



卢森明德  
LUSENMINGDE

# 公司产品宣传画册

Company product brochure



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# Enterprise introduction

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01

# 企业介绍

Company introduction



## 公司介绍 (Company introduction)

山东卢森明德医疗科技发展有限公司成立于2022年，注册资本1000万元；主要生产经营一类医疗耗材，主要产品为低温热塑板、放疗定位膜、高分子夹板、高分子绷带以及附属产品。

“服务与人类需求”是我们赋予卢森明德品牌的精神，代表着卢森明德提倡改革创新，寻求更专业、更到位、更快捷的服务水准，不断积淀品牌内涵。

Shandong Lucerne Minde Medical Technology Development Co., Ltd. was established in 2022 with a registered capital of 10 million yuan; Mainly produces a class of medical supplies, the main products are low temperature thermoplastic plate, radiotherapy positioning film, polymer splint, polymer bandage and ancillary products.

"Service and human needs" is the spirit we give to Lusenmingde brand, which represents that Lusenmingde advocates reform and innovation, seeks more professional, more accurate and more efficient service level, and continuously accumulates brand connotation.



**慧明其德 智明其德 内明其德 外明其德**





## 产品适用 (Product application)

本项目产品所需原材料广泛应用于释药物载体、细胞、组织培养构架，完全可降解手术分缝合线、医用造型材料等，6—12个月可完全降解。

主要用途:

- 1、骨折、关节脱位术后固定，关节韧带损伤、神经肌腱损伤手术后固定。
- 2、关节畸形、神经麻痹及肌腱损伤等矫形手术后固定。
- 3、关节急性和慢性炎症，肌体软组织急性炎症的固定。
- 4、骨、关节结核、急慢性骨髓炎、化脓性关节炎、原发性骨肿瘤、恶性骨肿瘤转移等保守治疗期间和术后病灶清除后的固定。
- 5、烧伤及其它整形后固定。
- 6、制作康复支具及矫形支具。
- 7、癌症患者放疗时定位与固定。

The raw materials required by the product of this project are widely used in drug release carrier, cell, tissue culture framework, fully degradable surgical suture lines, medical modeling materials, etc., which can be completely degraded in 6-12 months.

Main uses:

- 1, fracture, joint dislocation postoperative fixation, joint ligament injury, nerve tendon injury fixation after surgery.
- 2, joint deformity, nerve paralysis and tendon injury after orthopedic surgery fixation.
3. Acute and chronic inflammation of joints and fixation of acute inflammation of soft tissues of the body.
4. Fixation during conservative treatment of bone and joint tuberculosis, acute and chronic osteomyelitis, suppurative arthritis, primary bone tumor, malignant bone tumor metastasis, and postoperative debridement of lesions.
5. Fixation after burn and other plastic surgery.
6. Make rehabilitation supports and orthopedic supports.
7. Positioning and fixation during radiotherapy for cancer patients.



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## 产品优势 (Product advantage)

- (1) 可塑性强: 放入60-70℃热水中即可完全透明软化, 可随意适当拉伸、塑型, 操作简便、快捷。
- (2) 具有记忆功能: 在塑型不满意时, 可重新放入60-70℃热水中, 再次软化, 材料可恢复以前大小、形状, 并可再次塑形, 重复使用。
- (3) 透气性好、不怕水: 低温热塑板上置有众多网眼, 增加皮肤通气、散热、排汗功能, 可防止皮肤红肿、搔痒。同时, 患者可随时洗浴洁身, 有利于提高病人的生活质量。
- (4) 质量轻、厚度薄、强度高: 低温热塑板厚为1.6-4.0mm, 仅为石膏重量的1/4-1/3, 并且有很高的韧性, 不易破损或折断, 使用安全、可靠。不会对患者皮肤产生过敏反应。
- (5) 具有粘接功能: 在热塑成型操作中, 低温热塑板表面或断面间可任意粘接, 医生操作简单、方便、快捷。
- (6) X射线通透性好: 复查时, 病人可带板透视、拍片, 不会影响或减弱X射线的透视、拍片效果。
- (7) 易于拆除: 低温热塑板使用完毕需要拆除时, 可用普通剪刀剪开即可, 操作十分简便。
- (8) 环保材料: 废弃后埋入土中, 8到12个月后可自行生物降解。

