

Electronic Components

PRODUCT CATALOG



常利興業股份有限公司
COMFORTABLE ELECTRONIC CO., LTD.

COMPANY PROFILE

Comfortable Electronic Co., Ltd. (COMF) specializes in the production of Battery Holders, Battery Snaps and Plastic Injection Molding. Over 180 years, COMF has actively extended their product offering to include Coin Cell Holders, Battery Clips, Battery Contacts and Wire Assemblies. Always aiming to meet the client's need, COMF offers the best solution for design, development and production.

COMF has been a professional component manufacturer and designer for over 40 years, constantly developing and refining our products through our R&D team. We strive to provide quality at all levels of our organization and were an early adopter of ISO 9001 and ISO 14001 certification for our factories. Our products also comply to many international and regional standards such as RoHS and REACH. The Safety Battery Holders and the Battery Snaps innovated and made by us are patented in China, Japan, Thailand, Vietnam, New Zealand, Singapore, Malaysia, Indonesia, Taiwan, United States of America, United Kingdom and Germany.

Due to the good relations in regional ASEAN markets, COMF cooperated with a local company in Indonesia in 2011 and went into operation next year. Furthermore, 2014 economic benefits reached the target as we expected. For sustainable business, COMF expands the R&D team in Taiwan and will keep investing into the future.

常利興業以電池盒、電池扣及塑膠射出起家，近年來積極跨入周邊產品，如鐳電池盒、端子、連接器、五金薄片與線束產品。除提供標準化產品外，亦可依客戶需求，進行設計、開發與生產。

常利興業已有40年專業設計及製造經驗，通過ISO9001、ISO14001認證；並符合RoHS及REACH歐盟環保認證。常利興業不斷投入多款產品改良與研發，自80年起陸續取得英國、美國、日本、德國、泰國、越南、紐西蘭、新加坡、馬來西亞、印尼、中國、及台灣等多項專利權。

因應東協市場發展，及中國製造成本提高，常利興業自2011年與印尼廠商合作，並於2012開始投產。初步預期經濟效益已於2014年底達成。為達到永續經營，常利興業持續擴充工程人員與投資自動化生產設備項目，計畫在台灣充研發團隊與生產項目。



PRODUCT SPOTLIGHT



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HOW TO USE THIS CATALOG

電池盒電池扣號碼讀法如下圖所示

The method of reading the battery holder number is as shown below.
(Example)



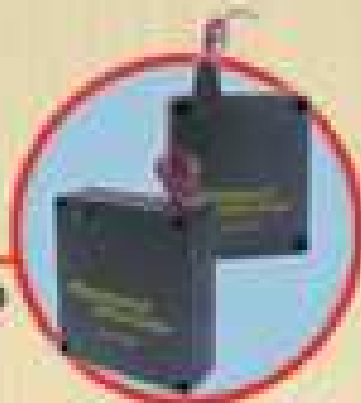
The method of reading the battery snap number is as shown below.
(Example)



TYPE	CRIMPING				CT-CRIMPING			
	PCB MOUNT	WIRE	SAFETY	WIRE MOUNT	PCB MOUNT	WIRE	SAFETY	WIRE MOUNT
I	SB-10	SB-10	SB-10-1	SB-10-1	SB-10CT	SB-10CT	SB-10CT-1	SB-10CT-1
II	SB-10	SB-10	SB-10-1	SB-10	SB-10CT	SB-10CT	SB-10CT-1	SB-10CT
III	SB-10	SB-10			SB-10CT	SB-10CT		
IV	SB-10				SB-10CT			

Patents:

Enclosed Battery Holder
Cylindrical Terminal Block and Battery Soap
Charger with Replaceable Signal Line for a Car
9V Power Pack and Charger
Battery Case Having Retaining Function
Waterproof Battery Case
Battery Case and Electrode Plate Set for Use in the Same



Product Series:

Battery Holder:

Offering the variety of battery size— D, C, AA, AAA, N, 9V, 1/2AA, 123A, 18650.

Coin Cell Holder:

Offering the variety of lithium cell size— CR2, CR4, CR5, CR23, CR24.

Battery Soap:

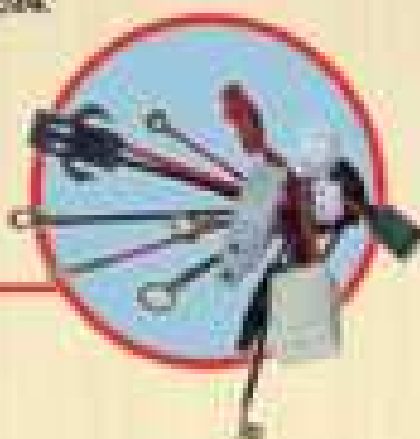
Offering the standard / customized soaps for 9V cell.

Battery Clip and Contact:

Offering the variety of battery clip for the coin cell size
CR4.8, CR6.8, CR12, CR16, CR20, CR24 and battery contacts.

Wire Harness and Assemblies

Offering OEM services to meet the demand of each customer.



新型專利產品:



電池盒類：封閉式電池盒、具固定功能之電池盒、防水電池盒、
端子線及其應用、套筒式線纜訂及其對應之電池扣、電池盒及其補片類、
充電線類、隨身充電盒、可更換式訊號線的車用充電裝置、
生產設備類：絲帶卷繞機。

