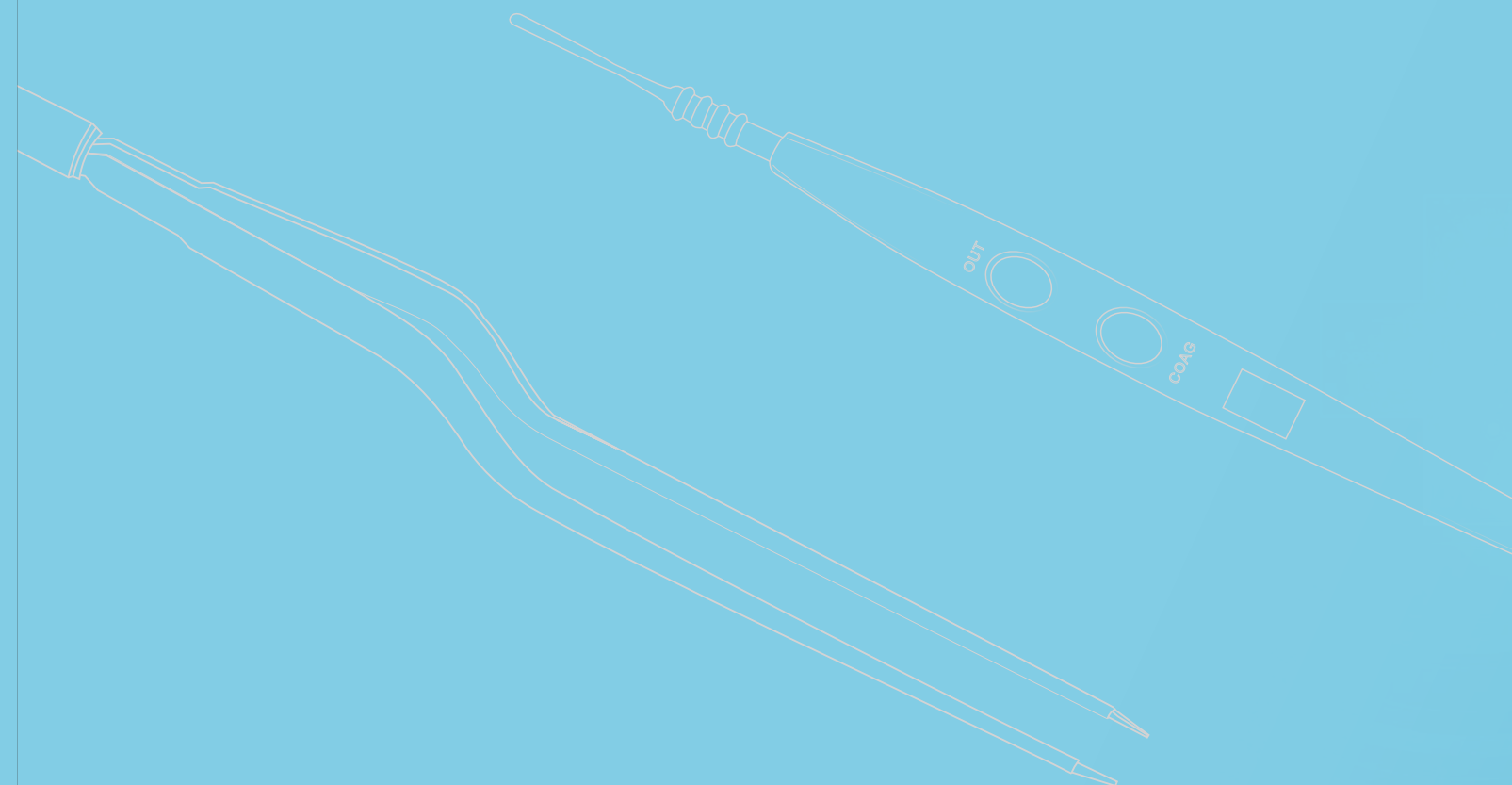


CE 0123

GOLDBOV

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ELECTROSURGICAL FORCEPS ELECTROSURGICAL PENCIL

PROFESSIONAL MANUFACTURER OF SURGERY INSTRUMENT

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PROFESSIONAL
MANUFACTURER OF
SURGICAL INSTRUMENT



ABOUT US
>>>

Goldbov was established in 2009, located in Wuhan, central part of China. Goldbov is a high-tech enterprise specializing in the production of medical surgical instruments and implantation instruments.

