



ATM ALFAMAT
Alfier Textilmaschinen GmbH

ATM ALFAMAT 3NR 115N TMC 300 DG

Our new in-house developed double chain stitch machine **ATM ALFAMAT 3NR 115N TMC 300 DG** is cost effective and offers a worldwide unique technology in the quilting industry.

With our new **ATM ALFAMAT 3NR 115N ATM400 TMC 300DG** machine it is possible to control and quilt all three needle bars at the same time or each needle bar by it self.

The **ATM400 TMC** controller is an advanced model on the **ATM400S** controller that has been used for years in established companies around the world.

The already easy to operate controller **ATM400S** has been updated with the **ATM CONTROLLER THREEMATIC TMC** that now features the thread cut and the needle bar can individually, paired or all at ones be selected during the pattern input.

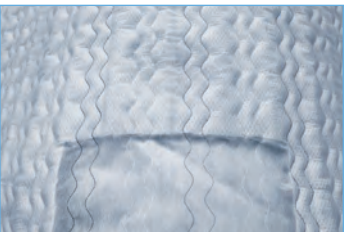
The servo motor drive **300DG** meets the latest technology and guarantees a step by step stitch movement during the needle exit from the quilting material during high rotation speed.

With each needle bar switch the top thread or low thread gets separated from the quilting material by our new developed **ATM SHEAR BLADE SP** system.

The new **CLOTH PRESSURE DRIVE** with integrated level adjustment, pre-compress plate and individual cloth pressure feet, guarantees an efficient and reasonable double chain stitch.

The **SPREADER DRIVE** has been constructed to meet high standards and got advanced to handle thread, cloth and filling material with suboptimal properties for double chain stitch seam.

The **ATM ALFAMAT 3NR 115N** machine with the **ATM THREEMATIC TMC 300DG** controller is a unique quilting machine with a high productivity due to the very short down and change over time.



TECHNICAL DATA:

Three individually driving needle bars

Distance of needle row 2 x 3° (76.2 mm > 152.4 mm)

115 needles per needle bar

Needle distance 1° (25.4 mm)

Max. working width with straight seam **289.5 cm**

Max. working width incl. design width **320 cm**

Production capacity **1000 stitch / min with stitch length of 3.6 mm**

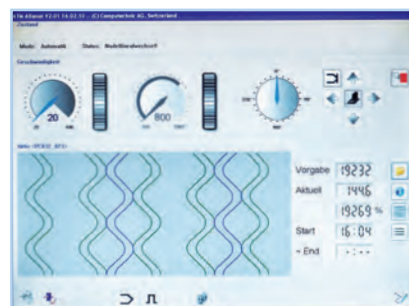
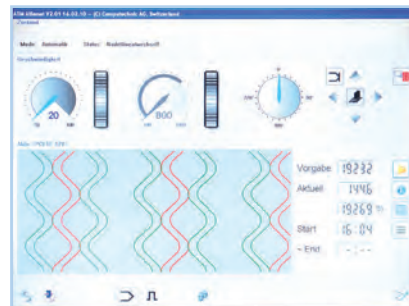
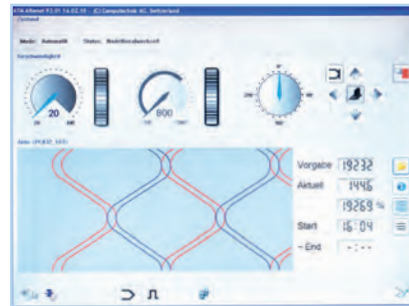
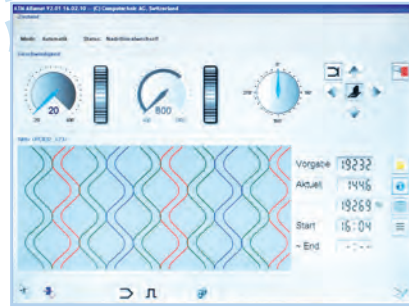
Spreader points **345**

Hooks individually using **78**

Cloth pressure feet **78**

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Samples of automatic operation between the ATM THREEMATIC TMC and the needle bars



BASE MACHINE	3NR 92N200 TMC400 DG3	3NR 92N400 TMC400 DG3	3NR 115N200 TMC400 DG3	3NR 115N400 TMC400 DG3
Controller	ATM THREEEMATIC TMC400	ATM THREEEMATIC TMC400	ATM THREEEMATIC TMC400	ATM THREEEMATIC TMC400
Needle bars / Needle positions	3 NR / 60N von 276	3 NR / 60N von 276	3 NR / 78N von 345	3 NR / 78N von 345
Pattern	180°	360°	180°	360°
Compensator	no	yes	no	yes
Import roll pneumatic	yes	no	yes	no
X- and Y- drive	DG3	DG3	DG3	DG3
Top- and low thread cut system	yes	yes	yes	yes
Cloth pressure drive	with pre-compress plate	with pre-compress plate	with pre-compress plate	with pre-compress plate
Cloth pressure feet	for 60 variable needle positions	for 60 variable needle positions	for 78 variable needle positions	for 78 variable needle positions
Price for 1 cloth pressure feet	on request	on request	on request	on request
Spreader positions	276	276	345	345
Loopers adjustable	60	60	78	78
Price for 1 Looper incl. holder	on request	on request	on request	on request
Top thread stroke	adjustable	adjustable	adjustable	adjustable
Max. working width with straight seam	231.15 cm	231.15 cm	289.56 cm	289.56 cm
Max working width incl. max. pattern adjustment at X- axis	260 cm	260 cm	320 cm	320 cm
Max. material thickness ca.	1 kg / m2	1 kg / m2	1 kg / m2	1 kg / m2
Rotation speed / stitches per min.	400 / 1000	400 / 1000	400 / 1000	400 / 1000
Bridge	yes	yes	yes	yes
ATM ARV material rewinder	yes	yes	yes	yes
Compensator front	no	yes	no	yes
light barrier front / rear	yes	yes	yes	yes
3 x 380V / 50Hz				
Dimensions in cm	500 x 450 x 230 cm	500 x 450 x 230 cm	560 x 450 x 230 cm	560 x 450 x 230 cm
Net weight in tons	6.3 T	6.5 T	6.8 T	7.0 T

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