



Industrial Mini Sewing Systems

SOLUTIONS FOR CLOSING ALL TYPES OF OPEN MOUTH BAGS



jute, burlap, cotton,
paper, poly-lined paper,
polyethylene, woven
or laminated
polypropylene.



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SMART SOLUTIONS

● Industrial Mini Sewing Systems ●

Sewing remains the ideal solution to close "open mouth" bags of any kind of material (jute, burlap, cotton, paper, poly-lined paper, polyethylene, woven or laminated polypropylene). Fischbein Mini Sewing Systems can operate manually, semi-automatically and automatically for small outputs up to 250-300 bags/hour.

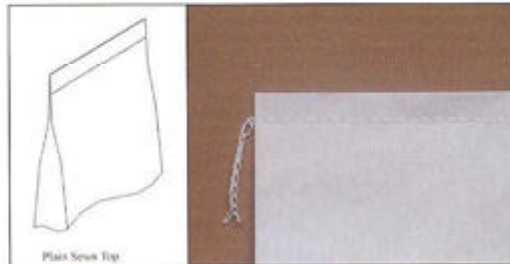
When using a Fischbein Portable machine on Mini Systems:

- ☐ The stitch length is 7 mm and is not adjustable
- ☐ The maximum bag thickness is 7 mm
- ☐ The closure is with one thread, stitch type 101

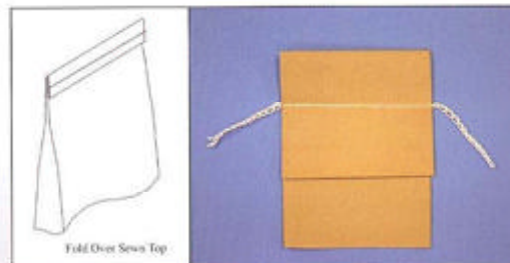
Models FS, FTS, FFS and FUA are all delivered on a fixed column, with an electrical box and a sewing machine FB.

The type of closure will be:

- ☐ Plain sewing with one thread



- ☐ Plain sewing with fold over



- ☐ Tape sewing with crepe paper



Summary:

- Manual Mini Systems without the possibility of evolution: PP – FP – Bag Mobile (sewing: plain or plain after folding or with crepe paper).
- Semi-automatic Mini Systems: FS (plain sewing or plain sewing after folding) – FU (tape sewing with crepe paper – not illustrated here).
- Automatic Mini Systems: FTS (plain sewing) – FFS (plain sewing after folding) – FUA (tape sewing with crepe paper).
- Automatic Mini Systems with conveyor (compact and complete): JDV8/F – JDF8/F.



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● Manual Mini System ● ● Model PP ● Plain Sewing ●

Application:

This pedestal is used to fix temporarily or permanently a Portable sewing machine model F which still can be used as an independent Portable machine. This is only valid for small productions (bags up to 25kg). To close all types of bags (paper, polypropylene, polyethylene, jute, burlap) by plain sewing, for small productions.



Operation mode:

The operator fixes the Portable on the stand. A small table on "V" rollers on a track or a small conveyor with rollers mounted on its surface is used to convey the bag through the system. He introduces the bags by hand into the machine. A feeler switch starts and stops the sewing process. In case of need, the operator can also remove the Portable and use it everywhere as a stand alone Portable machine.

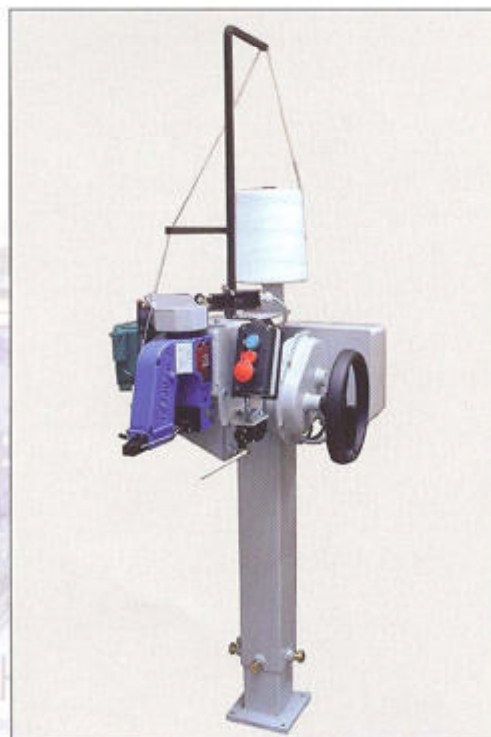
● Manual Mini System ● ● Model FP ● Plain Sewing ●

Application:

To close all types of bags (paper, polypropylene, polyethylene, jute, burlap) by plain sewing, for small productions.