電池盒系列產品

提供D, C, AA, AAA, N, 9V, 1/2AA, 123A, 18650等不同電池規格
與對應之塑膠類電池盒。

圓電池盒系列產品

提供CR12, CR16, CR20, CR24, 等不同直徑之塑膠類電池盒。

電池扣系列產品

針對9V電池提供標準系列塑膠電池扣。

金屬彈夾及金屬彈片

提供CR4.8, CR6.8, CR12, CR16, CR20, CR24等不同直徑規格之金屬彈夾；
提供凸凹式、彈簧式、舌片式各類金屬彈片。

線束線組系列產品

按客戶需求進行生產，並附加其他輸出控制元件。



UM- 1 or ' D ' SIZE or EQUIV

WU13-18 FOR 100% OF USE
WU13-18 FOR 100% OF USE




WU13-18 FOR 100% OF USE
WU13-18 FOR 100% OF USE




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WU13-18 FOR 100% OF USE




WU13-18 FOR 100% OF USE
WU13-18 FOR 100% OF USE




UM1-10 **UM1-10** **UM1-10**
UM1-10 **UM1-10** **UM1-10**



Part No.	UM1-10
QTY	1000
DATE	2009.1.10

UM1-10 **UM1-10** **UM1-10**
UM1-10 **UM1-10** **UM1-10**



Part No.	UM1-10
QTY	1000
DATE	2009.1.10

UM1-10 **UM1-10** **UM1-10**
UM1-10 **UM1-10** **UM1-10**



Part No.	UM1-10
QTY	1000
DATE	2009.1.10

UM1-10 **UM1-10** **UM1-10**
UM1-10 **UM1-10** **UM1-10**



Part No.	UM1-10
QTY	1000
DATE	2009.1.10

UM1-10 **UM1-10** **UM1-10**
UM1-10 **UM1-10** **UM1-10**



Part No.	UM1-10
QTY	1000
DATE	2009.1.10

UM1-10 **UM1-10** **UM1-10**
UM1-10 **UM1-10** **UM1-10**

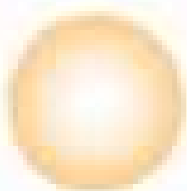


Part No.	UM1-10
QTY	1000
DATE	2009.1.10

UM1-10 **UM1-10** **UM1-10**
UM1-10 **UM1-10** **UM1-10**



Part No.	UM1-10
QTY	1000
DATE	2009.1.10



UM-2 or 'C' SIZE or EQUIV

SAFETY STOCK
SALE PRICE 1.99

WHELL-1A FOR UM-2 OR 'C' SIZE





WHELL-1B FOR UM-2 OR 'C' SIZE





WHELL-1C FOR UM-2 OR 'C' SIZE





WHELL-1D FOR UM-2 OR 'C' SIZE





WHELL-1E FOR UM-2 OR 'C' SIZE




WHELL-1F FOR UM-2 OR 'C' SIZE





WHELL-1G FOR UM-2 OR 'C' SIZE





WHELL-1H FOR UM-2 OR 'C' SIZE




WHELL-1I FOR UM-2 OR 'C' SIZE





WHELL-1J FOR UM-2 OR 'C' SIZE





WHELL-1K FOR UM-2 OR 'C' SIZE



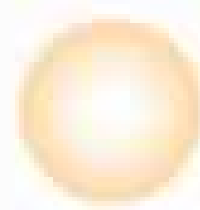


WHELL-1L FOR UM-2 OR 'C' SIZE





UM-2 or 'C' SIZE or EQUIV



UM- 3 or 'AA' SIZE or EQUIV



UM- 3 or AA' SIZE or EQUIV

040331-06 FOR UM-3000 14P 0.50MM
 040331-06 FOR UM-3000 14P 0.50MM
 040331-06 FOR UM-3000 14P 0.50MM



Part No.	040331-06
Part Name	UM-3000 14P 0.50MM
Material	PC
Color	Black
Quantity	1000

040332-06 FOR UM-3000 14P 0.50MM
 040332-06 FOR UM-3000 14P 0.50MM
 040332-06 FOR UM-3000 14P 0.50MM



Part No.	040332-06
Part Name	UM-3000 14P 0.50MM
Material	PC
Color	Black
Quantity	1000

040333-06 FOR UM-3000 14P 0.50MM
 040333-06 FOR UM-3000 14P 0.50MM
 040333-06 FOR UM-3000 14P 0.50MM



Part No.	040333-06
Part Name	UM-3000 14P 0.50MM
Material	PC
Color	Black
Quantity	1000

040334-06 FOR UM-3000 14P 0.50MM
 040334-06 FOR UM-3000 14P 0.50MM
 040334-06 FOR UM-3000 14P 0.50MM



Part No.	040334-06
Part Name	UM-3000 14P 0.50MM
Material	PC
Color	Black
Quantity	1000

040335-06 FOR UM-3000 14P 0.50MM
 040335-06 FOR UM-3000 14P 0.50MM
 040335-06 FOR UM-3000 14P 0.50MM



Part No.	040335-06
Part Name	UM-3000 14P 0.50MM
Material	PC
Color	Black
Quantity	1000

040336-06 FOR UM-3000 14P 0.50MM
 040336-06 FOR UM-3000 14P 0.50MM
 040336-06 FOR UM-3000 14P 0.50MM



Part No.	040336-06
Part Name	UM-3000 14P 0.50MM
Material	PC
Color	Black
Quantity	1000

040337-06 FOR UM-3000 14P 0.50MM
 040337-06 FOR UM-3000 14P 0.50MM
 040337-06 FOR UM-3000 14P 0.50MM



Part No.	040337-06
Part Name	UM-3000 14P 0.50MM
Material	PC
Color	Black
Quantity	1000

040338-06 FOR UM-3000 14P 0.50MM
 040338-06 FOR UM-3000 14P 0.50MM
 040338-06 FOR UM-3000 14P 0.50MM



Part No.	040338-06
Part Name	UM-3000 14P 0.50MM
Material	PC
Color	Black
Quantity	1000

040339-06 FOR UM-3000 14P 0.50MM
 040339-06 FOR UM-3000 14P 0.50MM
 040339-06 FOR UM-3000 14P 0.50MM



Part No.	040339-06
Part Name	UM-3000 14P 0.50MM
Material	PC
Color	Black
Quantity	1000

040340-06 FOR UM-3000 14P 0.50MM
 040340-06 FOR UM-3000 14P 0.50MM
 040340-06 FOR UM-3000 14P 0.50MM



Part No.	040340-06
Part Name	UM-3000 14P 0.50MM
Material	PC
Color	Black
Quantity	1000

040341-06 FOR UM-3000 14P 0.50MM
 040341-06 FOR UM-3000 14P 0.50MM
 040341-06 FOR UM-3000 14P 0.50MM



Part No.	040341-06
Part Name	UM-3000 14P 0.50MM
Material	PC
Color	Black
Quantity	1000

040342-06 FOR UM-3000 14P 0.50MM
 040342-06 FOR UM-3000 14P 0.50MM
 040342-06 FOR UM-3000 14P 0.50MM



Part No.	040342-06
Part Name	UM-3000 14P 0.50MM
Material	PC
Color	Black
Quantity	1000



UM-3 or AA SIZE or EQUIV



UM- 4 or 'AAA' SIZE or EQUIV



UM42Z 10x4.5x2.5mm (10x4.5x2.5mm)




UM42A 10x4.5x2.5mm (10x4.5x2.5mm)




UM42B 10x4.5x2.5mm (10x4.5x2.5mm)




UM42C 10x4.5x2.5mm (10x4.5x2.5mm)




UM42D 10x4.5x2.5mm (10x4.5x2.5mm)




UM42E 10x4.5x2.5mm (10x4.5x2.5mm)




UM42F 10x4.5x2.5mm (10x4.5x2.5mm)





UM- 5 or 'N' SIZE or EQUIV



OTHER BATTERY HOLDER

SAI ISO 9001
SAI ISO 14001





Patent of Battery Holder Contact:

