

## **Capabilities**

Chyuan Chiao is a leading Chinese custom manufacturer of hermetically sealed (GTMS or glass-to-metal seal) connectors, headers, terminals, and microelectronic packages. Designed by our customers or in conjunction with Chyuan Chiao - our custom products withstand the most severe environments imaginable. Chyuan Chiao custom glass-to-metal seal products are used for aerospace, defense, and industrial applications.

## **Metal Fabrication :**

Capable of providing GTMS products using the latest CNC machining centers to create shells and metal housings from Kovar, Nickel Alloy, Stainless Steel, CRS, Mumetal, HyMu80, Aluminum. Electrodes and contacts: Nickel Alloy, Kovar, Stainless Steel. Explosive-bonded dissimilar metal housings.

## **Tool Shop :**

Equipped to fabricate all tooling necessary to support the products manufactured: Glass dies, punch pre dies, assembly tooling , lead chop tooling, EDM, blank and draw dies.

## **Furnaces for GTMS Sealing/Brazing :**

Mass production sintering furnaces and ENG / sample sintering oven - Single glass beads and multi-pin beads

## **Cleaning :**

Complete capability for the chemical and mechanical removal of sealing oxides and passivation of metals.

## **Plating (NADCAP) :**

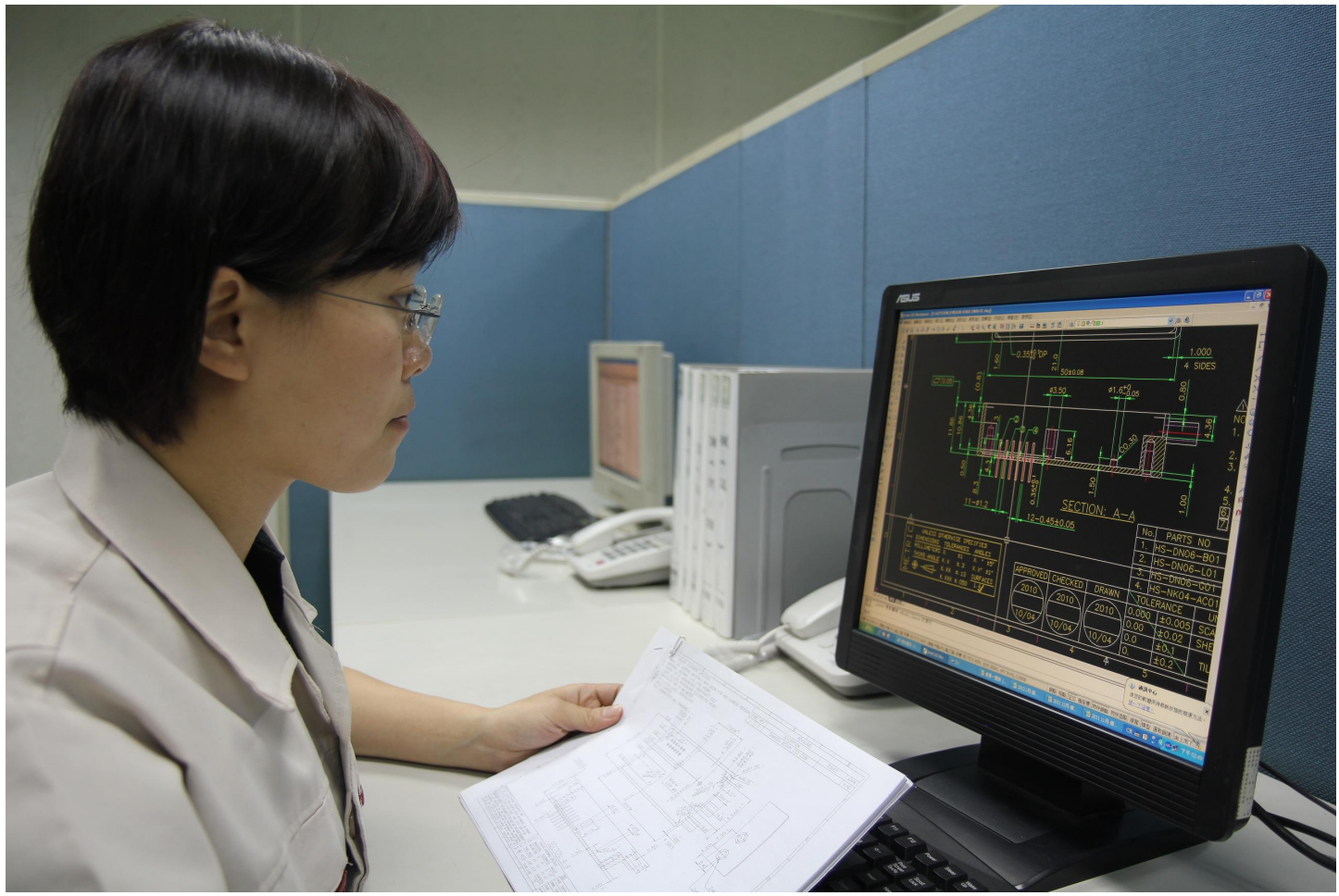
Nickel, Gold, Silver, Copper, Palladium, Pure Tin , Tin-Lead, Eni plating, Electropolishing of stainless steel. Verification of plating thickness and analysis - X-Ray fluorescent measurement equipment, atomic absorption spectrophotometer and CNC image measuring systems