Operation mode:

The operator reforms the bag top, feeds it manually into the sewing machine model FB, guides it and pushes the thread chain into the cutting knife after stitching.





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- Manual Mini System ●
- Bag Mobile 70000 BM ● Plain or tape Sewing ●



Application:

To close all types of bags (paper, polypropylene, polyethylene, jute, burlap, nett) either by plain or tape sewing, for small productions. Bags up to 15 kg.

Operation mode:

The operation is fully manual. This movable bag mobile is mounted on a height adjustable trolley and is equipped with a scale and a conveyor with rollers. After weighing the bag, the operator introduces the bag by hand into the Portable F, sliding the bag on the conveyor with rollers. A footswitch starts and stops the sewing process. The operator has to push the thread chain into the cutting knife after stitching. The operator can also remove the Portable and use it everywhere as a stand alone Portable machine.

- Semi-automatic Mini System ●
- Model FS ● Plain Sewing ●

Application:

To close all types of bags (paper, polypropylene or polyethylene) by plain sewing.

Operation mode:

The operator reforms the bag top and feeds it manually into the sewing machine model FB. The sewing process starts when the feeler switch is activated. At the end, the pneumatic chain pusher pushes the thread chain into the knives to cut it. To have a smooth operation of the Mini System a conveyor is required. The conveyor can be controlled by a foot-switch.





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● Automatic Mini System ● ● Model FTS ● Plain Sewing ●



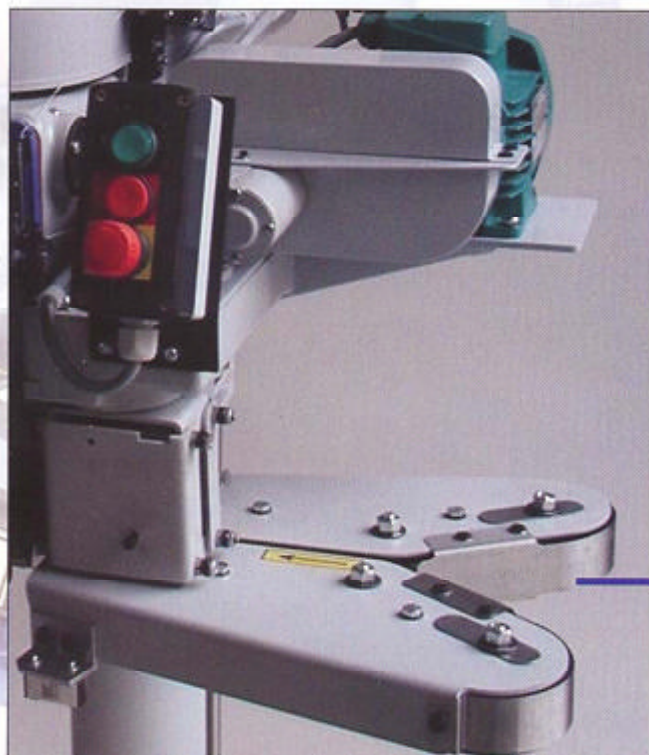
Application:

To close all types of bags (paper, polypropylene or polyethylene) by plain sewing.

Operation mode:

The already reshaped bag is introduced into the infeed which guides the bag to the sewing machine model FB. The sewing process starts when the feeler switch is activated. At the end, the pneumatic chain pusher pushes the thread chain into the knives to cut it. To have a smooth operation of the Mini System a conveyor is required. The conveyor can be controlled by a footswitch.

● Automatic Mini System ●



Role of the infeed for Automatic Mini Systems:

The infeed is a motorized system designed to bring automatically the leading edge of the bag into the sewing machine model FB without any operator, allowing to sew the bag automatically. All Fischbein infeeds are driven by a motor and belt driven gear box. The motor is equipped with an adjustable pulley allowing easy synchronisation with the sewing machine model FB and the conveyor belt speeds. They use 19 mm wide flat belts for a good grip of the reformed bag's top instead of dangerous heavy metallic chains. The front section of the infeed is hinged and spring loaded allowing an easy passage of various thicknesses of bags.