TW PAT NO. M 485568

CH PAT NO. ZL 201420309549.4

GE PAT NO. Nr. 202014007329.5

ID PAT. NO. ID P000050964

SG PAT NO. 10201405520V

Patent Applications: US, UK, _____





Automatic Machines for Battery Holder Contact



SAFETY BATTERY HOLDER

SAI ISO 9001
SAI ISO 14001



SAFETY BATTERY HOLDER

SAI ISO 9001
SAI ISO 14001

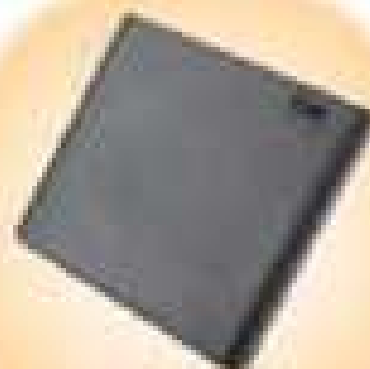






SAFETY BATTERY HOLDER

SAI ISO 9001
SAI ISO 14001

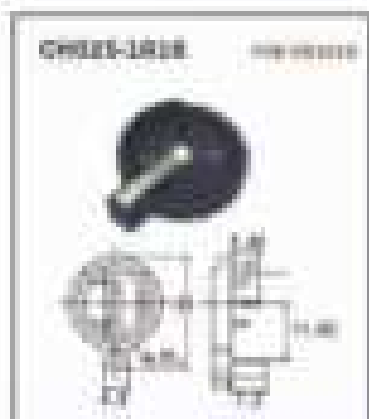


WATERPROOF BATTERY HOLDER

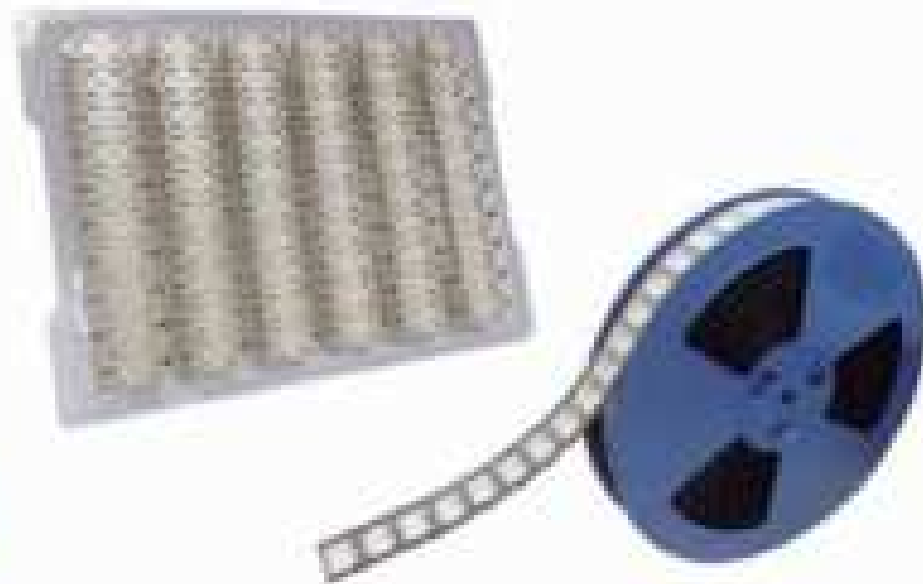
SAI ISO 9001
SAI ISO 14001



Patent of Waterproof Battery Holder:
TW PAT NO. M 523262
CN PAT NO. ZL201830197230.2
US PAT NO. US 10,096,584 B2







TYPE: I, E, T, P

PATENT OF BATTERY SNAP:

CRIMPING: CH - PAT NO. ZL 012 11734.3
TW - PAT NO. 88476
U.S. - PAT NO. 5,312,309
UK - PAT NO. 2277838
VN - PAT NO. H-0144
ZA - PAT NO. 94/2542

CT-CRIMPING: CH - PAT NO. ZL 012 24059.2
DE - PAT NO. W 901 50 120.3
TW - PAT NO. 259102
U.S. - PAT NO. 6,478,633B1

FOR 9V CELL

TYPE	CRIMPING			
	PVC, VINYL	RIGID		SAFETY
I	BS-IC 	BS-IR 	BS-IR-1 	SS-IR-1 
E	BS-EC 	BS-ER 	BS-ER-2 	SS-ER 
T	BS-TC 	BS-TR 	-----	-----
P	BS-PC 	-----	-----	-----

CYLINDRICAL TERMINAL RIVET (CT-CRIMPING)



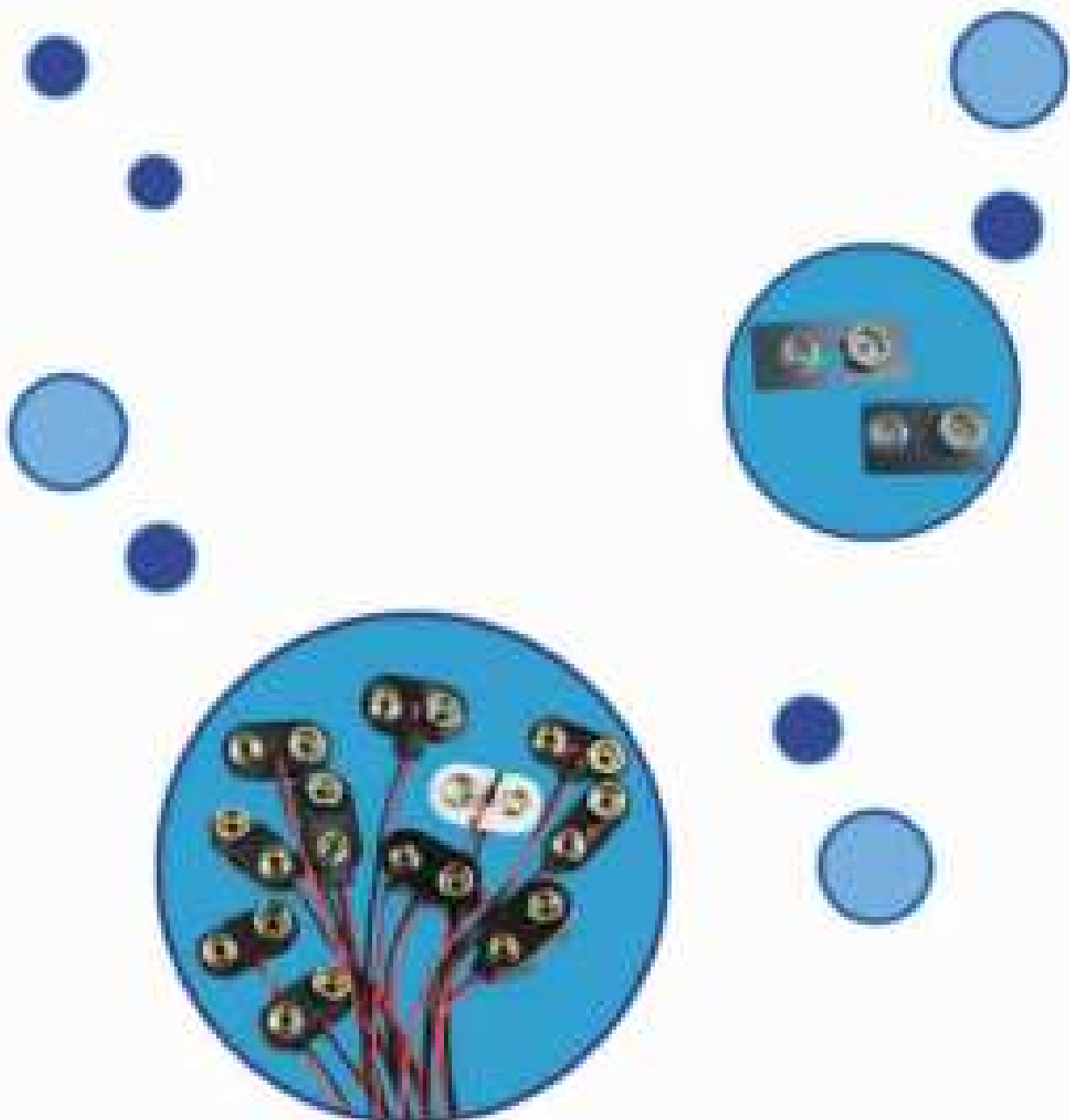
ADVANTAGES:

