

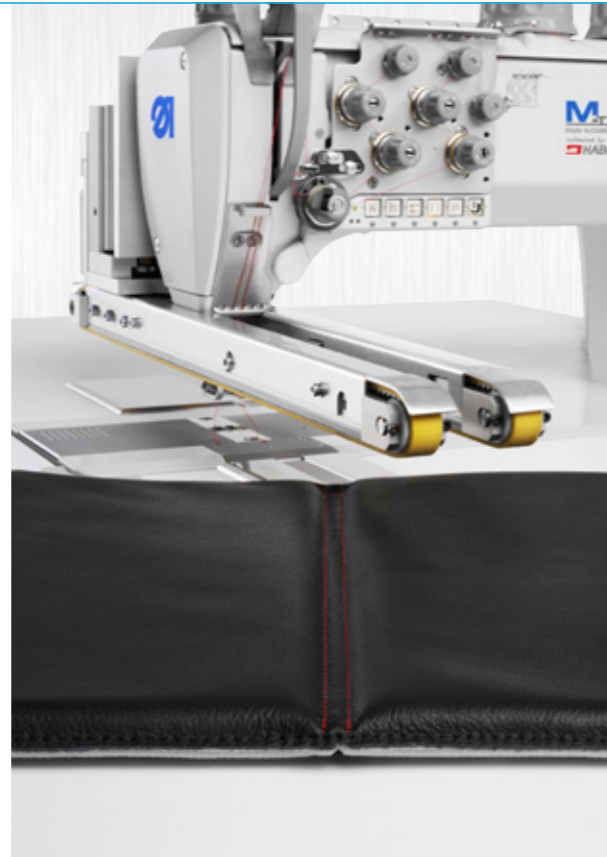
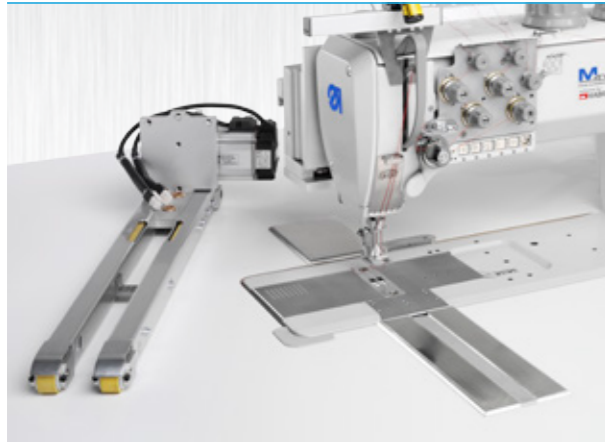
HM802

Straight line sewing with belt transport



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A perfect straight seam is one of the most difficult tasks for the sewing operator. The servo driven belt transport system of the HM802 is the solution to your problem!

Flexible design

The double belt drive system is a very robust and flexible system. Specially developed to transport upholstery pieces during the sewing process with a perfect straight seam as result.

Simply position the work piece with the help of the projected laser beam. Push the start button and the machine will do the rest.

Make parallel seams with an optional second laser beam which can be aligned with a previous seam.

By a touch screen operated menu you can easily set the machine for single or indexed sewing.

In single mode the work piece will be transported out of the machine after seam end after which the next seam can be positioned.

Use index mode to transport the piece back to the loading position and reposition the piece for the next seam.

Seam start and end point will be controlled by a photo electrical sensor. The sensor doubles as work piece detection for safe operation. Relative start and end point can be set via the touch screen operated menu.

The typical tolerance would be ± 1 stitch*. Back tack stitch condensing can be used to shorten the back tack length for sewing heads with the second stitch length option.

The belt transport system can be removed in just a few seconds for maintenance purpose. Without the belt transport system the sewing machine can be used for normal sewing. These features make the HM802 a flexible machine for your production and gives more value for money invested.

The HM802 can also be equipped with a tape feeding mechanism which will automatically feed wire pocket tape to a preset position and cut it after a preset length.

The HM802 can be supplied in both lock stitch and chain stitch versions with various sewing arm lengths.

For more information, please contact:

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or www.habraken.nl



- Servo controlled bi-directional intermitting transport synchronized to sewing speed and stitch length;
- 2 parallel transport belts positioned on either side of the needle;
- Feed-in feed-out function;
- Touch screen panel for process overview and configuration;
- Laser line projector for visual alignment of work piece;
- Photo electrical sensor for work piece presence detection;

*) accuracy for positioning and end detection depends on material characteristics.

