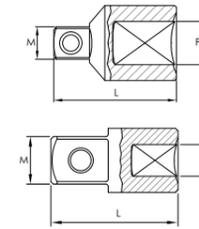
1/2"



ITEM NO.	L (mm)	L (inch)	D (mm)	G
X2WCR402	50	2"	24	100
X2WCR403	75	3"	24	120
X2WCR405	125	5"	24	220
X2WCR410	250	10"	24	426
X2WCR415	380	15"	24	610
X2WCR418	457	18"	24	735
X2WCR424	610	24"	24	990

ADAPTOR

ADAPTOR

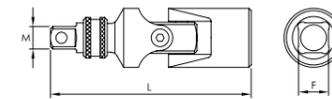


ITEM NO.	F (female)	M (male)	L (mm)	G
FCR203	1/4"	3/8"	27	21
FCR304	3/8"	1/2"	36	46
FCR406	1/2"	3/4"	54.5	187
FCR608	3/4"	1"	58	319

ITEM NO.	F (female)	M (male)	L (mm)	G
FCR302	3/8"	1/4"	27	21
FCR403	1/2"	3/8"	36	46
FCR604	3/4"	1/2"	54.5	187

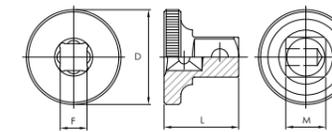
QUICK-RELEASE UNIVERSAL JOINT ADAPTOR

Patent



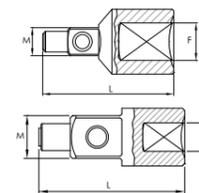
ITEM NO.	F (female)	M (male)	L (mm)	G
UJQM304	3/8"	1/2"	90	61
UJQM403	1/2"	3/8"	80	63

QUICK ADAPTOR



ITEM NO.	F (female)	M (male)	D (mm)	L (mm)	G
FCO203	1/4"	3/8"	28	21	37
FCO304	3/8"	1/2"	36.3	28	73
FCO406	1/2"	3/4"	42.2	35	138

MAGNETIC ADAPTOR



ITEM NO.	F (female)	M (male)	L (mm)	G
FMGE302	3/8"	1/4"	36	27
FMGE403	1/2"	3/8"	45	54
FMGE604	3/4"	1/2"	62	150

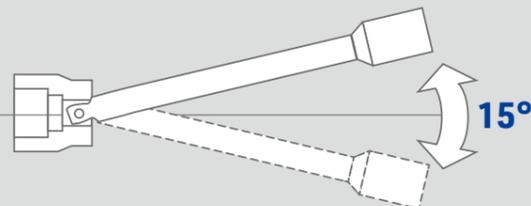
ITEM NO.	F (female)	M (male)	L (mm)	G
FMGE203	1/4"	3/8"	35	18
FMGE304	3/8"	1/2"	45	49
FMGE406	1/2"	3/4"	62	145

Information

2-WAY WOBBLE DESIGN



Inserted Fully into square hole, the extensions offer fixed extension bar.



Inserted Partially into square hole, the extensions offer wobble functionality perfect for confined areas.