- (1) Strong plasticity: it can be completely transparent and softened in 60-70℃ hot water, and can be stretched and molded freely. The operation is simple and fast.
- (2) with memory function: when the molding is not satisfied, it can be put back into 60-70℃ hot water, softened again, the material can be restored to the previous size and shape, and can be shaped again and reused.
- (3) Good air permeability, not afraid of water: low temperature thermoplastic plate is equipped with many mesh, increase skin ventilation, heat dissipation, sweat function, can prevent skin redness, itching. At the same time, patients can bathe and clean themselves at any time, which is conducive to improving the quality of life of patients.
- (4) Light weight, thin thickness, high strength: low temperature thermoplastic plate thickness is 1.6-4.0mm, only 1/4-1/3 of the weight of gypsum, and has high toughness, not easy to damage or break, safe and reliable use. No allergic reaction to the patient's skin.
- (5) With bonding function: In the thermoplastic molding operation, the surface or section of the low-temperature thermoplastic plate can be arbitrarily bonded, the doctor's operation is simple, convenient and fast.
- (6) Good X-ray permeability: during review, patients can take plate fluoroscopy and radiography, which will not affect or weaken the X-ray fluoroscopy and radiography effect.
- (7) Easy to remove: When the low-temperature thermoplastic plate needs to be removed after use, it can be cut with ordinary scissors, and the operation is very simple.
- (8) Environmentally friendly materials: After being discarded and buried in the soil, they can biodegrade after 8 to 12 months



### 骨科 (orthopedics)



【膝关节固定夹板】（管状型）LSG-001  
用于膝关节软组织损伤、髌骨骨折、膝关节术后制动及功能固定。  
600\*310\*3.2mm

【 Knee fixation Splint 】 (tubular type) LSG-001  
It is used for knee soft tissue injury, patellar fracture, knee postoperative braking and functional fixation.  
600 \* 310 \* 3.2 mm



【踝关节固定夹板】（管状型）LSG-002  
用于踝关节软组织损伤、足拓面固定。600\*240\*3.2mm

Ankle fixation splint (tubular type) LSG-002  
It is used for ankle joint soft tissue injury and foot extension surface fixation. 600 \* 240 \* 3.2 mm

### 骨科 (orthopedics)



**【手指固定夹板】** (管状型) LSG-003  
用于指骨骨折、指关节脱位、韧带、肌腱损伤固定的管状型手指固定。

190\*120\*3.2mm

Finger fixation Splint (tubular type) LSG-003

Tubular finger fixation for phalangeal fracture, dislocation of phalangeal joint, ligament, tendon injury fixation.

190 \* 120 \* 3.2 mm



**【拇指固定夹板】** (人字形) LSG-004

用于拇指掌骨、急性掌指关节炎、拇指扭伤、类风湿性关节炎、虎口成形术后及正中神经损伤后拇指功能固定。

200\*165\*3.2mm

Thumb fixation splint (Herringbone) LSG-004

It is used for thumb metacarpal bone, acute metacarpal and digital arthritis, thumb sprain, rheumatoid arthritis, and thumb functional fixation after tiger mouth arthroplasty and median nerve injury.

200 \* 165 \* 3.2 mm



## 产品展示 (Product introduction)

### 骨科 (orthopedics)



**【拇指固定板】** (管状型) LSG-005  
用于第一掌指关节、拇指指骨、掌骨骨折及腕关节脱位固定。  
210\*145\*3.2mm

**【 Thumb fixation plate 】** (tubular type) LSG-005  
For the first metacarpophalangeal joint, thumb phalangeal bone, metacarpal fracture and wrist joint dislocation fixation. 210 \* 145 \* 3.2 mm



**【腕关节固定夹板】** (简易型) LSG-006  
用于腕关节软组织损伤、腕关节炎及功能位固定。  
303\*193\*3.2mm

**【 Wrist joint fixation Splint 】** (simple type) LSG-006  
It is used for wrist soft tissue injury, wrist arthritis and functional position fixation. 303 \* 193 \* 3.2 mm

## 产品展示 (Product introduction)

### 骨科 (orthopedics)



【腕关节固定夹板】 (常规性) LSG-007  
用于腕关节或前臂远端骨折、腕关节成形术的功能位固定及腕关节炎等病变的休息位制动或月骨脱位及colles骨折固定。

270\*192\*3.2mm

【 Wrist fixation Splint 】 (Routine) LSG-007  
It is used for functional position fixation of wrist joint or forearm distal fracture, wrist arthroplasty, rest position braking of wrist arthritis and other lesions, lunate dislocation and colles fracture fixation.