Goldbov have a strong technical force and a team of knowledgeable and experienced professional employees, laying a solid foundation for the research, development, and manufacture of the products.

Goldbov has passed ISO9001 and ISO13485 quality management system certification, and strictly manages the research and development, procurement, production, and sales processes in accordance with the requirements of the above management system.

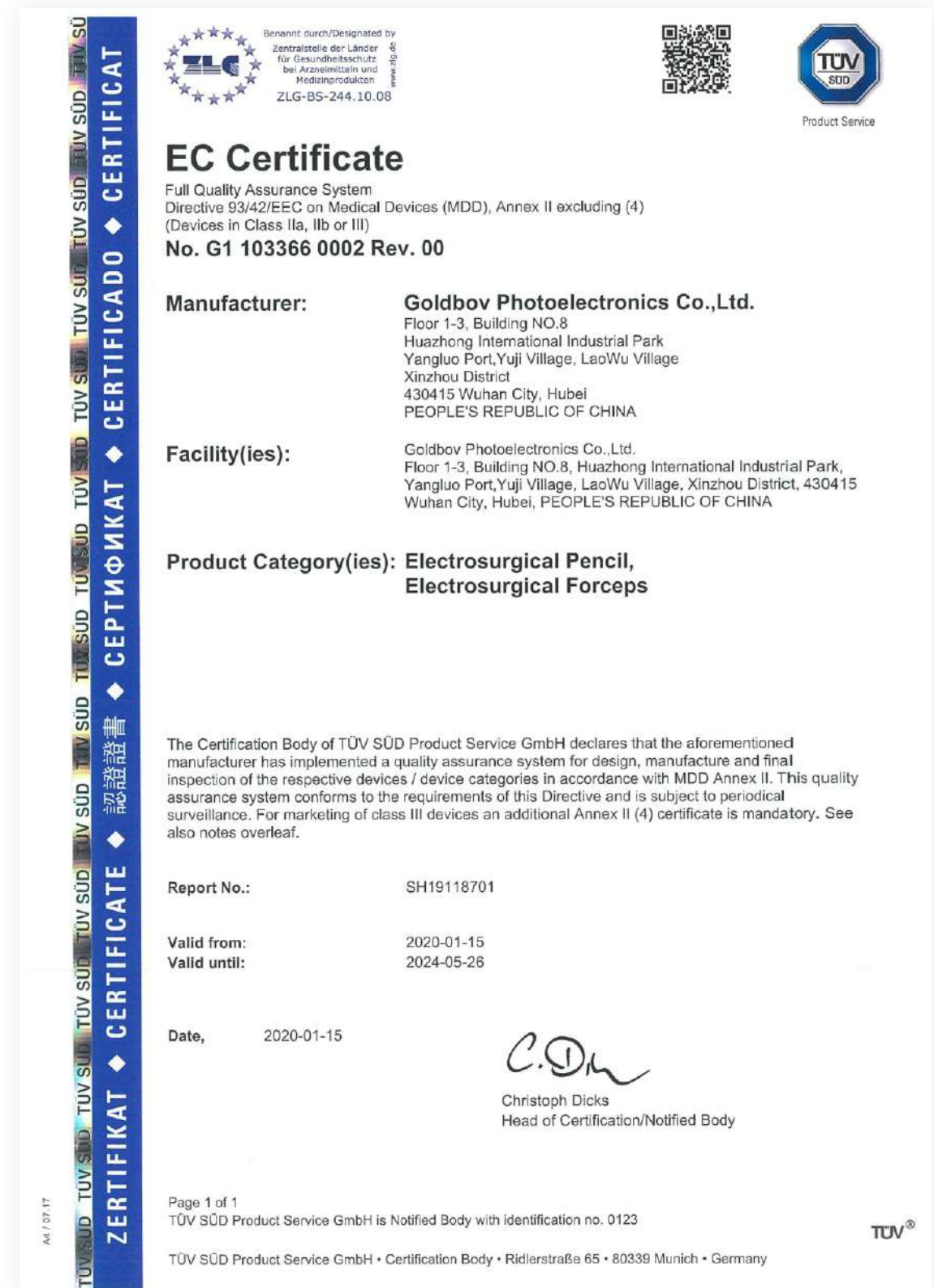
Goldbov has established a complete product quality control system to ensure products be high-quality and stable-quality.