- LeadFree
- Prevent the foreign liquid spread into riveted spot.
- Increase the torque strength

FOR 3V CELL

TYPE	CT-CRIMPING			
	PVC, VINYL	RIGID		SAFETY
I	BS-100T 	BS-100T 	BS-100T-1 	SBS-100T-1 
E	BS-200T 	BS-200T 	BS-200T-1 	SBS-200T 
T	BS-200T 	BS-200T 	-----	-----
P	BS-PC0T 	-----	-----	-----









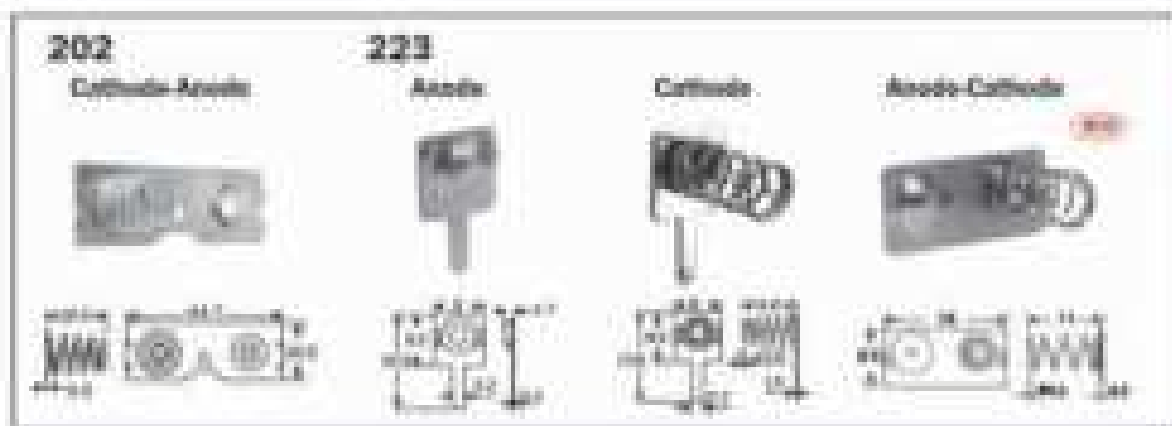
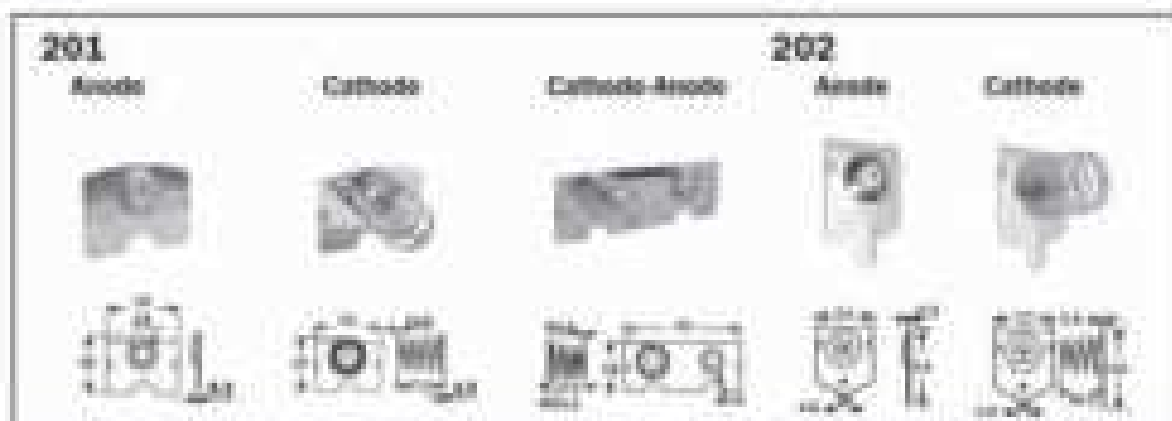


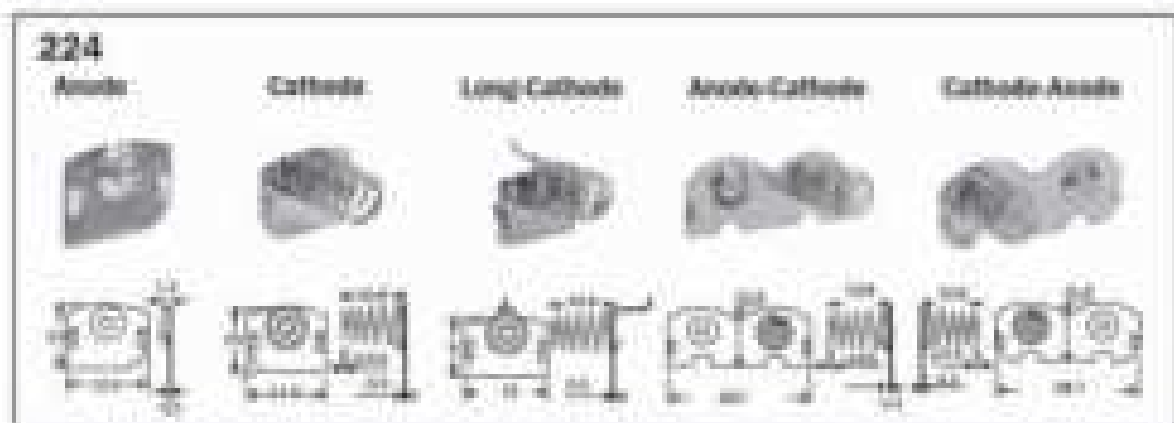
彈片平面度檢測 / 校正機
Flatness analyzer for battery clips