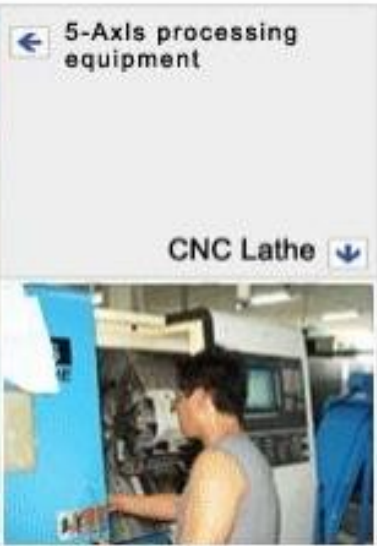
## **Quality Control :**

Our Quality System is ISO 9001.2008 (NSF) certified and has been approved for many major programs by many world leading companies

## **Inspection / Testing :**

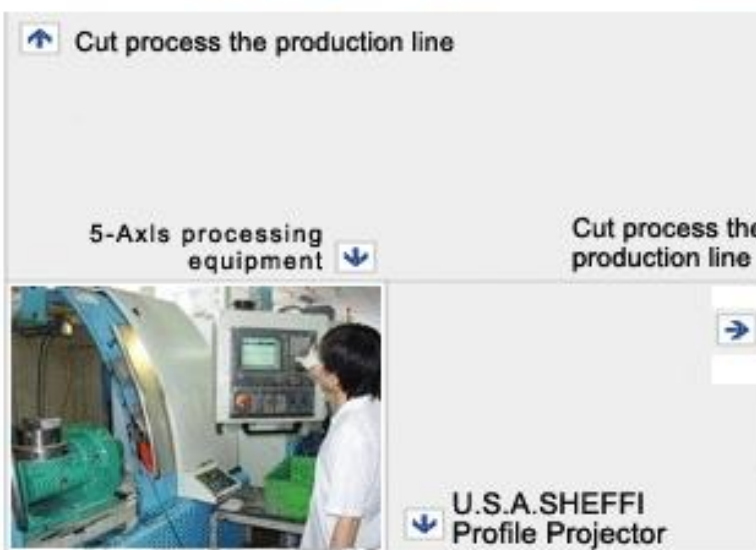
- \* Optical measuring machines
- \* Pressure testing
- \* Steam age / solderability testing
- \* Insulation resistance testing
- \* Thermal cycle / shock Testing
- \* Humidity testing
- \* High pot testing
- \* Hermeticity (leakage) testing





← 5-Axis processing equipment

CNC Lathe ↓



↑ Cut process the production line

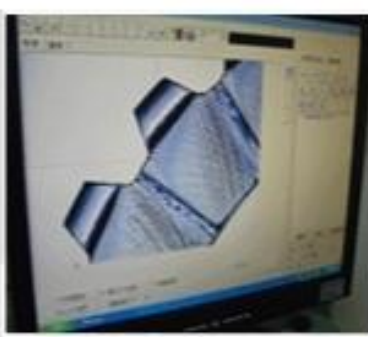
5-Axis processing equipment ↓

Cut process the production line

↓ U.S.A. SHEFFI Profile Projector



← 2.5D Video Measuring System



↑ Three points is examined

← Analyze high video measuring system







⚠ 警告

**注意事項**

- 電源ケーブルは必ず接地してください。
- 電源ケーブルの断線や破損により感電の恐れがあります。
- 電源ケーブルの断線や破損により感電の恐れがあります。

**取扱方法**

- 電源ケーブルの断線や破損により感電の恐れがあります。
- 電源ケーブルの断線や破損により感電の恐れがあります。

**注意事項**

- 電源ケーブルの断線や破損により感電の恐れがあります。
- 電源ケーブルの断線や破損により感電の恐れがあります。

The control panel features a circular gauge at the top with a needle and scale. Below the gauge are three rotary knobs, each with a scale. The bottom knob is a power switch. The brand name '尚誠人' and 'SHOJOSHIN' are printed at the bottom of the panel.







A photograph of a Helium Leak Detector (MSE-2000) on a white table. The device is white with a black base and a control panel on the right side featuring a screen and buttons. A sample chamber is on top. In the background, there is a large gas cylinder and a tissue box.

HELIUM LEAK DETECTOR  
MSE-2000