270 \* 192 \* 3.2 mm



【拇指腕关节固定夹板】 (管状型) LSG-008  
用于第一掌指关节、指间关节及急性关节炎、腕扭伤、滑膜炎、腕舟骨骨折固定。

325\*185\*3.2mm

【 Thumb wrist joint fixation Splint 】 (tubular type) LSG-008

For the first metacarpophalangeal joint, interphalangeal joint and acute arthritis, wrist sprain, synovitis, scaphoid fracture fixation.

325 \* 185 \* 3.2 mm

## 产品展示 (Product introduction)

### 骨科 (orthopedics)



#### 【腕关节固定夹板】 (管状型) LSG-009

用于腕关节或前臂远端骨折，腕关节成形术的功能位固定及腕关节炎等病变的休息位制动或月骨脱位colles骨折固定。

300\*280\*3.2mm

#### 【 Wrist Fixation Splint 】 (tubular type) LSG-009

It is used for functional fixation of wrist joint or distal forearm fracture, carpal arthroplasty, rest position braking of carpal arthritis and other lesions, or fixation of lunate dislocation colles fracture.

300 \* 280 \* 3.2 mm



#### 【手休息位固定夹板】 LSG-010

用于手及腕关节骨折，神经肌腱损伤、瘢痕挛缩等矫形手术后的固定，防止或矫正由于骨关节、神经肌肉病变所致畸形。

360\*210\*3.2mm

#### 【 Hand rest position fixation splint 】 LSG-010

It is used for fixation after orthopedic surgery such as hand and wrist fracture, nerve tendon injury, cicatricial contracture, etc. to prevent or correct deformities caused by bone, joint and neuromuscular diseases. 360 \* 210 \* 3.2 mm

### 骨科 (orthopedics)



【膝关节固定夹板】 (常规型) LSG-011  
用于膝、踝关节软组织损伤、跟腱损伤术后的固定。  
900\*330\*3.2mm

【 Knee fixation Splint 】 (conventional type) LSG-011  
For knee, ankle soft tissue injury, Achilles tendon injury postoperative fixation.  
900 \* 330 \* 3.2 mm



【踝关节固定夹板】 (常规型) LSG-012  
用于跟腱损伤术后的背侧固定，支撑足拓面固定。  
600\*160\*3.2mm

【 Ankle joint fixation splint 】 (conventional type) LSG-012  
It is used for dorsal fixation after Achilles tendon injury, supporting foot extension fixation.  
600 \* 160 \* 3.2 mm

### 骨科 (orthopedics)



**【膝关节固定夹板】** (管状型) LSG-013  
用于膝关节软组织损伤、髌骨骨折、膝关节术后制动及功能固定。

600\*310\*3.2mm

**【 Knee fixation Splint 】** (tubular type) LSG-013  
It is used for knee soft tissue injury, patellar fracture, knee postoperative braking and functional fixation.

600 \* 310 \* 3.2 mm



**【踝关节固定夹板】** (管状型) LSG-014  
用于踝关节软组织损伤、足拓面固定。600\*240\*3.2mm

**【 Ankle fixation splint 】** (tubular type) LSG-014  
It is used for ankle joint soft tissue injury and foot extension surface fixation. 600 \* 240 \* 3.2 mm



### 骨科 (orthopedics)



#### 【跟腱背侧固定夹板】 LSG-015

用于跟腱损伤术后的背侧固定，支撑足跖面固定。  
442\*247\*3.2mm

#### 【 Dorsal Achilles tendon fixation Splint 】 LSG-015

It is used for dorsal fixation after Achilles tendon injury, supporting foot extension fixation. 442 \* 247 \* 3.2 mm



#### 【肘关节固定夹板】 LSG-016

用于肘关节肌腱、软组织、神经损伤及肘关节术后固定的肘关节固定。448\*260\*3.2mm

#### 【 Elbow Splint 】 LSG-016

It is used for elbow joint fixation after tendon, soft tissue, nerve injury and elbow joint postoperative fixation. 448 \* 260 \* 3.2 mm

### 骨科 (orthopedics)



#### 【手功能位固定夹板】LSG-017

用于手及手腕部稳定性骨折的固定，神经肌腱损伤及矫形术后功能位的固定，将手固定于拇指对指、对掌位防止骨关节病变所致畸形。

337\*170\*3.2mm

#### 【 Hand functional position fixation splint 】 LSG-017

It is used for the fixation of stable fractures of the hand and wrist, nerve tendon injury and functional position after orthopedic surgery. The hand is fixed in the opposite-digit and opposite-palm position to prevent the deformity caused by bone and joint lesions.