Goldbov has 40 utility model patents and 12 major categories of medical device registration certificates from China, also own several CE certificates from Europe.

Goldbov product in this brochure includes:

1. Electrosurgical forceps(CE certified,5models)
2. Electrosurgical pencil(CE certified,3models)

For Goldbov other products, please contact us to get brochures.



FEATURE:

- 1. The bipolar forceps in GOLDBOV CE certificate is disposable bipolar forceps with cable welded on it, with 2 pin plug. The forceps body is made of high quality stainless steel and insulation layer. There are totally 5 models for GOLDBOV CE certified bipolar forceps according to different shapes, Please check the detail models in below table. Various forceps lengths and tip sizes can be customized. The appearance of forceps is standard and beautiful, with precise dimension.
- 2. The appearance and structure ensure good surgical effect: stainless steel forceps have smooth tip, can prevent tissue adhesion in surgery; the tip can withstand high temperature, withstand corrosion (sodium chloride test method), and with high hardness, the tip can be sharp in high temperature; The handle surface of the forceps is smooth, the insulation layer is evenly sprayed, and the color is uniform; The pinching force of the forceps is moderate and the doctor's use experience is good.
- 3. Physical performance ensures safer surgical use: the forceps have low conduction resistance; The various parts of the forceps have high tensile strength, so there is no need to worry about damaging the forceps during slight pulling; The withstand voltage of forceps' insulation layer can reach 30seconds-1500V power frequency voltage and 30seconds-600V high-frequency voltage(without breakdown).
- 4. The forceps can be used in conjunction with various brands of high-frequency and radio-frequency electrosurgical machine; Suitable for various surgical procedures.
- 5. Produced in 100000 level purification workshop, Ethylene oxide sterilization, the residual amount of ethylene oxide≤4mg/d. the production process complies with TUV SUD ISO13485 and ISO9001.

| MODEL | JBW/D-D1 | JBW/D-D2 | JBW/D-D4 | JBW/D-D5 | JBW/D-D6 |
|-------|------------------|-------------------------|-----------------|------------------------|--------------|
| SHAPE | STRAIGHT BIPOLAR | STRAIGHT CURVED BIPOLAR | BAYONET BIPOLAR | BAYONET CURVED BIPOLAR | LOOP BIPOLAR |

| Item No | Model | Description |
|---------|----------|---|
| D1-1105 | JBW/D-D1 | diposable straight forceps, 110mm long, 0.5mm tip thick, welded with 3meters cable,2-pin plug |
| D1-1305 | JBW/D-D1 | diposable straight forceps, 130mm long, 0.5mm tip thick, welded with 3meters cable,2-pin plug |
| D1-1605 | JBW/D-D1 | diposable straight forceps, 160mm long, 0.5mm tip thick, welded with 3meters cable,2-pin plug |
| D1-1610 | JBW/D-D1 | diposable straight forceps, 160mm long, 1mm tip thick, welded with 3meters cable,2-pin plug |
| D1-1810 | JBW/D-D1 | diposable straight forceps, 180mm long, 1mm tip thick, welded with 3meters cable,2-pin plug |
| D1-2005 | JBW/D-D1 | diposable straight forceps, 200mm long, 0.5mm tip thick, welded with 3meters cable,2-pin plug |
| D1-2010 | JBW/D-D1 | diposable straight forceps, 200mm long, 1mm tip thick, welded with 3meters cable,2-pin plug |
| D1-2210 | JBW/D-D1 | diposable straight forceps, 220mm long, 1mm tip thick, welded with 3meters cable,2-pin plug |

