

VERSATILE

FAST

RUGGED



for Bag Closing

for Geotextiles

The  
Class 2200



Portable Single Thread  
and Two Thread Machines



 Union Special®

For a *flexible and reliable system* for bag closing...

For *maximum efficiency* in sewing geotextiles...

the choice is obvious... **Class 2200**  
the portable

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

What makes the 2200 so ideal for your operation?

- **Adjustable stitch length**

A simple 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.

- **Sewing capacity: up to ¾" (9 mm), or up to 24 plies of paper.**

- **Built-in thread chain cutter**

- **Weight only approximately 11 lbs (5 kilos)**

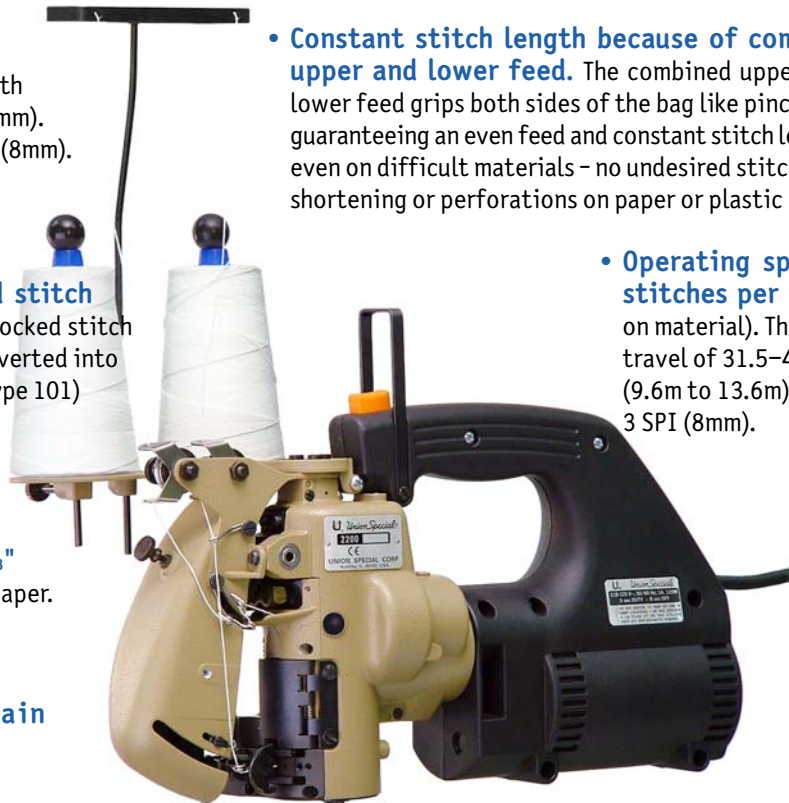
Light weight well-balanced machine perfectly fits the operator's hand and permits effortless operation.

- **Dustproof and permanently lubricated motor ball bearings.**

- **Constant stitch length because of 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 constant stitch length even on difficult materials - no undesired stitch shortening or perforations on paper or plastic bags.

- **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).



- **Direct drive** with a fan cooled, advanced design electric motor. Motor speed nearly constant, 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.

**U** *Union Special*<sup>®</sup>

| Electrical Specifications  | available styles                |                                    | optional devices                |                 |  |
|--|---------------------------------|------------------------------------|---------------------------------|-----------------|--|
|  | Two thread chainstitch type 401 | Single thread chainstitch type 101 | Top lock spring balancer 90191M | Pedestal H1400T | Pedestal H1400F                                    |
| 220-240V, 50/60 cycles<br>Protection Class II* (with protective insulation)                                | 2200AS                          | 2200AAS                            | •                               |                 | •  |
| 220-240V, 50/60 cycles<br>Protection Class I (with ground)   | 2200A                           | 2200AA                             | •                               |                 | •  |
| 110-125V, 50/60 cycles<br>Protection Class I (with ground)   | 2200B                           | 2200BA                             | •                               |                 | •  |
| 42V, 50/60 cycles<br>Protection Class III (safety extra-low voltage)                                       | 2200F                           | 2200FA                             | •                               |                 | •  |
| 24V DC<br>Complete with battery belt   | 2200MB                          | 2200MAB                            |                                 |                 |  |
| 12V DC<br>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, 50/60 cycles<br>Protection Class I (with ground)   | 2200AT                          |                                    | •                               | •               |  |
| 110-125V, 50/60 cycles<br>Protection Class I (with ground)   | 2200BT                          |                                    | •                               | •               |  |
| Styles with rust resisting sewing parts for sewing under wet conditions                                    |                                 |                                    |                                 |                 |  |
| 42V, 50/60 cycles<br>Protection Class III (safety extra-low voltage)                                       | 2200FC                          | 2200FAC                            | •                               |                 | Available with powder coated movable stand 90709FB |
| Compressed-air motor. Operating pressure 50 psi, air consumption 8.5 CFM (3.5 bar, 240 liters/min.)        | 2200LC                          | 2200LAC                            | •                               |                 |  |
| Styles with tape folder and solenoid operated tape cutting device. Start/stop and cutter switch in handle. |                                 |                                    |                                 |                 |  |
| 220-240V, 50/60 cycles<br>Protection Class I (with ground)   | 2200AB                          | 2200AAB                            | 90191MA1                        |                 |  |
| 110-125V, 50/60 cycles<br>Protection Class I (with ground)   | 2200BB                          |                                    | 90191MA1                        |                 |  |



*Compressed air-powered Styles 2200L, LA are ideal for wet environments.*



*Sew-thru tape closure Styles 2200AB, BB come with tape folder and solenoid operated tape cutting device.*



## Accessories to help you get the most from your 2200

**Top lock spring balancer 90191M** or **90191MA1** (see chart) is 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 2103E** with extended guides provides control of bag top into sewing area for styles which are used stationary with a pedestal and also serves as a sewing guard.

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 H1400F** consisting of base, 21" long column (535mm), machine support and electric foot switch (inset photo).

**Pedestal H1400T** similar to H1400F, but without electric foot switch, for feeler switch-operated styles 2200AT/BT.

Tabling for stationary installations:

**Movable table 90709PS** with solid iron frame and formica table board 21¾"x41¾", height 36¾" (55x106cm, 92cm high). The table board is fitted with a roller-type conveyor.

Further tabling on request.



## THE 2200 CLASS IS THE #1 PORTABLE MACHINE FOR SEWING GEOSYNTHETICS — WHY?

- **Rugged, portable unit**

Although it weighs just 11 pounds, the 2200 stands up to hard everyday use, even under harsh conditions. Sealed, dustproof motor bearings; break resistant handle/motor housing; long-life motor brushes are your assurance of a **lasting** investment.



- **Adjustable stitch length of 3 to 8½ SPI**

Easily set the stitch length to meet different seam specifications.

- **Feeding power**

The upper and lower feed helps with hard-to-feed fabrics.

The unit moves itself as it sews, versus the operator pulling it along, thus reducing fatigue.

- Two thread or single thread stitch type
- Electric or pneumatic version
- ¾" sewing capacity

### ACCESSORIES

- LTS1 Thread Stand for use with 1# thread cones
- MB100 Carrying Case



**Union Special**

Subject to change without notice.

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