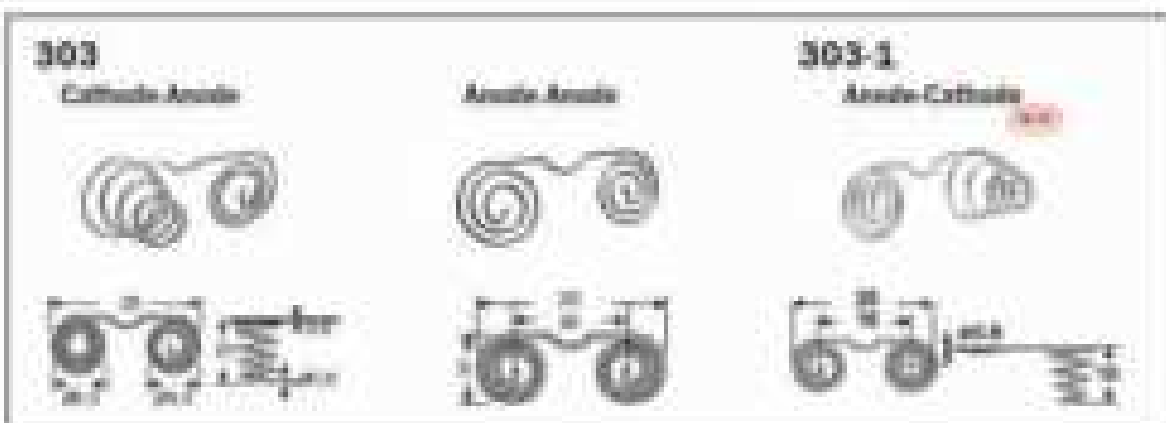
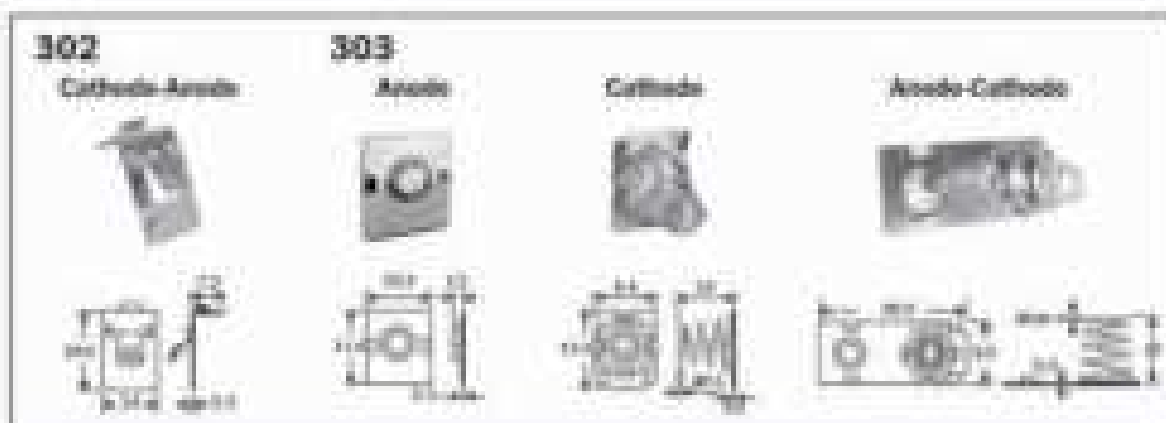
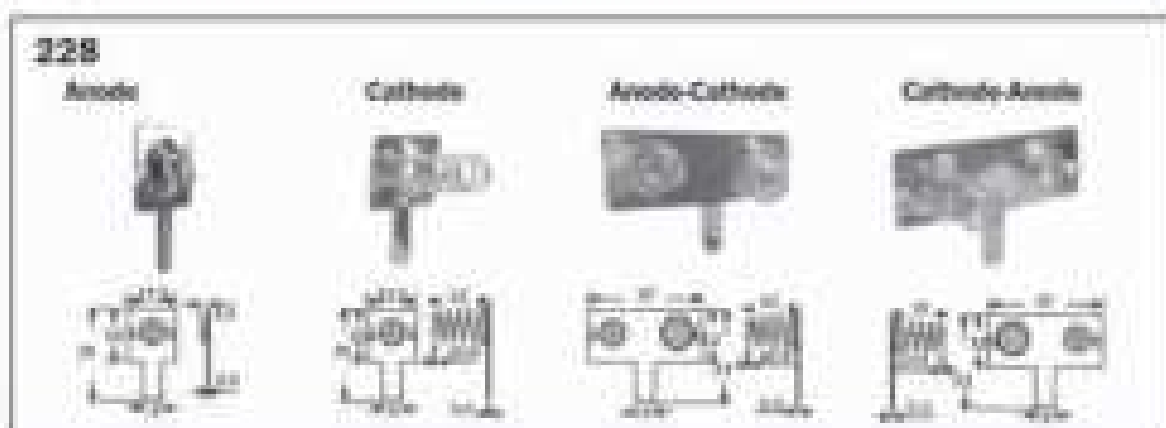


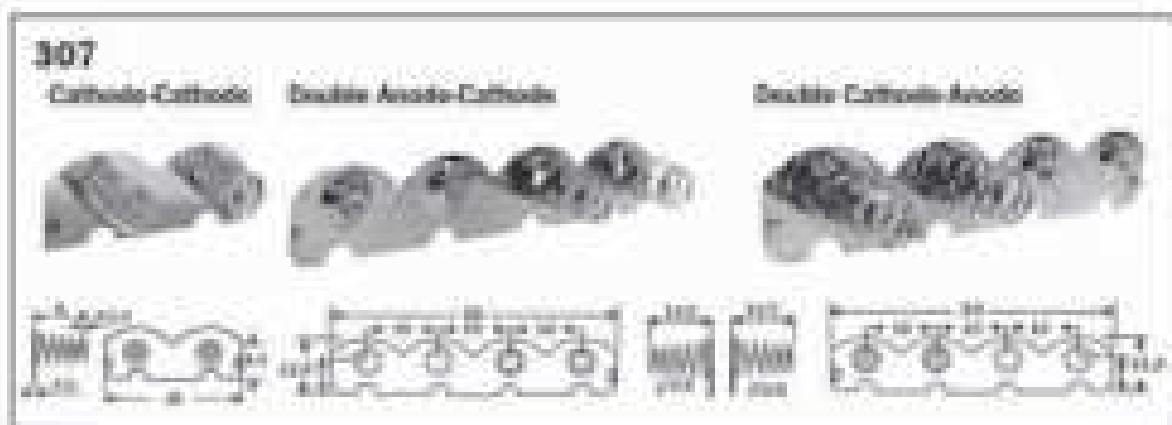
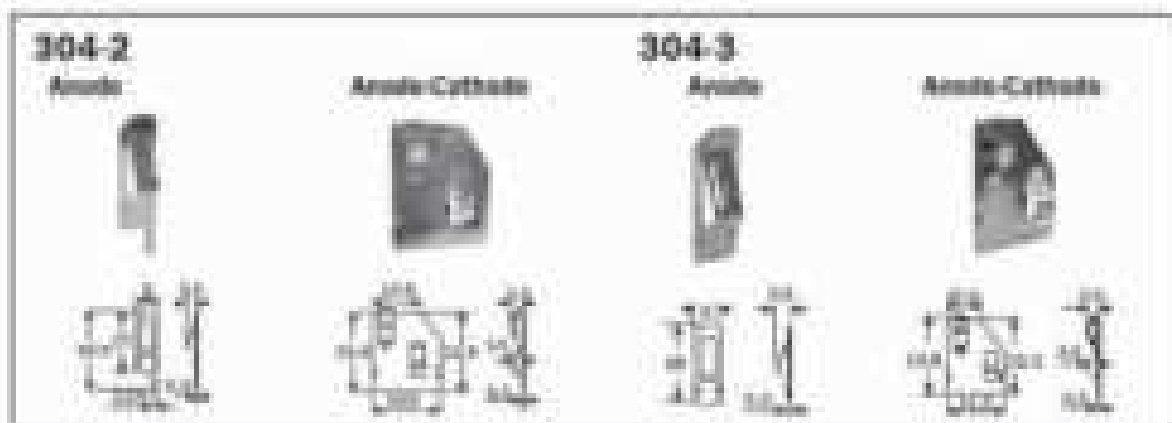
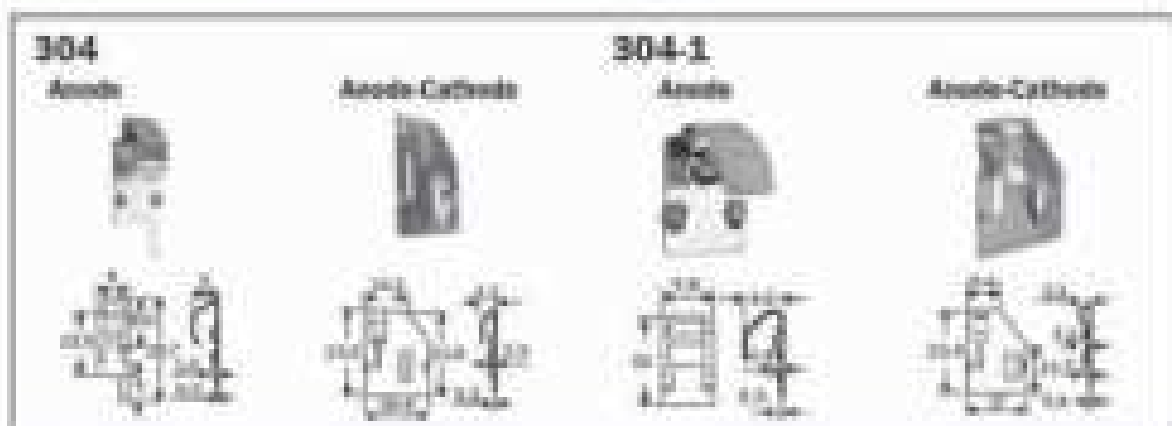
2.5D 影像測量機
2.5D Vision Measuring Machine