Note: the above table is for reference. Item No is product number for orders.
There are more forceps tip choice like 0.3mm,0.5mm, 0.7mm,1mm,1.5mm, 2mm, customers can tell us detail if the size is not included in above table



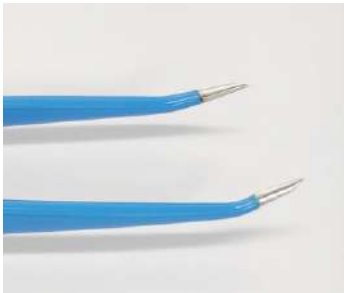
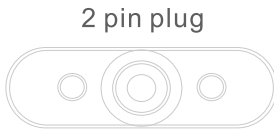
| MODEL | SHAPE | LENGTH(L) (±5mm) |
|----------|------------------|--|
| JBW/D-D1 | STRAIGHT BIPOLAR | 110MM、130MM、160MM、180MM 200MM、220MM、230MM、250MM |

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| Item No | Model | Description |
|---------|----------|--|
| D2-1105 | JBW/D-D2 | diposable straight curved forceps, 110mm long, 0.5mm tip thick, welded with 3meters cable,2-pin plug |
| D2-1305 | JBW/D-D2 | diposable straight curved forceps, 130mm long, 0.5mm tip thick, welded with 3meters cable,2-pin plug |
| D2-1605 | JBW/D-D2 | diposable straight curved forceps, 160mm long, 0.5mm tip thick, welded with 3meters cable,2-pin plug |
| D2-1610 | JBW/D-D2 | diposable straight curved forceps, 160mm long, 1mm tip thick, welded with 3meters cable,2-pin plug |
| D2-1810 | JBW/D-D2 | diposable straight curved forceps, 180mm long, 1mm tip thick, welded with 3meters cable,2-pin plug |
| D2-2005 | JBW/D-D2 | diposable straight curved forceps, 200mm long, 0.5mm tip thick, welded with 3meters cable,2-pin plug |
| D2-2010 | JBW/D-D2 | diposable straight curved forceps, 200mm long, 1mm tip thick, welded with 3meters cable,2-pin plug |
| D2-2210 | JBW/D-D2 | diposable straight curved forceps, 220mm long, 1mm tip thick, welded with 3meters cable,2-pin plug |

Note: the above table is for reference. Item No is product number for orders.
There are more forceps tip choice like 0.3mm,0.5mm, 0.7mm,1mm,1.5mm, 2mm, customers can tell us detail if the size is not included in above table



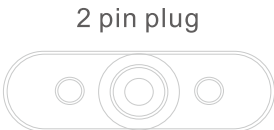
| MODEL | SHAPE | LENGTH(L) (±5mm) |
|----------|-------------------------|--|
| JBW/D-D2 | STRAIGHT CURVED BIPOLAR | 110MM、130MM、160MM、 <u>180MM</u> 200MM、220MM、230MM、250MM |

