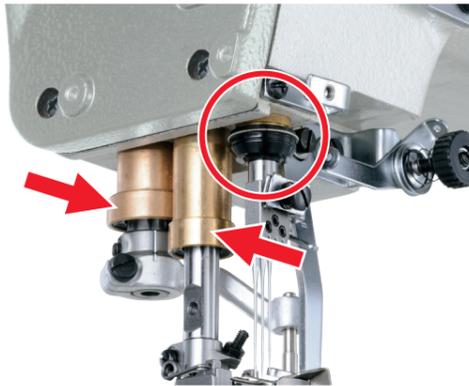




**Point 1** Shuts out oil stains!



The needle bar include a newly designed seal, exerting dramatic "Oil Barrier" effectiveness, preventing oil leakage and oil splashes. And maintenance is very simple and easy, such as change the oil seal.

This "Oil Barrier" feature completely blocks even one drop of oil leaking from the needle bar and even while the machine is stopped at night.

Thanks to this stable lubrication and high "Oil Barrier" effectiveness, the MLS plus type machines protect your important sewn products against oil stains.

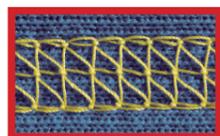


This feature reduces oil stains on sewn products, decreasing the use of stain remover. The W3500P series is a reliable sewing machine that creates a clean work environment and contributes to global environmental protection.

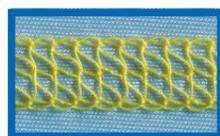
**Point 2** New needle thread take-up mechanism



"Soft/tight seams" can be easily changed to "tight/soft seams," responding to a wide variety of sewn products made of extra light to heavy weight fabrics. **Patent pending**



"Tight seam"



"Soft seam"

**Point 3** Detachable looper thread take-up



So it is easier to solve unexpected trouble. The installation position is reproducible with no adjustments.

In addition, the looper thread guide bracket slides out further toward the operator, so threading the looper becomes easier.



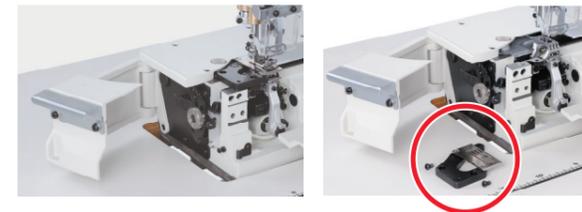
● The oil filter catches dirt and dust, keeping the oil clean.



● An alignment mark has been added to the spreader. Thanks to this mark, re-installing the spreader is easy.

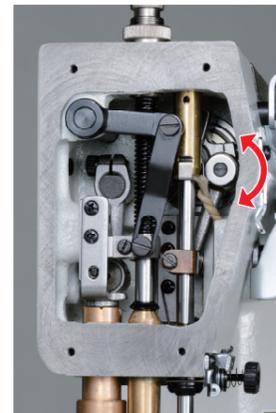


**Point 4** Easy maintenance!

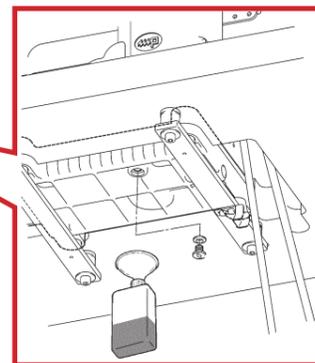


The old design of the side and front covers has been changed. They can now be opened wide, so threading the machine and maintaining the area around the gauge parts are easy. In addition, removing the needle plate bracket is also easy. Thanks to this change, maintenance hours have been shortened. **Patent pending**

**Point 5** User friendly



● Needle bar stroke can be changed easily. So, the machine can sew from light to heavy materials.



● The drain hole is positioned at the bottom of the oil reservoir, so there is no need to remove the machine from the machine table when old oil is replaced.

● Thanks to the newly introduced tilt adjustments that can go through the cross seam sections smoothly.



◆ Option/Device

**UT** Thread trimmer

Threads are easily cut, by pressing the treadle with the heel on an interlock stitch machine. There is no need for the operator to cut the threads when sewing is completed. This feature greatly enhances operator efficiency and allows for increased production.

**AT TK** Tape/Thread chain cutter

These devices cut a tape and/or thread chain at the start and end of sewing. No scissors are needed, resulting in greater operational efficiency. Two types of driving sources are available, pneumatic and electric.

**MU** Tension-adjustment type elastic feeder

The tension-adjustment type elastic feeder (MU) feeds the elastic lace according to preset data while adjusting tension exerted on the elastic lace, so uniformly finished and quality products are obtained.



**PL** Presser foot lift

Pressing the treadle with your heel raises the presser foot. This device is easy to use, thus decreasing operator fatigue and increasing productivity.

**MD** Mechanical metering device

The elastic lace feeder with a mechanical metering device (MD), feeds the elastic lace according to the feeding amount of fabric that is fed, so that the feed of the elastic lace is even if the machine speed is changed. This results in uniform and beautiful elastic lace attaching operations.



**FT** Fabric edge trimmer

This is a device that trims the edge of the fabric when interlock stitch machines perform hemming, tape attaching or elastic inserting operations. The edge of the fabric is evenly and neatly finished.