337 \* 170 \* 3.2 mm



#### 【腕关节固定夹板】（稳固型）LSG-018

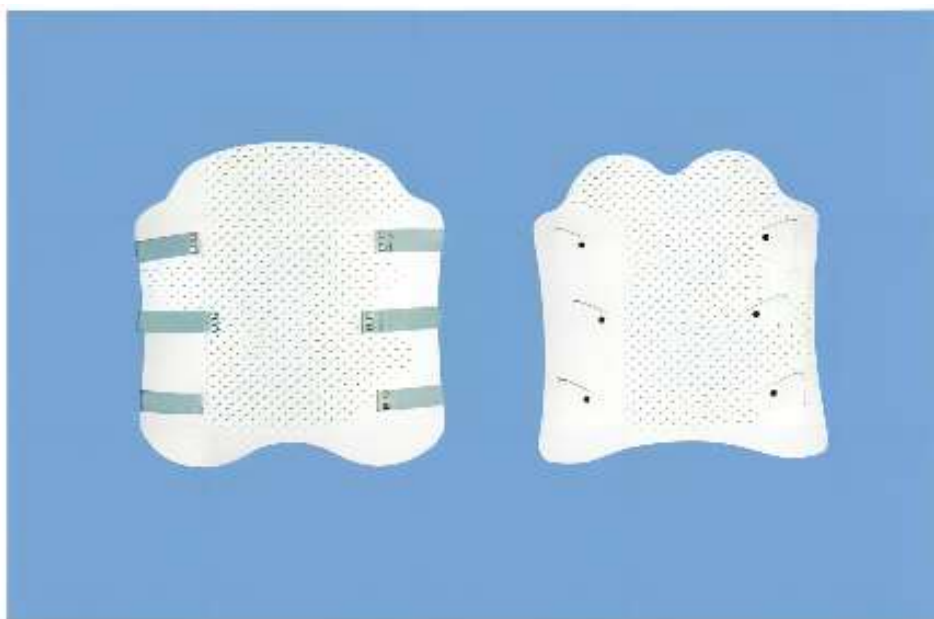
用于腕关节或前臂远端骨折，腕关节成形术的功能位固定。但又需将腕背侧暴露着（如掌侧有伤口处理）。

275\*175\*3.2mm

#### 【 Wrist joint fixation Splint 】 (stable type) LSG-018

It is used for functional position fixation of wrist arthroplasty or distal forearm fracture. But it is necessary to expose the dorsal side of the wrist (if there is a wound on the palmar side). 275 \* 175 \* 3.2 mm

### 骨科 (orthopedics)



#### 【腹背固定】（双面型） LSG-019

用于脊柱术后、脑瘫及儿童脊柱侧弯矫正、脊柱损伤等固定、保持脊柱的生理弯曲，使得腰脊部脊柱的肌肉及软组织得到充分的休息。

4.0\*420\*390mm 4.0\*450\*435mm 4.0\*540\*500mm

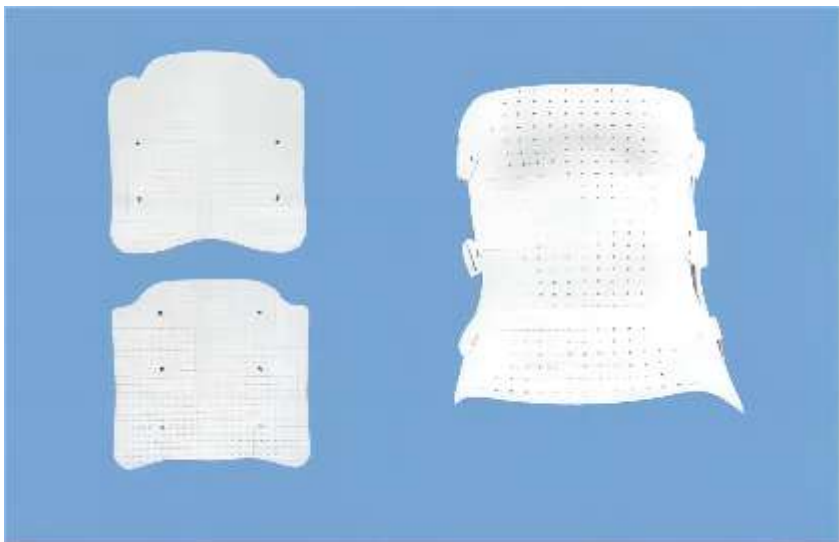
[abdominal and dorsal fixation] (double-sided type)

LSG-019

For spinal surgery, cerebral palsy and children scoliosis correction, spinal injury and other fixed, maintain the physiological curvature of the spine, so that the lumbar spine muscles and soft tissues get sufficient rest.