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| Item No | Model | Description |
|---------|----------|--|
| D4-1605 | JBW/D-D4 | diposable bayonet forceps, 160mm long, 0.5mm tip thick, welded with 3meters cable,2-pin plug |
| D4-1610 | JBW/D-D4 | diposable bayonet forceps, 160mm long, 1mm tip thick, welded with 3meters cable,2-pin plug |
| D4-1810 | JBW/D-D4 | diposable bayonet forceps, 180mm long, 1mm tip thick, welded with 3meters cable,2-pin plug |
| D4-2005 | JBW/D-D4 | diposable bayonet forceps, 200mm long, 0.5mm tip thick, welded with 3meters cable,2-pin plug |
| D4-2010 | JBW/D-D4 | diposable bayonet forceps, 200mm long, 1mm tip thick, welded with 3meters cable,2-pin plug |
| D4-2210 | JBW/D-D4 | diposable bayonet forceps, 220mm long, 1mm tip thick, welded with 3meters cable,2-pin plug |

Note: the above table is for reference. Item No is product number for orders.
There are more forceps tip choice like 0.3mm,0.5mm, 0.7mm,1mm,1.5mm, 2mm, customers can tell us detail if the size is not included in above table



*The forceps is very delicate;
*The forceps tip is highly smooth;
*Prevent tissue adhesion;



| MODEL | SHAPE | LENGTH(L) (±5mm) |
|----------|-----------------|---|
| JBW/D-D4 | BAYONET BIPOLAR | 160MM、180MM、 <u>200MM</u> 、210MM 220MM、230MM、250MM、280MM |

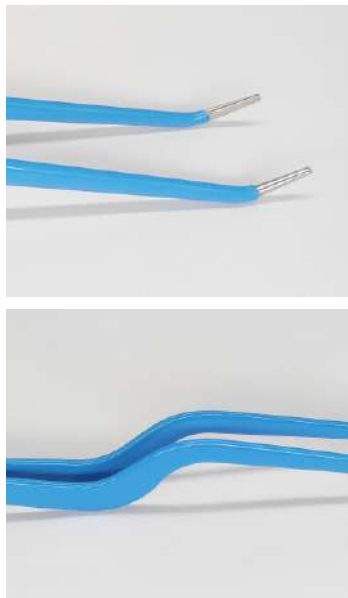
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| Item No | Model | Description |
|---------|----------|---|
| D5-2010 | JBW/D-D5 | diposable bayonet curved forceps, 200mm long, 1mm tip thick, welded with 3meters cable,2-pin plug |
| D5-2210 | JBW/D-D5 | diposable bayonet curved forceps, 220mm long, 1mm tip thick, welded with 3meters cable,2-pin plug |

Note: the above table is for reference. Item No is product number for orders.
There are more forceps tip choice like 0.3mm,0.5mm, 0.7mm,1mm,1.5mm, 2mm, customers can tell us detail if the size is not included in above table



| MODEL | SHAPE | LENGTH(L) (±5mm) |
|----------|------------------------|---|
| JBW/D-D5 | BAYONET CURVED BIPOLAR | 160MM、180MM、 <u>200MM</u> 、220MM、230MM 250MM、280MM、300MM、320MM |

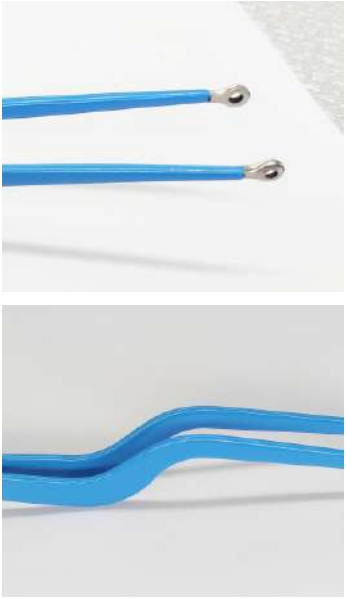
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| Item No | Model | Description |
|---------|----------|---|
| D6-2010 | JBW/D-D6 | diposable loop forceps, 200mm long, 1mm tip thick, welded with 3meters cable,2-pin plug |
| D6-2210 | JBW/D-D6 | diposable loop forceps, 220mm long, 1mm tip thick, welded with 3meters cable,2-pin plug |