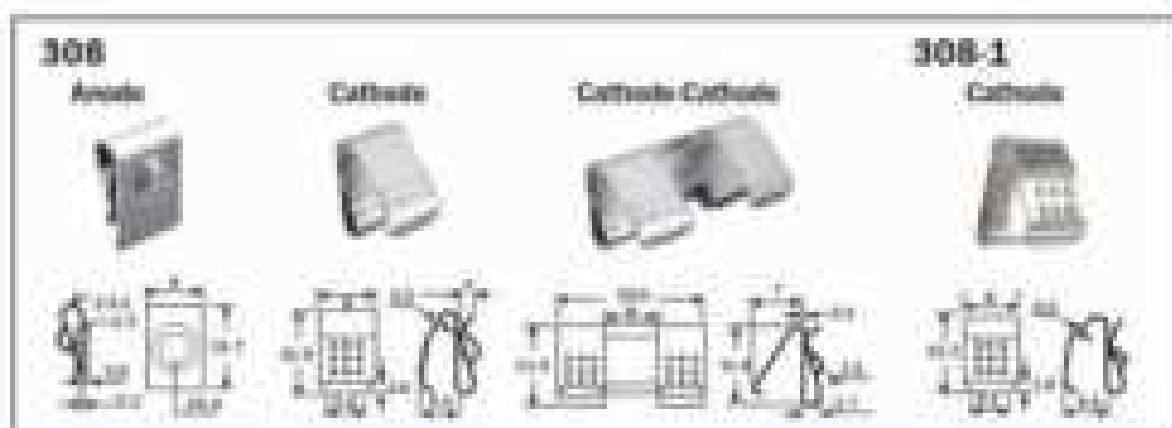


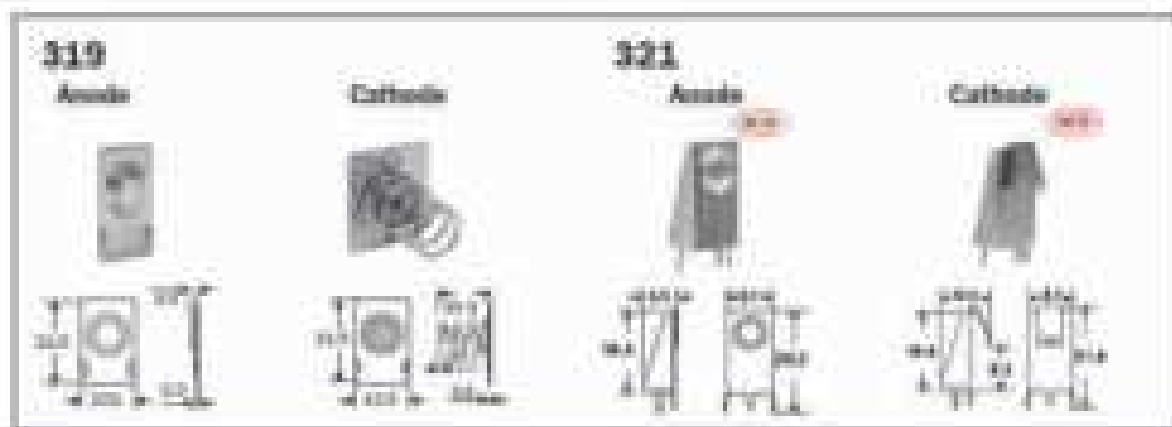
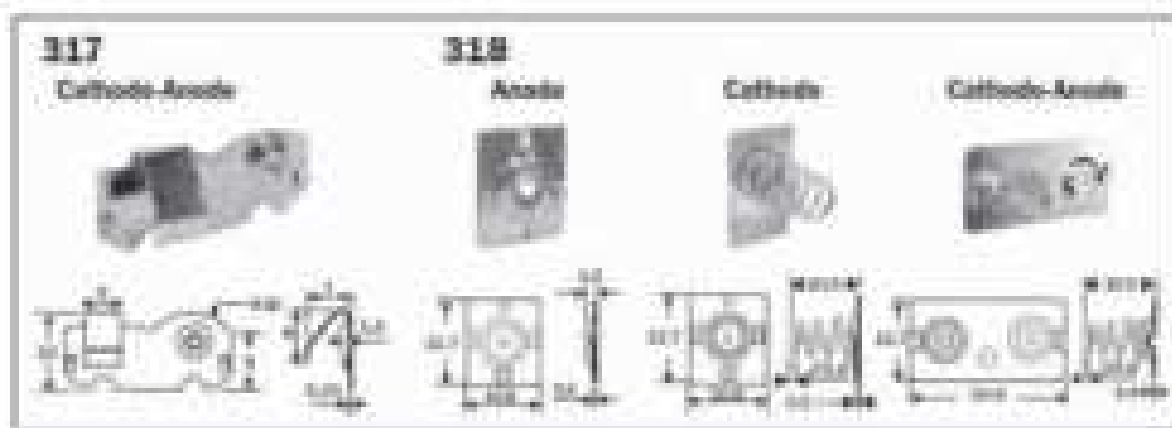
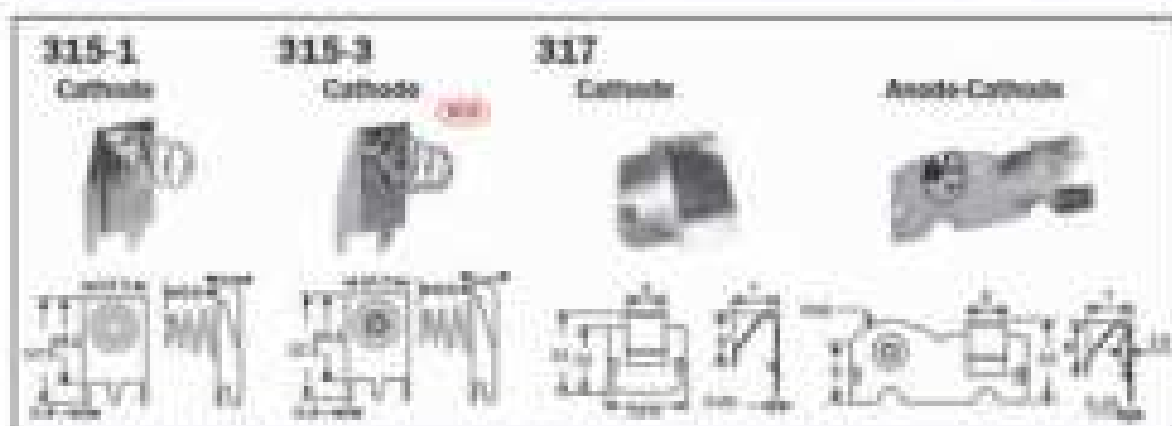
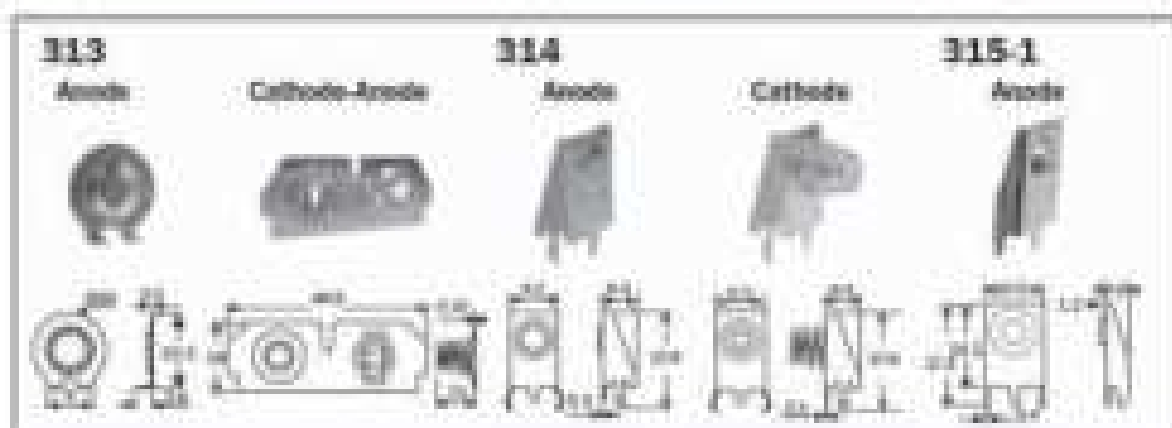












