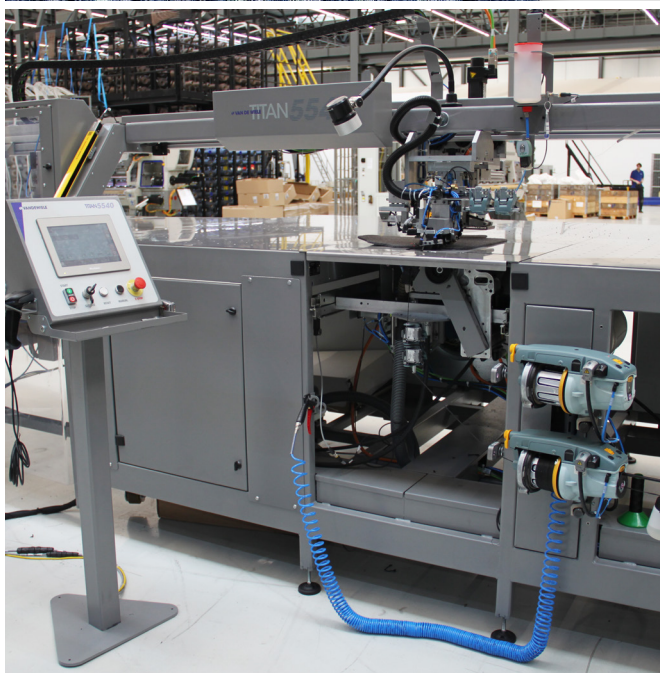
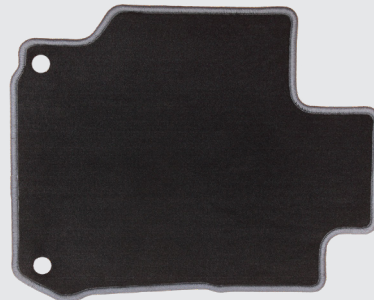


TITAN 5540

Automatic overedging system for car carpets.

APPLICATIONS

For all types of car carpets with complex shapes and door mats with square corners.
No programming necessary. Easy to use.
High flexibility. One operator can supervise :
4 automatic machines !



DESCRIPTION

- Precut carpets with complex shapes are loaded in the loading station. The carpets are selected automatically one by one by the machine and placed on an airtable
- Robot arm takes the carpet and feeds the carpet to the sewing head = Sewing head detects carpets and automatically starts sewing, no programming of shape is necessary
- After simultaneously turning and sewing the external or internal curves, the robot arm pulls carpet, threads are cut, and the last stitch is fixed at the back with ultrasonic welding
- Robot brings finished carpet to unloading station and palletizes it.
- At the same time second robot-arm is feeding a new carpet to the sewing head
- Easier threading and improved sewing quality
- NEW : Touch on screen > change to square corners

OPTIONS

- Open system can be combined with cutting + labelling + bar code reader, rolling-up and packaging systems

SPECIFICATIONS

SPEED

Operating at 3200 spm :
High speed sewing

STITCH WIDTH SOFTWARE

10 - 12 mm standard
For computer monitoring of
production output of the machine

3 MACHINE SIZES

5540-S : 60 x 90 cm max carpet size
5540-S/M : 100 x 120 cm. Maximum carpet size
5540-M : 100 x 150 cm max carpet size

PROPERTIES

- Latest PLC technology
- Tufted and Needle-punched Rugs or Mats.
- One operator can supervise up to 4 automatic systems.
- No programming of the shape of the carpet, due to unique system which is reading and measuring the shape of the carpet and automatically sews the complex shapes or square corners.
- Sewing threads are cut, the last stitch is fixed and the finished carpets are stacked on a pallet. No extra handling of the carpets is necessary after sewing.
- Simple and clear instructions are given to the operator on the screen
- Easy set-up, maintenance and servicing.
- Clear and extended instruction manual & technical hot-line available.
- Three colors status lamp included to minimise stop times.
- Complete security fence included. System in full accordance with the most strict security norms.

TECHNICAL CHARACTERISTICS

SEWING SPEED	Operating at 3200 rpm
CARPET DIMENSION	S : 60 x 90 cm S/M : 100 x 120 cm M : 100 x 150 cm
CARPET SHAPE	Carpets with complex shapes or square corners
SENSOR DETECTION	Carpet position Jamming detection Thread breakage detection Sensor function monitoring Needle breakage Cutting, loading and unloading of carpet, monitoring Error display Operator intervention display Automatic oil filter system + oil cooling Status lamp Dust removal by vacuum-cleaner system
MEMORY & DISPLAY	Can be combined with other systems such as labelling and rolling up.
OPEN SYSTEM	



SPEED	STITCH WIDTH	THICKNESS	FABRIC FEED	NEEDLES
				
3200 rpm	10 mm	10 mm	Bottom	1