Note: the above table is for reference. Item No is product number for orders.
There are more forceps tip choice like 0.3mm,0.5mm, 0.7mm,1mm,1.5mm, 2mm, customers can tell us detail if the size is not included in above table

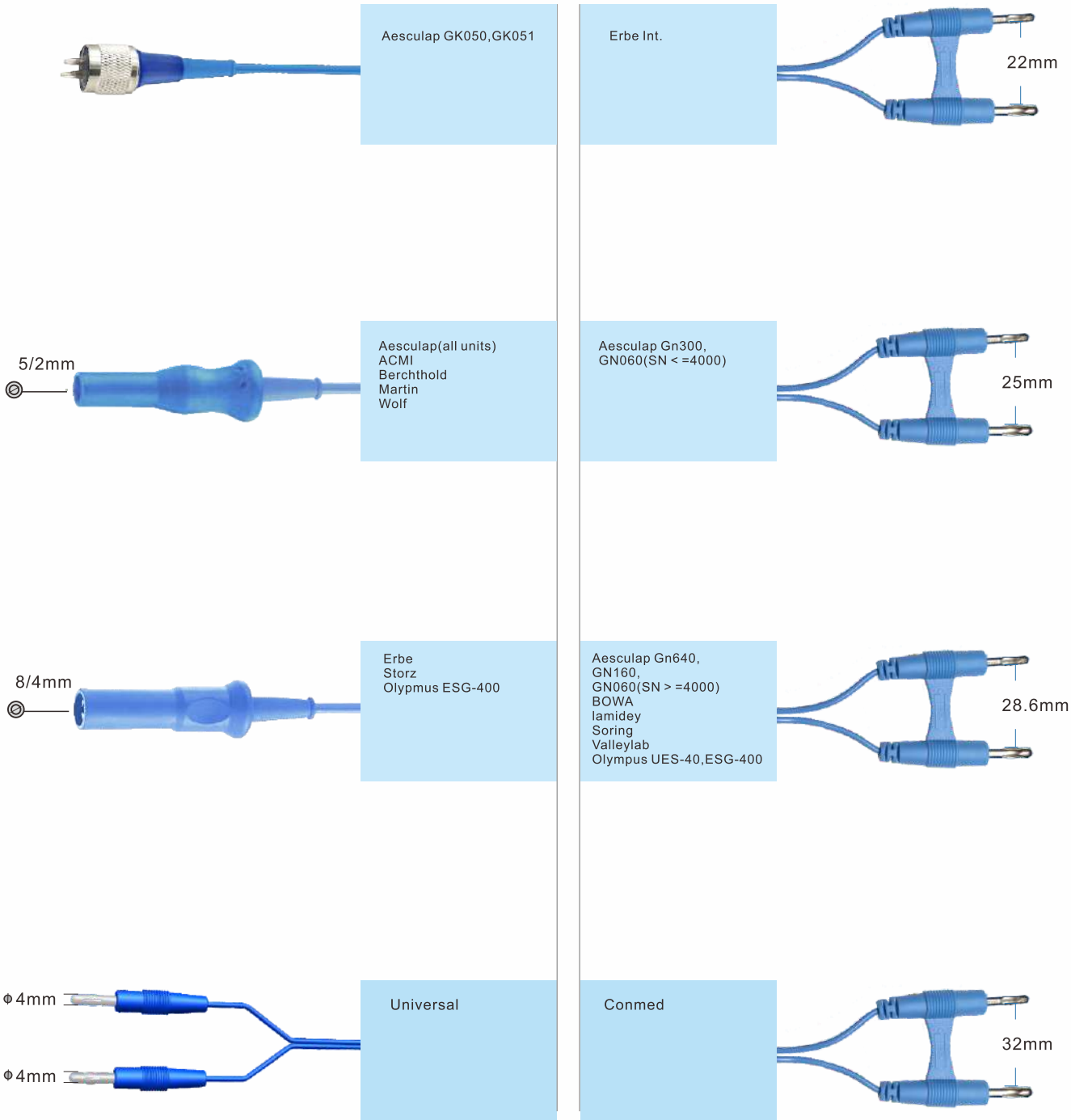


| MODEL | SHAPE | LENGTH(L) (±5mm) |
|----------|--------------|---|
| JBW/D-D6 | LOOP BIPOLAR | 160MM、180MM、 <u>200MM</u> 、220MM 230MM、250MM、280MM、320MM |