Several types of infeeds for Mini Systems:

- ☐ simple for FTS
- ☐ folding for FFS
- ☐ trimming for FUA



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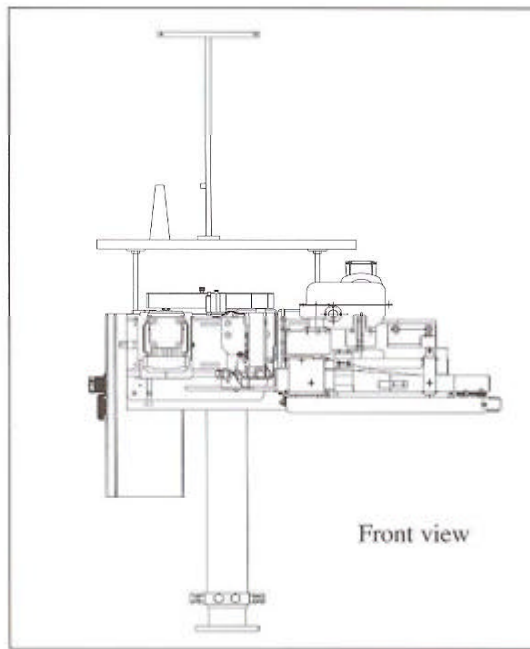
- Automatic Mini System ●
- Model FFS ● Plain Sewing after folding ●

Application:

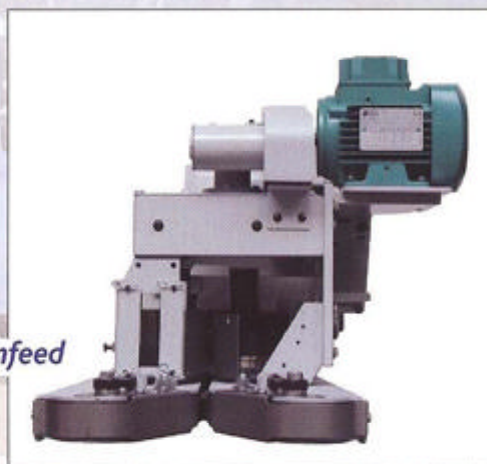
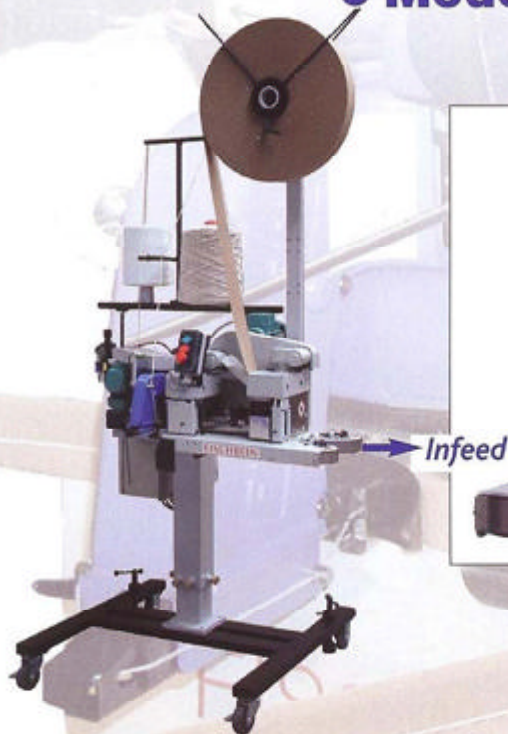
To close all types of bags (paper, woven polypropylene, laminated polypropylene bags) by plain sewing, for small productions.

Operation mode:

The already reshaped bag is introduced into the infeed with fold over device which folds and guides the bag's top to the sewing machine model FB. The maximum folded bag thickness is 5 mm. The sewing process starts and stops either by micro switch or by photo electric switch. At the end, the pneumatic chain pusher pushes the thread chain into the knives to cut it. To have a smooth operation of the Mini System a conveyor is required. The conveyor can be controlled by a footswitch.



- Automatic Mini System ●
- Model FUA ● Tape Sewing ●



Infeed 2700M

Application:

To close paper, laminated polypropylene or polyethylene (min. 120μ) bags by tape sewing.

Operation mode:

The already reshaped bag is introduced into the infeed. The bag top is trimmed. The sewing process starts when the feeler switch is activated. At the end, the thread chain/tape is cut by the pneumatic linear cutting knife.