4.0\*420\*390mm 4.0\*450\*435mm 4.0\*540\*500mm

### 骨科 (orthopedics)



#### 【腰背心固定夹板】 LSG-020

用于脊柱术后、脑瘫及儿童脊柱侧弯矫正、脊柱损伤等固定、保持脊柱的生理弯曲，使得腰脊部脊柱的肌肉及软组织得到充分的休息。

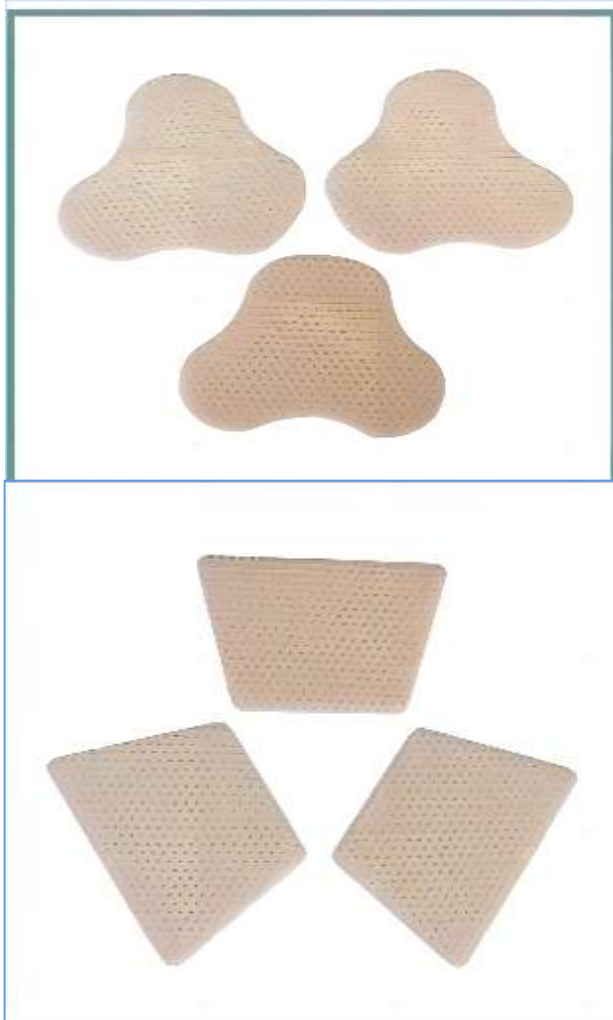
前520\*490\*3.2mm 后480\*500\*3.2mm 前  
500\*470\*3.2mm 后460\*480\*3.2mm 前  
480\*450\*3.2mm  
后440\*460\*3.2mm  
前460\*430\*3.2mm 后420\*440\*3.2mm

#### 【Waist vest Fixation Splint】 LSG-020

For spinal surgery, cerebral palsy and children scoliosis correction, spinal injury and other fixed, maintain the physiological curvature of the spine, so that the lumbar spine muscles and soft tissues get sufficient rest.

The first 520\*490\*3.2mm after 480\*500\*3.2mm The  
first 500\*470\*3.2mm after 460\*480\*3.2mm the first  
480\*450\*3.2mm  
Rear 440\*460\*3.2mm  
The front 460\*430\*3.2mm and the rear  
420\*440\*3.2mm

### 骨科 (orthopedics)



#### 【鼻梁骨折固定】

LSG-B01S 62\*55\*1.6mm/2.0mm

LSG-B01L 70\*61\*1.6mm/2.0mm

[Fixed nasal bridge fracture]

LSG-B01S 62\*55\*1.6mm/2.0mm

LSG-B01L 70\*61\*1.6mm/2.0mm

#### 【鼻梁骨折固定】

LSG-B02M 70\*49\*1.6mm/2.0mm

LSG-B02S 57\*30\*1.6mm/2.0mm

LSG-B02L 85\*60\*1.6mm/2.0mm

[Fixed nasal bridge fracture]

