

# Series 2200

**U** *Union Special*<sup>®</sup>

Portable Single Thread and Two Thread Sewing Machines for a flexible and reliable bag closure and maximum efficiency in sewing geotextiles.



## Reliability and Flexibility

The Series 2200 is a dependable and proven machine that's easy to operate and used by companies all over the world since 1978.

● **VERSATILE** ● **FAST** ● **RUGGED**



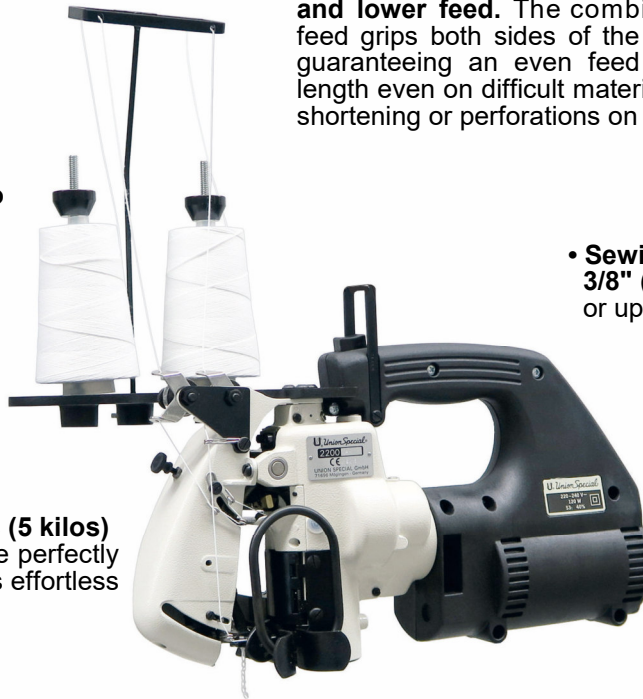
# Bag Closing



## What makes the 2200 so ideal for your operation?

### Special Features:

- **Adjustable stitch length**  
A easy adjustment for a stitch length range of 3-8½ stitches per inch (3-9mm).  
Standard setting: 3 stitches per inch (8mm).
- **Single thread chain stitch or two thread double locked stitch**  
All models for two thread double locked stitch (stitch type 401) can easily be converted into single thread chainstitch (stitch type 101) and vice-versa.
- **Built-in thread chain cutter**
- **Weight only approximately 11 lbs (5 kilos)**  
Light weight well-balanced machine perfectly fits the operator's hand and permits effortless operation.
- **Operating speed: 1200-1700 stitches per minute** (depending on material).  
This results in a linear travel of 31.5-44.5 feet per minute (9.6m to 13.6m) at a stitch length of 3 SPI (8mm).
- **Dustproof motor housing and permanently lubricated motor ball bearings.**
- **Consistent stitch length due to combined upper and lower feed.** The combined upper and lower feed grips both sides of the bag like pincers, thus guaranteeing an even feed and consistent stitch length even on difficult materials-no undesired stitch shortening or perforations on paper or plastic bags.
- **Sewing capacity: up to 3/8" (9mm) or up to 24 plies of paper.**
- **Stand-up feature**  
The design of the motor housing permits the operator to set aside the unit in an upright position when not in use.
- **Direct drive** with a fan cooled, advanced design electric motor. Motor speed almost continuous even under various loads, when sewing light or heavy weight goods. Heavy duty, automatic shut-off carbon brushes prevent damages to the armature. Motor housing with handle made of fiberglass-reinforced break-resistant polyamide. Power cable approx. 16 ft. (5m) long.



Compressed air-powered **Style 2200L** is ideal for humid environments. Hose and regulator are not included.



Battery powered **Style 2200GMR** for operations where no electricity is available! Plug in battery charger included.

# Your Partner for Highest Expectations



Available Styles			Optional Devices		
Electrical Specifications	Two thread chainstitch type 401	Single thread chainstitch type 101	Top lock spring balancer 90191M	Pedestal H1400TWS	Pedestal H1400FWS
220-240V, 50/60Hz Protection Class I (with ground)	2200A	2200AA	•		•
110-125V, 50/60Hz Protection Class I (with ground)	2200B	2200BA	•		•
220-240V, 50/60Hz Protection Class II (with protective insulation)	2200AS	2200AAS	•		•
12V DC Protection Class III (safety extra-low voltage)	2200M	2200MA	•		•
Compressed-air motor. Operating pressure 50 psi, air consumption 8.5 CFM (3.5 bar, 240 liters/min.)	2200L	2200LA	•		
Styles with start/stop controlled by feeler switch					
220-240V, 50/60Hz Protection Class I (with ground)	2200AT			•	
110-125V, 50/60Hz Protection Class I (with ground)	2200BT			•	
Styles with tape folder and solenoid operated tape cutting device. Start/stop and cutter switch in handle					
220-240V, 50/60Hz Protection Class I (with ground)	2200AB	2200AAB	90191MA1		
Styles for sewing Geotextiles					
220-240V, 50/60Hz Protection Class I (with ground)	2200GA		•		
110-125V, 50/60Hz Protection Class I (with ground)	2200GB		•		
Rechargeable Battery operated style					
24V, 120 watt DC-motor (220-240V, 50/60Hz battery charger) Protection Class III (safety extra-low voltage)	2200GMR		•		



# The Better Choice...

## Union Special®

### Accessories to help you get the most out of your 2200:

#### Top lock spring balancer 90191M:

Recommended for effortless operation of the machines. A top lock spring balancer reduces operator fatigue, and keeps the suspended machine always handy and safe.



**Bag feed-in guide 2203E** provides control of bag top into sewing area and serves as a sewing guard.

**Bag feed-in guide 2103E** with extended guides for styles which are used stationary with a pedestal; also serves as a sewing guard. (See photo)

For stationary installation, Union Special offers two pedestal styles consisting of a base and column with clamp to be attached or screwed to any table. The vertically adjustable clamping device can be easily lowered or raised to accommodate closing bags and sacks of various sizes.

The pedestals styles are:

**Pedestal H1400FWS** consisting of base, 21" long column (535mm), machine support and electric foot switch (See photo).

**Pedestal H1400TWS** similar to H1400FWS, but without electric foot switch, for feeler switch-operated styles 2200AT/BT.

**Movable table 90709PSA** with solid steel frame and formica table board. The table board is fitted with a roller-type conveyor. Length 1060mm; width 550mm; Height adjustable from 860 to 970mm. Further tabling on request.



## THE SUBCLASSES 2200G... ARE THE #1 PORTABLE MACHINES FOR SEWING GEOSYNTHETICS — *WHY?*

- ◆ **Rugged, portable unit.**  
Although it only weighs approx. 5kg, the subclasses 2200G... stands up to rugged everyday use, even under harsh conditions. Sealed, dustproof motor bearings; break resistant handle/motor housing plus long-life motor brushes are your assurance for a long lasting return on investment.
- ◆ **Adjustable stitch length of 3 to 8½ SPI (3-9mm)**  
Easy setting of stitch length to meet different seam specifications.
- ◆ **More Feeding power**  
The **Extra Heavy upper and lower feed** helps with difficult fabrics. The unit pulls itself forward on the material and thereby reduces fatigue.

