

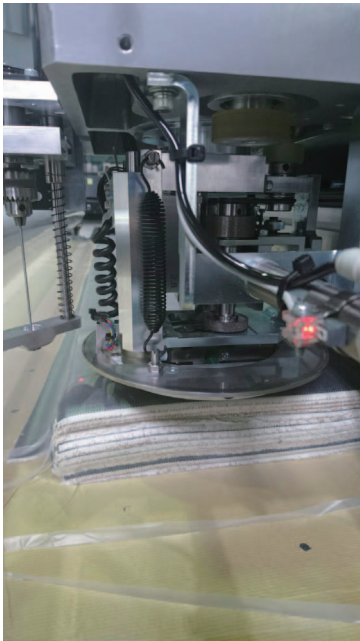
## ~TSM/TAKAOKA Group~ Welcome our new LFC system! Drastically upgrade the art of cutting

With more than 25 years of experiences and thousands set of machines sold, we hear you.

We hear what is this industrial needing for.

Just this Aug, the new function “Lateral Force Canceller (LFC)” has come to you.

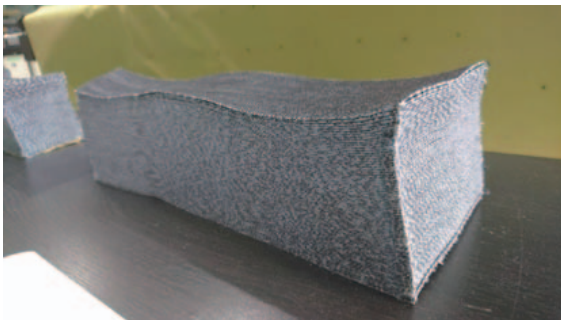
<Features of TC-7000>



while LFC is ready to cut

Cutting hard fabrics such as denim has always been a challenge to our industrial. As the height and thickness of the material now ever-changing, the force applied onto the cutting blades also becomes greater, which is tends to lead to knife damaging and lower cutting precision. Skillful experiences are especially required for factory workers if the cutting works are done manually.

To support factories



After cutting, 80 layers for Denim is an easy target

in cutting hard fabrics, and reduce the need for human resources, TSM is bringing a new artificial intelligence technology into its Robot Cut auto cutter, aiming to replicate the skills and techniques needed for such cutting work.

With our newest development of the LFC system, precision and quality for cutting hard materials can now be impressively improved. Designed and renovated in cooperation with TAKAOKA in Japan, the LFC system can detect the force applying on the knife blades in real-time, and automatically adjusts the cutting angle to reduce the pressure loading on the blade.

Our new LFC system can help ensure the cutting angle of the blade is straight, and that the product size will be all the same from top to bottom. It is especially useful for

harder fabrics such as Car-seat, Denim, and other industrial use materials. For example, with the assistance of this new technology, the newest 4WB-T auto cutter is now able to cut at least 20 more plies of denim than before. (Depends on the type of denim)

With its excellent technology, 80 layers of Denim is a easy target.

As with last year’s developed MRC knife micro-control, we TSM/TAKAOKA group is striving to continuously improve our mechanical technology. With a complete product line of Spreading machine, Auto cutter, Needle detector, etc., and cross-national resources between TSM and TAKAOKA, the ever-growing corporation group is committed to provide the best cutting room solution to all customers.

<Features of NA-800HDV>

We have a great news that need to share with you, that is our new spreading machine NA-800HDV with belt type cradle system is coming right now and ready for catching orders. This machine is suitable for jeans, woven and with max 150 to 200 kg of loading weight. And our next target is to modify to upgrade with max 350 kg of loading weight in the very near future.

I know you must be very interested and excited to see this new product, please see below our website link for more details with machine videos. <http://www.tsm-tsc.com/>

<Features of ND-225>

The newest range of needle detectors designed by UK, represent the next generation of digital instruments, to protect consumers from needle stick injury, ensuring product integrity, whilst enabling compliance validation to safeguard retailer brand reputation.

Designed and tested in the UK, using proven detector technology Needle Detection systems offers a fully integrated inspection solution, ensuring clothing, footwear, soft toys, and other next-to-skin sewn products such as automotive and home textiles are free of potentially dangerous broken needle parts.

With high sensitivity 360° balanced Coil design compare to traditional magnets type for proven high sensitivity.

Finding the right metal: ‘Phase-detection’ signal processing techniques enable machine software to distinguish between different types of metal. This means it is able to detect small fragments of broken needles whilst ignoring other metals including non-ferrous zipper, studs and accessories.