LSG-B02m 70\*49\*1.6mm/2.0mm

LSG-B02S 57\*30\*1.6mm/2.0mm

LSG-B02L 85\*60\*1.6mm/2.0mm



### 骨科 (orthopedics)



#### 【鼻梁骨折固定】

LSG-B03S 76\*55\*1.6mm/2.0mm

LSG-B03L 89\*64\*1.6mm/2.0mm

[Fixed nasal bridge fracture]

LSG-B03s 76\*55\*1.6mm/2.0mm

LSG-B03L 89\*64\*1.6mm/2.0mm



#### 【铝塑鼻膜板】 LSG-021

1.6mm/2.0mm

【Aluminum Plastic Nose Mask Plate】

1.6 mm / 2.0 mm

### 骨科 (orthopedics)



【手指型骨科外固定夹板】LSGG-001 用于指骨骨折指间关节脱位韧带及肌腱损伤.180\*140mm.

[finger type orthopaedic external fixation Splint] LSGG-001 is used for phalangeal fracture, dislocation of interphalangeal joint, ligament and tendon injury.180\*140mm.



【腕关节型骨科外固定夹板】LSGG-002 用于手及腕部神经、肌腱损伤.310\*200mm.

[wrist orthopedic external fixation Splint] LSGG-002 is used for nerve and tendon injury of hand and wrist.310\*200mm.

### 骨科 (orthopedics)



[腕关节孔型骨科外固定夹板] LSGG-003  
用于手及腕部神经、肌腱损伤、手腕部骨折的外固定.275\*215mm

[wrist perforated orthopaedic external fixation splint] LSGG-003  
It is used for external fixation of hand and wrist nerve, tendon injury and wrist fracture.275\*215mm



[肘关节型骨科外固定夹板]LSGG-004  
用于肘关节肌肉、肌腱、神经及软组织损伤、肘部骨折外固定.415\*257mm.

[external fixation splint for elbow joint type orthopedics]LSGG-004  
External fixation for elbow joint muscle, tendon, nerve and soft tissue injury, elbow fracture.415\*257mm.

### 骨科 (orthopedics)



[踝关节型骨科外固定夹板]LSGG-006  
用于踝关节处软组织及韧带损伤 '踝关节处稳定型骨折.604\*270mm.  
[External fixation splint for ankle joint type orthopedics]LSGG-006  
For soft tissue and ligament injury of ankle joint 'stable fracture of ankle joint.604\*270mm.



[踝关节U型骨科外固定夹板]LSGG-007  
用于踝关节处软组织及韧带损伤 '踝关节处稳定型骨折.790\*205mm.  
[U-shaped external fixation splint for ankle joint]LSGG-007  
For soft tissue and ligament injury of ankle joint 'stable fracture of ankle joint.790\*205mm.

## 骨科 (orthopedics)



[膝关节型骨科外固定夹板] LSGG-008  
用于膝关节肌肉、肌腱、神经及软组织损伤、  
腿部骨折外固定.500\*360mm.

[knee orthopaedic external fixation splint]  
LSGG-008

For external fixation of knee muscle, tendon,  
nerve and soft tissue injury, leg  
fracture.500\*360mm.



[长腿托型骨科外固定夹板] LSGG-009  
用于腿关节肌肉、肌腱、神经及软组织损伤、腿部骨折外  
固定.1102\*374mm.

[external fixation splint for long leg support] LSGG-009  
For external fixation of leg joint muscle, tendon, nerve  
and soft tissue injury, leg fracture.1102\*374mm.



### 放疗 (radiotherapy)



[U型头膜] LSF-M01(2.4×265×256mm)用于放疗科，起到头部的固定。

[Ushapedheadmembrane ]LSF-M01(2.4×265×256mm) is used in radiotherapy department to fix the head.



[U型头膜 (加长版)]LSFM02(2.4×316×256mm)用于放疗科，起到头部的固定。

[Ushapedheadmembrane(extendedversion)]LSF-M02(2.4×316×256mm) is used in radiotherapy department to fix the head.

## 放疗 (radiotherapy)



【腹膜】LSF-03 (2.4×460×75mm) 用于放疗科，起到体部的固定。

[Peritoneum] LSF-03 (2.4×460×75mm) is used for body fixation in radiotherapy department.



