VERSATILE • FAST • RUGGED

for Geotextiles

for Bag Closing

The Class 2200

Portable Single Thread and Two Thread Machines

U *UnionSpecial*

Finest Quality

The trusted name in bag machines since 1881

For *maximum efficiency* in sewing geotextiles...
For a *flexible and reliable system* for bag closing...
the choice is obvious...
the portable Class 2200

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 ⅜" (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.** The motor can be made dustproof also, by inserting the plastic covers and gaskets (delivered with the accessories of the machine,) into the motor vent slots.
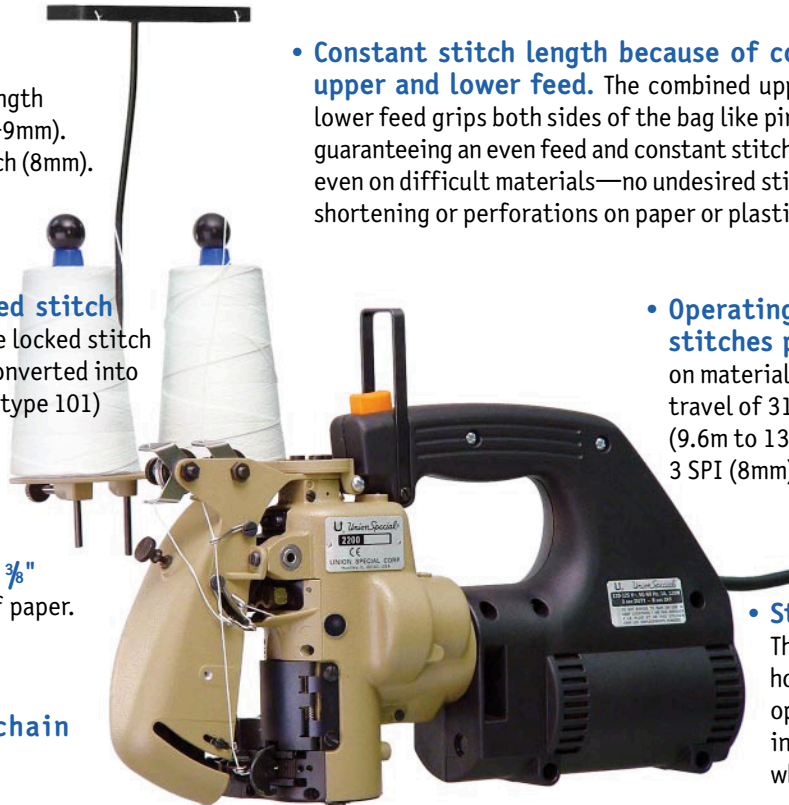
• **Constant stitch length because of combined upper and lower feed.** The combined upper and lower feed grips both sides of the bag like pincers, thus guaranteeing an even feed and constant stitch length even on difficult materials—no undesired stitch shortening or perforations on paper or plastic bags.

• **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).

• **Stand-up feature**
The design of the motor housing permits the operator to stand the unit in an upright position when not in use.

• **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.

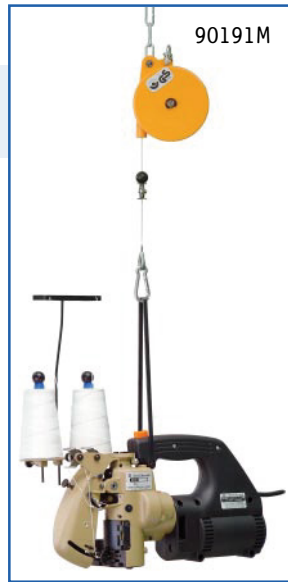| available styles			optional devices		
Electrical Specifications	Two thread chainstitch type 401	Single thread chainstitch type 101	Top lock spring balancer 90191M	Pedestal H1400T	Pedestal H1400F
220–240V, 50–60 cycles Protection Class I (with ground)	2200A	2200AA	●		●
110–125V, 50–60 cycles Protection Class I (with ground)	2200B	2200BA	●		●
220–240V, 50–60 cycles 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	●		
42V, 50–60 cycles Protection Class III (safety extra-low voltage)	2200F	2200FA	●		●
Styles with start/stop controlled by feeler switch					
220–240V, 50–60 cycles Protection Class I (with ground)	2200AT		●	●	
110–125V, 50–60 cycles Protection Class I (with ground)	2200BT		●	●	
Styles with chromium plated sewing parts for sewing under wet conditions					
42V, 50–60 cycles Protection Class III (safety extra-low voltage)	2200FC	2200FAC	●		Available with hot galvanized 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 & solenoid operated tape cutter. Start/stop and cutter switch in handle.					
220–240V, 50–60 cycles Protection Class I (with ground)	2200AB	2200AAB	90191MA1		
110–125V, 50–60 cycles Protection Class I (with ground)	2200BB		90191MA1		

Sew–thru tape closure Style 2200AB/BB comes with folder, tape reel, guide and solenoid powered cutter. (Folder, tape reel and guide also sold separately.)

Compressed air–powered Style 2200L is ideal for wet environments. Hose and regulator are standard.

Accessories to help you get the most from your 2200

Top lock spring balancer 90191M or **90191MA1** (see chart, page 3) 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.

90191M

2103E

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.

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 accomodate 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 36¼" (55x106cm, 92cm high). The table board is fitted with a roller-type conveyor.

Table 90709PS with Pedestal H1400F

The 2200 Class is the #1 Portable Machine for Sewing Geosynthetics — *Why?*

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

2200 EXCLUSIVES →

➜ 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   ◆ ⅜" sewing capacity

Accessories

◆ LTS1 Thread Stand for use with 1# thread cones

   ◆ MB100 Carrying Case

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