

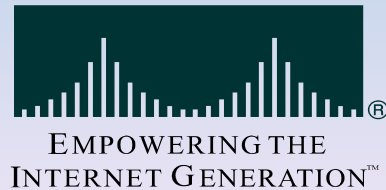
Typical Products

- **Network Enclosures** such as:
Switch, Bridge, Hub, Route...
- **ATM Enclosure**
- **Vending Machine Enclosures**
- **Power cabinet**
- **Electrical Display Enclosures**
for: LED panel
- **Computer Chassis**
- **Machined Parts** such as:
specialty handles and latches

Customer List



CISCO SYSTEMS



Engineering Capabilities

- ▶ OEM/ODM(RD from punch-tech)
- ▶ DFM
- ▶ Prototype
- ▶ Small or large volume
- ▶ Short lead time(2~7days)

Supplying

Manuf.	Finishing	Printing	Assemble	Testing	Packing
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- Stamping
- NCT
- LASER
- Bending
- Forming
- Welding

- Painting
- Plating
- Anodizing

- Silk-screen

- Installing
- Fastening
- Riveting
- TOX
- Ultrasonic Welding

- Hi-pot testing
- Functional testing

- Sealing
- Packing
- Pile up

Equipment List

No.	Equipment Name	Specifications	Quantity	Origion	Purchase Date	Status
1	NCT	ARIES255	1	Japan	Feb. 2003	Normal
2	NCT	2510C	1	Japan	Feb. 2003	Normal
3	NCT	HP1250	1	Taiwan	Apr. 2008	Normal
4	Bending	RG-100	2	Japan	Feb. 2003	Normal
6	Bending	RG-35S	1	Japan	Feb. 2003	Normal
7	Bending	FK-50	1	China	Jun. 2008	Normal
8	Riveting Gun	YK3540-150	4	Shenzhen	Jan. 2004	Normal
11	Tapping	SWJ-6	4	Hangzhou	Feb. 2003	Normal
13	Driller	2512B	4	Hangzhou	Feb. 2003	Normal
16	Welding (TIG)	WS-250	6	Oriental Yake	Feb. 2003	Normal
21	Al Welding Machine	WSE-350	1	Fenghuo Guangzhou	Jan. 2005	Normal
22	Spot Welding Machine	DN-25	2	ShenZhen	Feb. 2003	Normal
26	Sandblasting	90604	1	Dongguan	Feb. 2003	Normal
27	Polish Machine	LA-4000	1	Dongguan	Jul. 2004	Normal
28	Sample Furnace	1000X2000X700	1	ShenZhen	Feb. 2005	Normal
29	ESD assy room	10 ⁺⁸	1	100m ²	Apr. 2008	Normal
30	Painting line	220 meters	1	ShenZhen	Feb. 2003	Normal

Typical Materials - Specification 1

1. Material thickness

Material	Thickness, t (mm)	Machine used		
		t < 0.8mm	3.0mm > t > 0.8mm	t > 3.0mm
Copper Alloy	0.1 ~ 5.0	Wire cutting or stamping	CNC punching or stamping	machine
Aluminum Alloy	0,1 ~ 5.0	Wire cutting or stamping	CNC punching or stamping	machine
Steel (CRS,SECC, DX51D+Z)	0.1 ~ 3.0	Wire cutting or stamping	CNC punching or stamping	Laser or Wire cutting
Stainless steel	0.1 ~ 3.0	Wire cutting or stamping	CNC punching or stamping	Laser or Wire cutting

For punching process :

- Sus304-CSP-3/4H : min. 0.8mm
- Cold rolled plate: max. 3.0mm

Typical Materials - Specification 2

- 1. Minimum punching Hole size :
- Material Diameter of hole
- Steel $T*1.0$
- Aluminium $T*1.0$
- stainless steel $T*2.0$

- 2. Distance between holes edge: $D > 1.5 T$

Typical Materials - Specification 3

1. Min. bending length Vs. Min. distance from holes to bending edge

Thickness	t (mm)	1.0	1.2	1.5	2.0	2.3	3.0
Bending Length	L (mm)	≥ 3.5	≥ 4.2	≥ 5.5	≥ 7.0	≥ 7.5	≥ 9.5

2. Accuracy grade and Dimension tolerance

Min. tolerance $\pm 0.05\text{mm}$ (NCT)

Min. tolerance $\pm 0.10\text{mm}$ (BEND)

3. Min. bending radius $\geq 0.5\text{mm}$

4. Max. building length $< 3000\text{mm}$

Width $< 1250\text{mm}$

Equipment



Stamping



NCT



Bending



LASER machine
(From supplier)

Equipment



Painting



Plating



Anodizing



ESD ASSY

Product Examples



Product Examples



Product Examples



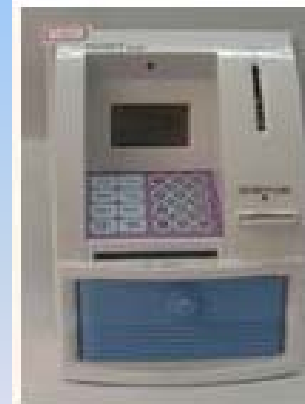
LED 电子显示屏



Product Examples



Product Examples



Process flow

