

AUTOMATED CANVAS STRETCHING

www.automated-canvas-stretching.com



MHP

TECHNOLOGY



SF SpeedF

TOPSELLER

The MHP SF is the highly flexible all-purpose solution for small and large image formats. High-speed processing of several frames simultaneously. Fastest format changes and optional height changes. Huge stapler magazine. Modularly adaptable options.

- Up to 220 frames per hour
- Formats from 20 cm up to 200 cm (e.g. 5 frames each 40 cm in a row)
- Several different frames can be produced at the same time
- Canvas tension continuously variable, pneumatically
- Staple magazine with 8000+ staples for long production runs
- Format change in seconds, infinitely adjustable, no extra parts required
- Automatic format recognition to set staple distancing
- 2-sided frame stretching
- High-performance staplers, up to 10 needles per second with freely configurable distances
- Up to 23/7 suitable

Dry compressed air:	8 Bar
Voltage:	230 V ~
Power consumption:	0,5 KW

220
x
h

160
x
160

Largest
single format



NEW!



SB StretchBasic

The MHP SB is the compact, entry-level solution for automated canvas stretching. Covers the most common image formats.

- Up to 150 frames per hour
- Formats from 20 cm up to 80 cm (e.g. 4 frames each 20 cm in a row)
- Several frames can be produced at the same time
- Canvas tension continuously variable, pneumatically adjustable (light to drum-hard tension)
- Staple magazine with 286 staples
- Format change in seconds, infinitely adjustable, no extra parts required
- Automatic format recognition for stapling every 5 cm
- 2-sided frame stretching
- Staplers up to 3 needles per seconds with fixed distance
- Plug and Play
- Up to 23/7 suitable

Dry compressed air:	8 Bar
Voltage:	230 V ~
Power consumption:	0,5 KW

150/h 80 x 80 Largest single format

ST STMaster

The solution for automated and cost-effective canvas stretching. Ideal for short runs with frequent format changes and optional height changes. Modularly adaptable options.

- Up to 150 frames per hour
- Formats from 20 cm up to 120 cm (e.g. 4 frames each 30 cm in a row)
- Several frames can be produced at the same time
- Canvas tension continuously variable, pneumatically adjustable (light to drum-hard tension)
- Staple magazine optionally with 286 or 450 staples
- Format change in seconds, infinitely adjustable, no extra parts required
- Automatic format recognition for stapling every 5 cm
- 2-sided frame stretching
- Staplers up to 5 needles per seconds with fixed distance
- Plug and Play
- Up to 23/7 suitable

Dry compressed air:	8 Bar
Voltage:	230 V ~
Power consumption:	0,5 KW

150/h 120 x 120 Largest single format

SFL SpeedFL

NEW!



The MHP SF L is equipped with a longer frame table which enables a higher quantity of frames to be processed simultaneously. The higher capacity boosts yields significantly.

- Up to 280 frames per hour
- Formats from 30 cm up to 250 cm (e.g. 8 frames each 30 cm in a row)
- Several different frames can be produced at the same time
- Canvas tension continuously variable, pneumatically adjustable (light to drum-hard tension)
- Staple magazine with 8000+ staples for long production runs
- Format change in seconds, infinitely adjustable, no extra parts required
- Automatic format recognition to set staple distancing
- 2-sided frame stretching
- High-performance staplers, up to 10 needles per second with freely configurable distances
- Up to 23/7 suitable

Dry compressed air:	8 Bar
Voltage:	230 V ~
Power consumption:	0,5 KW

280/h 160 x 160 Largest single format

SFX SpeedFX

NEW!



The MHP SF X is designed especially for large formats.

- Up to 200 frames per hour
- Formats from 30 cm up to 250 cm (e.g. 5 frames each 50 cm in a row)
- Several different frames can be produced at the same time
- Canvas tension continuously variable, pneumatically adjustable (light to drum-hard tension)
- Staple magazine with 8000+ staples for long production runs
- Format change in seconds, infinitely adjustable, no extra parts required
- Automatic format recognition to set staple distancing
- 2-sided frame stretching
- High-performance staplers, up to 10 needles per second with freely configurable distances
- Up to 23/7 suitable

Dry compressed air:	8 Bar
Voltage:	230 V ~
Power consumption:	0,5 KW

200/h 200 x 200 Largest single format

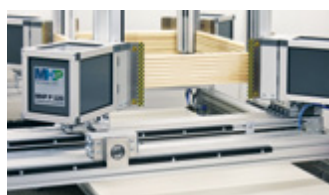
NEW!

NEW!

NEW!