BIPOLAR CONNECTING
CABLE PLUG(MACHINE END)

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Reference plug



ELECTROSURGICAL
PENCIL

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FEATURE:

- 1.The electrosurgical pencil in GOLDBOV CE certificate is disposable electrosurgical hand switch pencil with 3meters cable, 3-pin plug. There are totally 5 models for GOLDBOV CE certified electrosurgical pencil according to different tip shape, We mainly produce and sell 3models. Please check the detail models in below table. Various tip lengths can be customized. Goldbov electrosurgical pencil is with ergonomic handle, 3-step assembly of internal structure, waterproof and stable;
- 2.The appearance and structure ensure good surgery effect: the stainless steel electrode tip of the electrosurgical pencil is smooth, can withstand high temperature, and has high hardness; The handle of the electrosurgical pencil is anti-slip and has a good hand feel; The blue coagulation switch and yellow cutting switch on the electrosurgical pencil indicate clearly;
- 3.Physical performance ensures safer surgical use: the electrosurgical pencil has low conduction resistance; The various parts of the electrosurgical pencil have high tensile strength, so there is no need to worry about damaging electrosurgical pencil during slight pulling; The withstand voltage of electrosurgical pencil can reach 30seconds-4000V power frequency voltage and 30seconds-3600V high-frequency voltage (without breakdown).
- 4.Can be used in conjunction with various brands of high-frequency and radio-frequency electrosurgical machine; Suitable for various surgical procedures;
5. Produced in 100000 level purification workshop, Ethylene oxide sterilization, the residual amount of ethylene oxide $\leq 4\text{mg/d}$.the production process complies with ISO13485 and ISO9001.

| MODEL | JBW/D-C1 | JBW/D-C4 | JBW/D-C5 |
|-------|-----------|------------|-------------|
| SHAPE | HOOK TYPE | BLADE TYPE | NEEDLE TYPE |

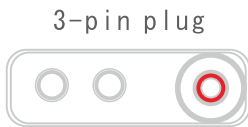
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| Item No | Model | Description |
|---------|----------|--|
| C1-127 | JBW/D-C1 | diposable electrosurgical pencil, 127mm hook tip, welded with 3meters cable,3-pin plug |
| C1-152 | JBW/D-C1 | diposable electrosurgical pencil, 152mm hook tip, welded with 3meters cable,3-pin plug |
| C1-200 | JBW/D-C1 | diposable electrosurgical pencil, 200mm hook tip, welded with 3meters cable,3-pin plug |
| C1-280 | JBW/D-C1 | diposable electrosurgical pencil, 280mm hook tip, welded with 3meters cable,3-pin plug |
| C1-320 | JBW/D-C1 | diposable electrosurgical pencil, 320mm hook tip, welded with 3meters cable,3-pin plug |

Note: the above table is for reference. Item No is product number for orders.
There are more tip length option beyond this table,customers can tell us detail if the length is not included in above table



| MODEL | SHAPE | HANDLE (H) | LENGTH(L) (±5mm) |
|----------|-----------|------------|---|
| JBW/D-C1 | HOOK TYPE | 145MM | 127MM、152MM、178MM、200MM 220MM、250MM、280MM、320MM 330MM、350MM |