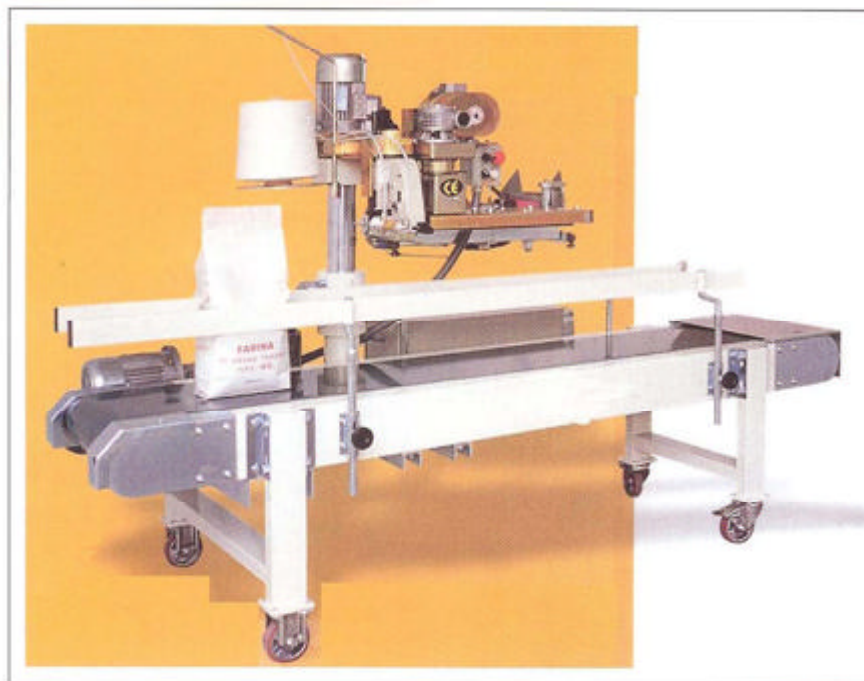
To have a smooth operation of the Mini System a conveyor is required. The conveyor can be controlled by a footswitch.



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- Automatic Mini System ●
- JDF8-F ● Plain Sewing ●



Application:

This compact and complete Mini System is built to be used in the potato and onion industry. It is used for small bags (5 to 30 kg) and low production level.

Operation mode:

The Mini System is mounted on a flat belt conveyor with electrical height adjustment. The already reshaped bag is introduced into the infeed which guides the bag to the sewing machine model FB. The sewing process starts when the lever switch detects the bag. At the end, the electro pneumatic blower blows the thread chain into the knives to cut it.

- Automatic Mini System ●
- JDV8-F ● Plain Sewing ●

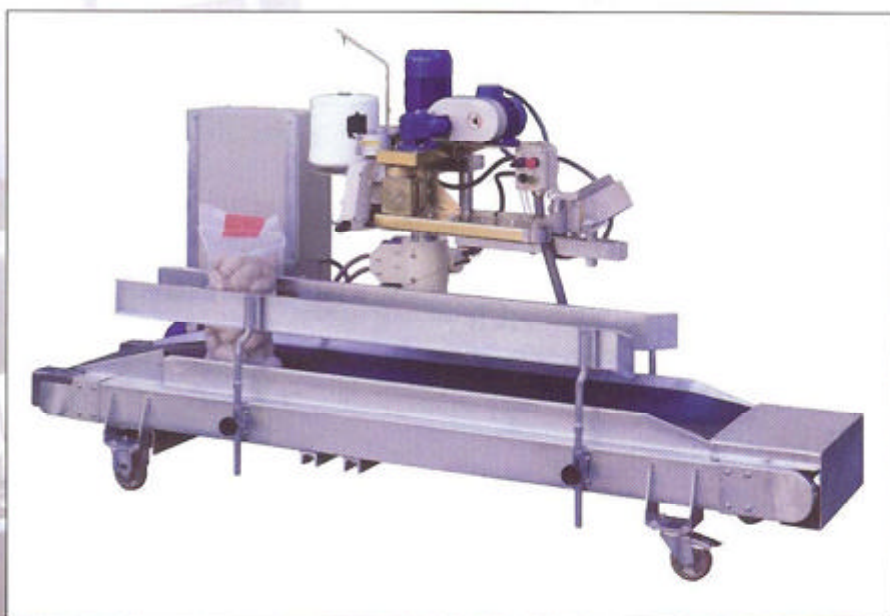
Application:

This compact and complete Mini System is built to be used in the potato and onion industry. It is used for small bags (5 to 30 kg) and low production level.

Operation mode:

The Mini System is mounted on a V shape belt conveyor with electrical height adjustment.

The already reshaped bag is introduced into the infeed which guides the bag to the sewing machine model FB. The sewing process starts when the lever switch detects the bag. At the end, the electro pneumatic blower blows the thread chain into the knives to cut it.





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