STRETCH	SB	ST	SF	SFL	SFX
Machine	StretchBasic	STMaster	SpeedF	SpeedFL	SpeedFX
Machine type / Frame table format	80/80	60/60 80/80 100/100 120/120	100/100 120/120 140/140 160/160 100/200 120/200 140/200 160/200	100/250 120/250 140/250 160/250	180/180 200/200 200/250
Staple magazine capacity	286	286 / 450	8.000	8.000	8.000
Smallest processable frame (cm)	20/20	20/20	20/20	30/30	30/30
Largest single frame (cm)	80/80	120/120	160/160	160/160	200/200
Distance between staples (midpoint to midpoint)	every 5 cm	every 5 cm	adjustable	adjustable	adjustable
Accessories included					
Staples remover	■	■	■	■	■
Maintenance tools	■	■	■	■	■
Magnet for collecting loose staples	■	■	■	■	■
For immediate production start 20,000 staples	■	■			
For immediate production start 100,000 staples			■	■	■
Additional options (priced add-ons)					
Level indicator staples supply	■	■	■	■	■
Production counter		■	■	■	■
Acoustic insulation	■	■	■	■	■
Adjustable fabric tension	■	■	■	■	■
Manual height adjustment option; up to 3 different frame heights		■	■	■	■
Height adjustment automatic; up to 32mm variability range			■	■	■
Frame height control			■	■	■
Mobility – swivel castors with / without brake	■	■	■	■	■
Tool bridge, e.g. manual staplers/balancers, etc.	■	■	■	■	■
Intervention protection by light grid – increased safety	■	■	■	■	■
Multiframe software – simultaneous processing of different frames			■	■	■
Speed control via software		■	■	■	■
Individual clip pattern programming			■	■	■
Interior lighting		■	■	■	■
Acoustic signals, e.g. safety circuit, fault, etc.	■	■	■	■	■
Report for error messages (quality management)			■	■	■
Report for production data			■	■	■
Clamping pressure reinforcement for difficult canvas			■	■	■
Spare stapler	■	■	■	■	■
Accessories optional (priced add-ons)					
Canvas frame positioning aid	■	■	■	■	■
Packaging systems – shrink wrapping – shrink tunnels	■	■	■		
Compressors – pneumatics accessories	■	■	■	■	■
No liability for misprints, errors and technical changes.					

Technology – Made in Germany. For over 25 years, customers have placed their trust in MH&P when it comes to **mechanical engineering, process optimization and automation, training and consulting** for the production of stretcher frames.



P PLUG

Automated wood frame assembler – simple operation, high flexibility and efficiency

- Up to 40 frames per minute
- Formats from 20 cm up to 120 cm
- Format change in minutes; continuously variable settings
- Robust machine design and reliable quality
- Can be integrated as a process-driven solution for up- and downstream workflow
- Up to 23/7 suitable

Dry compressed air:	10 Bar
Voltage:	230 V ~
Power consumption:	0,4 KW

40 $\frac{\text{min}}{\text{min}}$ 120 x 120 Largest single format

VP VPLUG

Automated frame underpinner for strips made of wood or MDF with a 45° cut.

- Up to 10 frames per minute
- Formats from 25 cm up to 140 cm
- Adjustable to one, two or three V-nails
- Format change in minutes; continuously variable settings
- Robust machine design and reliable quality
- Can be integrated as a process-driven solution for up- and downstream workflow
- Up to 23/7 suitable

Dry compressed air:	8 Bar
Voltage:	230 V ~
Power consumption:	0,4 KW

10 $\frac{\text{min}}{\text{min}}$ 140 x 140 Largest single format

FRAME	P	VP
Machine	PLUG	VPLUG
Machine type / max. format size	60/60, 80/80, 100/100, 120/120	60/60, 60/80, 80/80, 80/120, 100/100, 100/140, 120/80, 120/120, 140/100, 140 /140
With stretcher bars magazine	■	■
With conveyor belt	■	■
Speed controller for conveyor belt	■	■
Stretcher bars magazine – empty status signal	■	■
Additional options (priced add-ons)		
Ascending conveyor	■	■
Production counter	■	■
Height adjustment for different stretcher bars	■	■
Width adjustment for different stretcher bars	■	■
Speed control via software	■	■
Mobility – swivel castors with / without brake	■	■
Intervention protection by light grid – increased safety	■	■
No liability for misprints, errors and technical changes..		



**MACHINE CONSTRUCTION.
TRAINING AND WORKSHOPS.
AUTOMATION CONSULTING.**



IT'S TIME TO AUTOMATE!

From the frame production workshop to a technology pioneer

It all starts in the 1980s through close connections and intensive co-operation between Kay Montag and the established artists' scene in West-Berlin. He caters to its steady demand, manages productions and in 1990 establishes the company Montag, Hampl & Partner at the heart of Berlin. Since then, art supplies and services related to art, handicrafts and hobbies have been produced, traded and sold in this creative city under the motto more art for the people.

For over 25 years a major focus has been on the production of pre-stretched canvasses. Driven by the increasing demands of the market and of its customers, MH&P DAS KEILRAHMEN WERK® offers a full range of art supplies—from museum, individual units through minor and medium serial prints down to industrial large-scale production of 100,000 and more units: all sectors are currently served.

This is where of MH&P Technology was born. Increasing demands regarding volume, flexibility, just-in-time production, constant quality and cost pressure in a globalized world motivate Kay Montag and his team

to invest in the technological development of semi- and fully automatic solutions for pre-stretching frames.

In 2008 the technology is ready for serial production, the first semi-automatic solution, the MHP ST, is introduced. Global sales commence. In 2011 an innovation, the first fully automatic, process-managed and integrated machine solution, the MHP SP, is delivered. In 2015 the series of the pre-stretched frames – sticking machines is expanded by the MHP VPLUG.

Technology – Made in Germany.

For more than 25 years customers have relied on MH&P where engineering, training and consulting within the context of pre-stretched frames is concerned. Using our own production as the base of our ongoing knowledge, new innovations are constantly being developed from a 360-degree perspective. These are then mature by the time they reach our customers' factories and thus guaranteed to be effective in their corporate networks.

More information about our competencies, machines and performance under:
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