HM802 - the technical data

Model	Stitches/ min.		Material	Icons: Needle, Twin needle, Lockstitch, Bottom feed, Vertical hook, Sewing foot lift, Disconnectable needle bars, Stroke of the alternating sewing feet, Foot stroke adjustable by dial											
	[mm] max.	[min ⁻¹] max.		[mm]	[mm]**										
HM802-867-190122	9	2.500*	M, MS	●		●	●	● L		●			● 15 mm	● Ma	
HM802-867-190142	9	2.500*	M, MS	●		●	●		● XXL	●			● 15 mm	● Ma	
HM802-867-190322	9	2.500*	M, MS	●		●	●	● L			●		● 15 mm	● A	
HM802-867-190342	9	2.500*	M, MS	●		●	●		● XXL		●		● 15 mm	● A	
HM802-867-290122	9	2.500*	M, MS		●	4 - 30	●	● L		●			● 15 mm	● A	
HM802-867-290142	9	2.500*	M, MS		●	4 - 30	●		● XXL	●			● 15 mm	● A	
HM802-867-290322	9	2.500*	M, MS		●	4 - 50	●	● L			●		● 15 mm	● A	
HM802-867-290342	9	2.500*	M, MS		●	4 - 50	●		● XXL		●		● 15 mm	● A	
HM802-867-490322	9	2.500*	M, MS		●	4 - 14	●	● L			●	●	● 15 mm	● A	
HM802-867-490342	9	2.500*	M, MS		●	4 - 14	●		● XXL		●	●	● 15 mm	● A	

Model	[mm]		[mm]	[NL]	[bar]	[mm]		- System		- Nm		Synthetic	Core thread	
	A	B				C	D			min/max	min/max			
HM802-867-190122	10	20	9,0	0,6	6	335	125	134 - 35	90 - 180	80/3 - 10/3	80/3 - 10/3			
HM802-867-190142	10	20	9,0	0,6	6	335	125	134 - 35	90 - 180	80/3 - 10/3	80/3 - 10/3			
HM802-867-190322	10	20	9,0	0,7	6	335	125	134 - 35	90 - 180	80/3 - 10/3	80/3 - 10/3			
HM802-867-190342	10	20	9,0	0,7	6	335	125	134 - 35	90 - 180	80/3 - 10/3	80/3 - 10/3			
HM802-867-290122	10	20	9,0	0,7	6	335	125	134 - 35	90 - 180	80/3 - 10/3	80/3 - 10/3			
HM802-867-290142	10	20	9,0	0,6	6	335	125	134 - 35	90 - 180	80/3 - 10/3	80/3 - 10/3			
HM802-867-290322	10	20	9,0	0,6	6	335	125	134 - 35	90 - 180	80/3 - 10/3	80/3 - 10/3			
HM802-867-290342	10	20	9,0	0,6	6	335	125	134 - 35	90 - 180	80/3 - 10/3	80/3 - 10/3			
HM802-867-490322	10	20	9,0	0,6	6	335	125	134 - 35	90 - 180	80/3 - 10/3	80/3 - 10/3			
HM802-867-490342	10	20	9,0	0,6	6	335	125	134 - 35	90 - 180	80/3 - 10/3	80/3 - 10/3			

M = Medium weight material A = Automatic
 MS = Medium weight to heavy weight material * = The maximum number of stitches depends on the preselected stroke height and the selected stitch length
 ● = Standard equipment ** = Remaining thread length [mm]
 ○ = Optional equipment *** = Depending on subclass / motor
 MA = Manual

	Nominal voltage	Power consumption	Weight, sew. head***	Dimensions	(Length, Width, Height)
	[V], [Hz]	[kVA] max.	[kg]	[mm]	
867	1x230 V, 50/60 Hz / 3x380 - 410 V, 50/60 Hz	1	68 - 74	1.060	600 1.700

Stitch length	Single needle	Twin needle	Twin needle, needle distance	Lockstitch	Bottom feed, needle feed and alternating feet	Vertical hook, large (L)	Vertical hook, extra-large (XXL)	Sewing foot lift, actuated by knee	Disconnectable needle bars	Stroke of the alternating sewing feet	Foot stroke adjustable by dial
Clearance C = 335 mm D = 125 mm	Threads: Types and thicknesses	Automatic seam backtacking and thread trimmer	Additional thread tension: Ma = Manual, A = Automatic	Needle system	Needle size	Automatic sewing foot lift / Foot stroke adjustable by dial with simultaneous automatic speed limitation	Automatic sewing foot lift / Control for two feed lengths / Quick stroke adjustment via knee switch and foot stroke adjustable by dial with simultaneous automatic speed limitation according to the foot stroke and feeding length				



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