【头颈肩膜】LS-F04(2.4×600×485mm)用于放疗科，起到头颈肩部的固定。

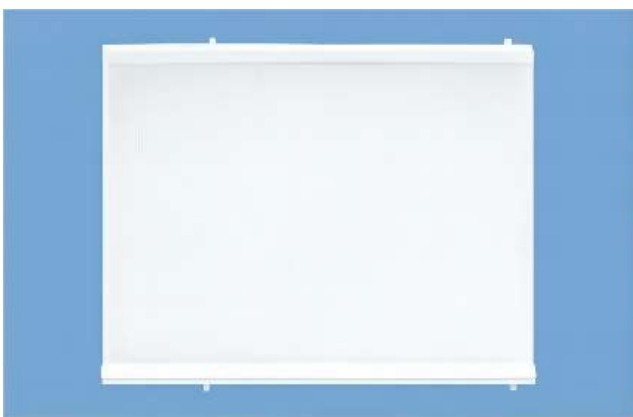
[head, neck and shoulder membrane] LSF-04(2.4×600×485mm) is used in the radiotherapy department to fix the head, neck and shoulder.

### 放疗 (radiotherapy)



**【体膜】** (多边条) LSF-05(2.4×460×478mm)用于放疗科, 起到胸部的固定.

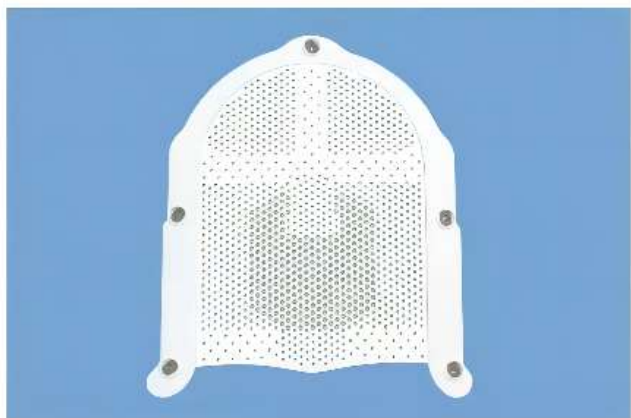
[Body membrane] (multilateral strip) LSF-05(2.4×460×478mm) is used in the radiotherapy department to fix the chest.



**【体膜】** LSF-06 (2.4×452×558mm) 用于放疗科, 起到腹臀部的固定.

[Body membrane] LSF-06 (2.4×452×558mm) is used in the radiotherapy department to fix the abdomen and buttocks.

### 放疗 (radiotherapy)



**【头膜】** (多孔) LSF-07(2.4×307×266mm)用于放疗科, 起到头部的固定。

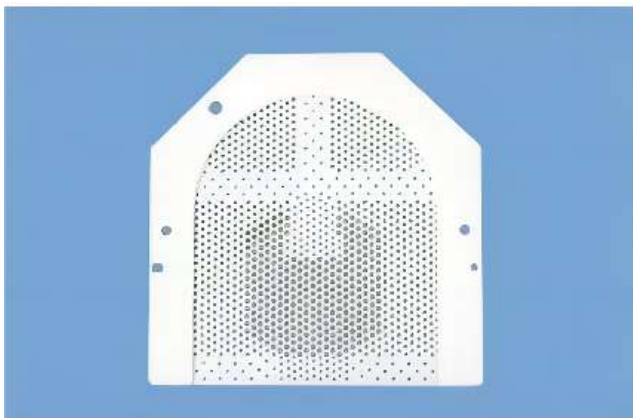
[Head membrane] (porous) LSF-07(2.4×307×266mm) is used in the radiotherapy department to fix the head.



**【T型头膜】** LSF-08(2.4×280×330mm)用于放疗科起到头部的固定。

[T-shaped head mask] LSF-08(2.4×280×330mm) is used for head fixation in radiotherapy department.

### 放疗 (radiotherapy)



【头膜】(多孔) LSF-09(2.4×265×255mm)用于放疗科，起到头部的固定。

[cephalic membrane] (porous) LSF-09(2.4×265×255mm) is used in the radiotherapy department to fix the head.

【S型头膜】LSF-10(2.4×290×268mm)用于放疗科，起到头部的固定。

[S-type head membrane] LSF-10(2.4×290×268mm) is used in the radiotherapy department to fix the head.

### 放疗 (radiotherapy)



【S型头颈肩膜】LSF-11(2.4×600×485mm)用于放疗科，起到头颈肩部的固定。

[S-type head, neck and shoulder mask] LSF-11(2.4×600×485mm) is used in the radiotherapy department to fix the head, neck and shoulder.