401

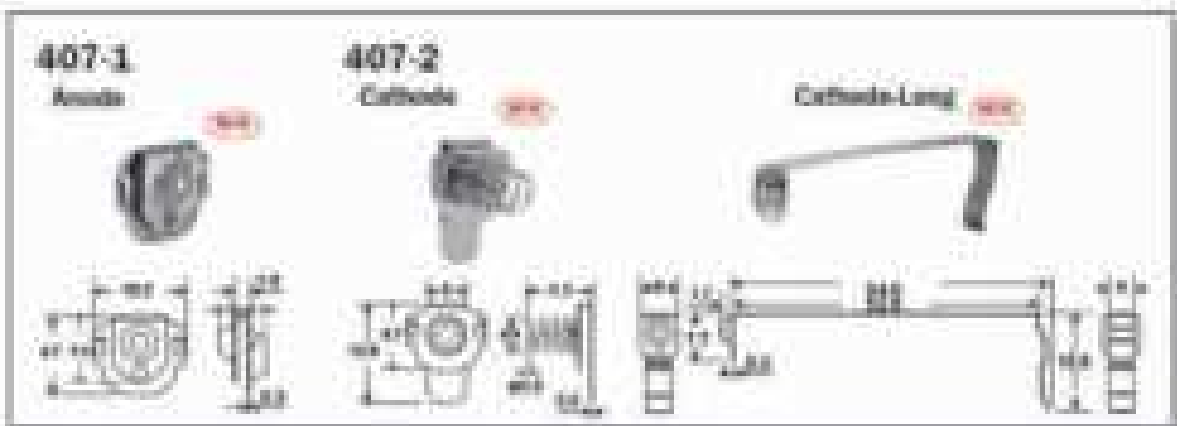
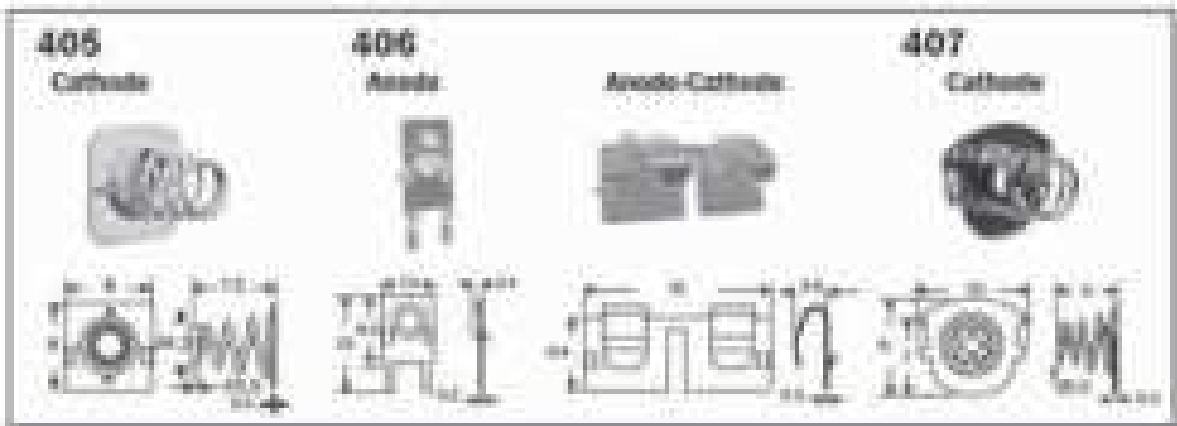
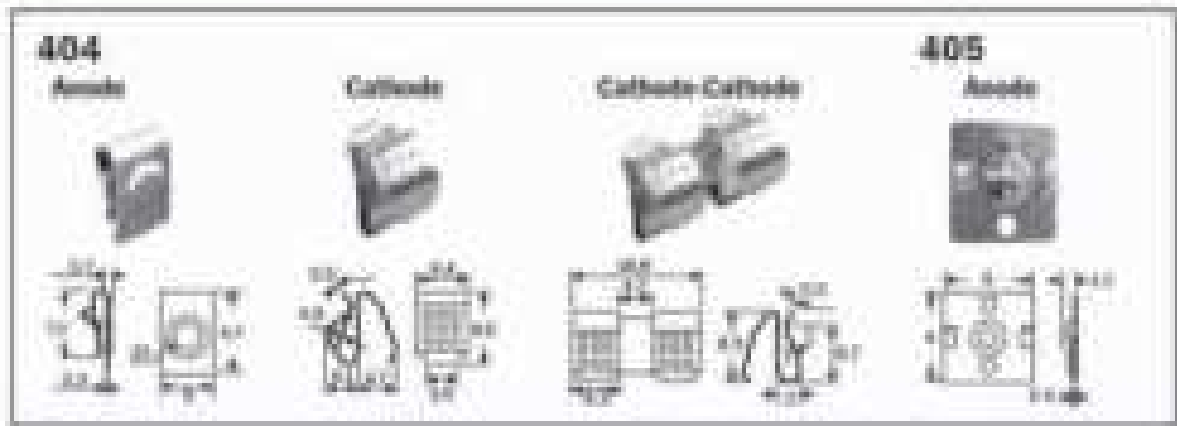
Anode	Cathode	Long Cathode	Anode-Cathode	Cathode-Anode