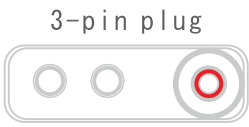
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| Item No | Model | Description |
|---------|----------|---|
| C4-45 | JBW/D-C4 | diposable electrosurgical pencil, 45mm blade tip, welded with 3meters cable,3-pin plug |
| C4-127 | JBW/D-C4 | diposable electrosurgical pencil, 127mm blade tip, welded with 3meters cable,3-pin plug |

Note: the above table is for reference. Item No is product number for orders.
There are more tip length option beyond this table,customers can tell us detail if the length is not included in above table



| MODEL | SHAPE | HANDLE(H) | LENGTH(L)(±5mm) |
|----------|------------|-----------|--|
| JBW/D-C4 | BLADE TYPE | 145MM | 30MM、35MM、40MM、45MM、50MM、55MM、60MM 65MM、76MM、102MM、127MM、152MM、180MM 200MM、220MM、250MM、280MM、300MM、320MM |

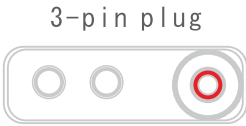
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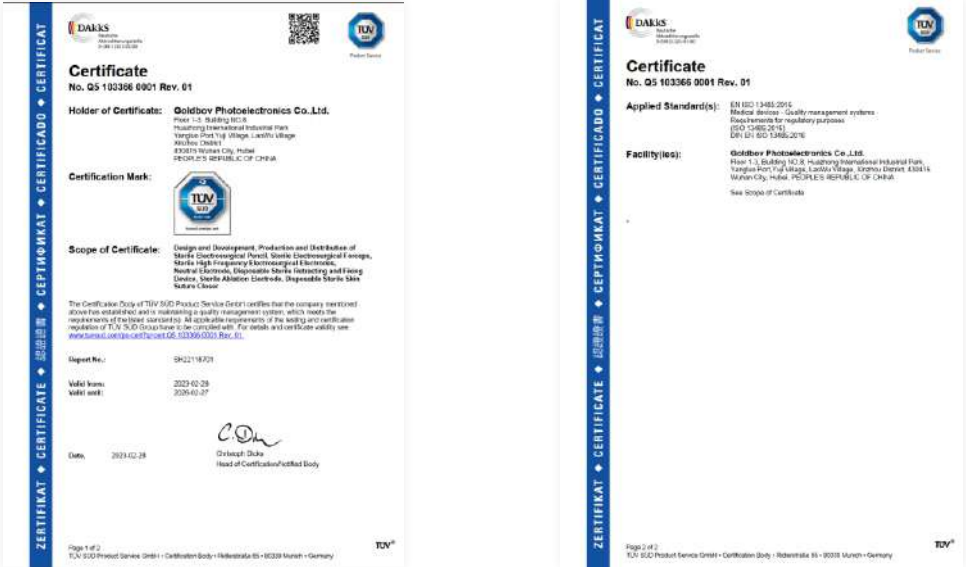
ISO CERTIFICATE/ DECLARATION OF CONFORMITY

| Item No | Model | Description |
|---------|----------|--|
| C5-45 | JBW/D-C5 | diposable electrosurgical pencil, 45mm needle tip, welded with 3meters cable,3-pin plug |
| C5-127 | JBW/D-C5 | diposable electrosurgical pencil, 127mm needle tip, welded with 3meters cable,3-pin plug |

Note: the above table is for reference. Item No is product number for orders. There are more tip length option beyond this table,customers can tell us detail if the length is not included in above table



| MODEL | SHAPE | HANDLE (H) | LENGTH(L) (±5mm) |
|----------|-------------|------------|--|
| JBW/D-C5 | NEEDLE TYPE | 145MM | 30MM、35MM、40MM、45MM、50MM、55MM、60MM 65MM、76MM、102MM、127MM、152MM、180MM 200MM、220MM、250MM、280MM、300MM、320MM |



ISO13485:2016



ISO9001:2015

DECLARATION OF CONFORMITY ELECTROSURGICAL FORCEPS

DECLARATION OF CONFORMITY ELECTROSURGICAL PENCIL