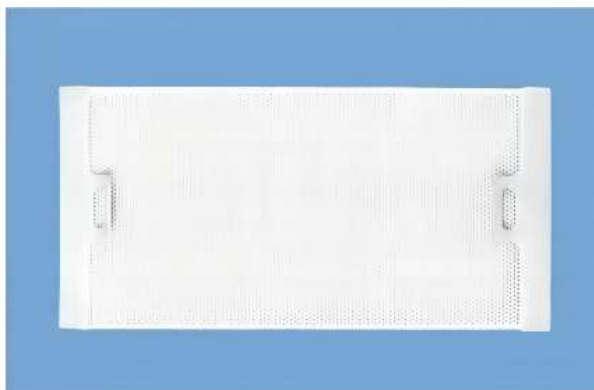


【五边条头颈肩膜】LSF-12 (2.4×455×548mm)用于放疗科，起到头颈肩部的固定。

[five-side head, neck and shoulder mask] LSF-12 (2.4×455×548mm) is used in the radiotherapy department to fix the head, neck and shoulder.



### 放疗 (radiotherapy)



【胸膜】LSF-13(2.4×460×228mm)用于放疗科，起到胸部的固定。

[Pleura] LSF-13(2.4×460×228mm) is used in the radiotherapy department to fix the chest.



【四边条颈肩膜】LSF-14(3.2×330×548mm)用于放疗科，起到头颈肩部的固定。

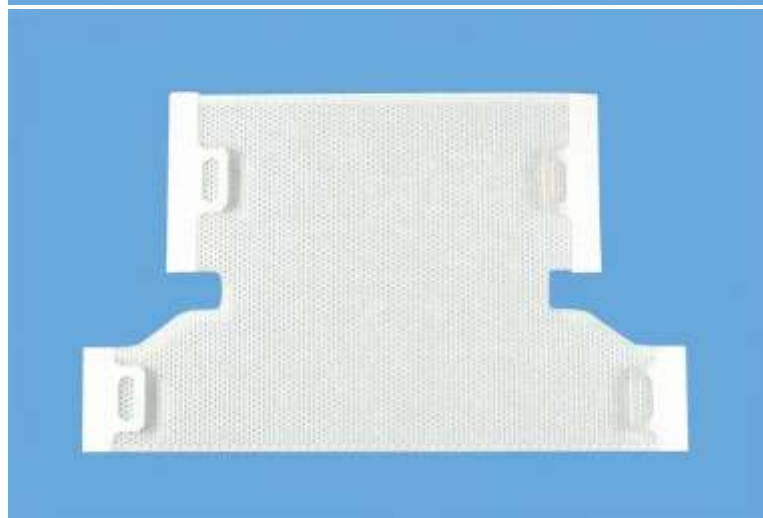
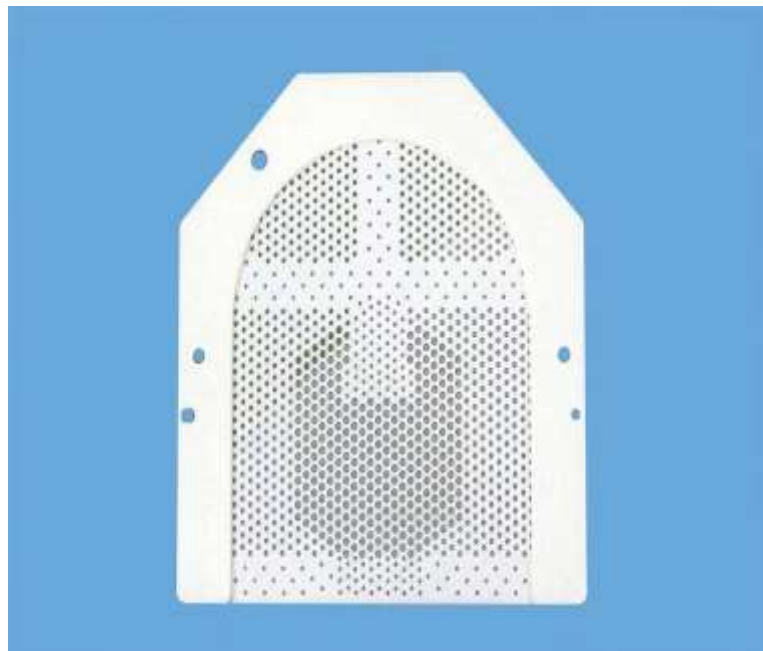
[Four side strip neck and shoulder mask] LSF-14(3.2×330×548mm) is used in the radiotherapy department to fix the head, neck and shoulder

## 产品大图 (Product map)



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## 产品大图 (Product map)

















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