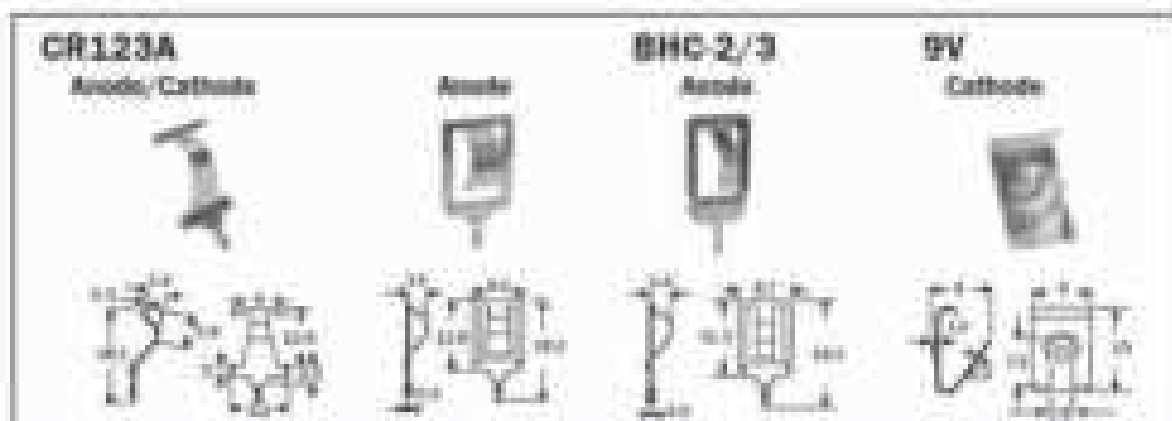
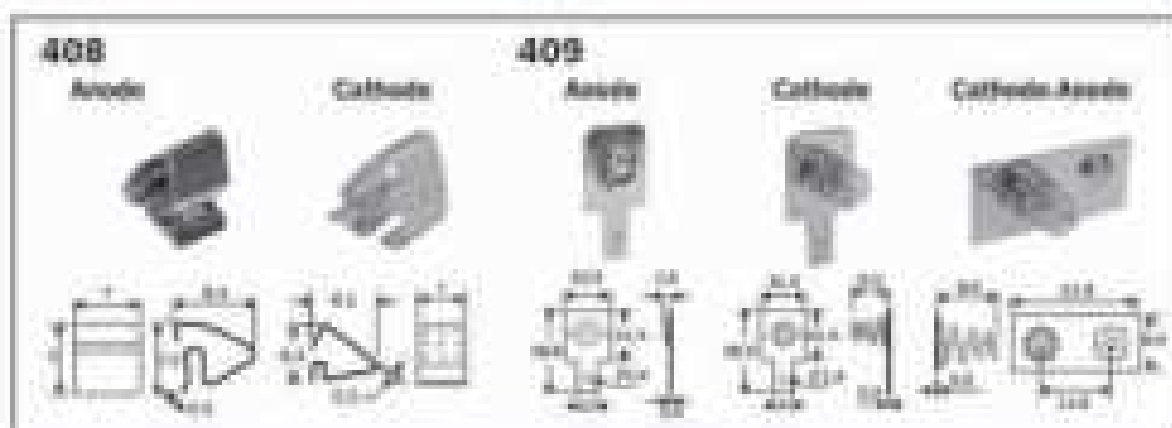
402	402-1		402-1	
Anode	Anode-Cathode		Anode	Anode-Cathode

402-2	402-3		402-3	
Anode	Anode-Cathode		Anode	Anode-Cathode

403

Anode	Cathode	Anode-Cathode





BH-3.6V

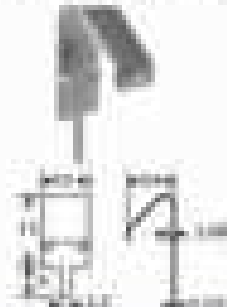
Anode/Cathode



Pi0.5 Anode/Cathode



Pi0.8 Anode/Cathode



CR2032

Anode



Cathode



Anode-Cathode



Big Contact



Small Contact



Long Contact



P2 Contact



Pi0.5 Contact



Pi0.8 Contact



Femgale Contact
(5 Prong)



Male Contact



Femgale Contact
(4 Prong)



Switch



Metal Switch
(4P)



Metal Switch
(2P)



Rivet

502044



502045



502048



602044



704045



70405



70407



802044



Pin 0.5 (S)



Pin 0.8 (S)



Pin 1.0 (S)



Pin 1.2 (S)



Pin 1.5 (S)



Pin 2.0 (S)



LEAD WIRE TERMINAL CONNECTOR



WIRE ASSEMBLIES HARNESSES

- Cable Assembly, Flexible Flat Cable (FFC), LVDS Cable offered
- Complete OEM service available
- Small order acceptable
- Good quality products with competitive price



DESIGN, SOURCE, TEST AND SUPPLY ON TIME. COME'S QUALITY SYSTEM AND AUTOMATED PRODUCTION FACILITIES ARE YOUR ADVANTAGE.



WIRE HARNESS

ASSEMBLY MANUFACTURING

With years of experience as a leading wire harness manufacturer, COMF owns and operates manufacturing facilities in China to manufacture our customer's products. We commit to understanding our customers' expectations, and meeting those expectations by performing the correct tasks, defect free, on time, every time.



Full Automatic Terminal Crimping Machine



Full Automatic Terminal Crimping Machine



High Accuracy Crimping Machine



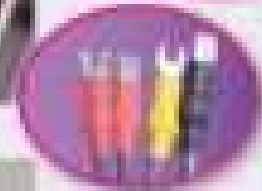
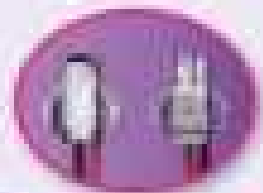
Automatic Stripping Machine



Worker at a workstation



Automatic Cable Stripping Machine



Comfortable Electronic Co., Ltd. (COMF) specializes in the production of Battery Holder, Battery Snaps and Plastic Injection Molding. Over the years, COMF has actively extended our product offering to include Coin Cell Holder, Battery Clips, Battery Contacts and Wire Assemblies. Always aiming to meet the client's need, COMF offers the best solution for design, development and production.



Patents:

- Enclosed Battery Holder
- Cylindrical Terminal Block and Battery Snap
- Charger with Resistorless Signal Line for a Coin
- USB Power Pack and Charger
- Battery Case Having Receiving Function
- Waterproof Battery Case
- Battery Case and Electronic PDA Set for Use in the Same



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