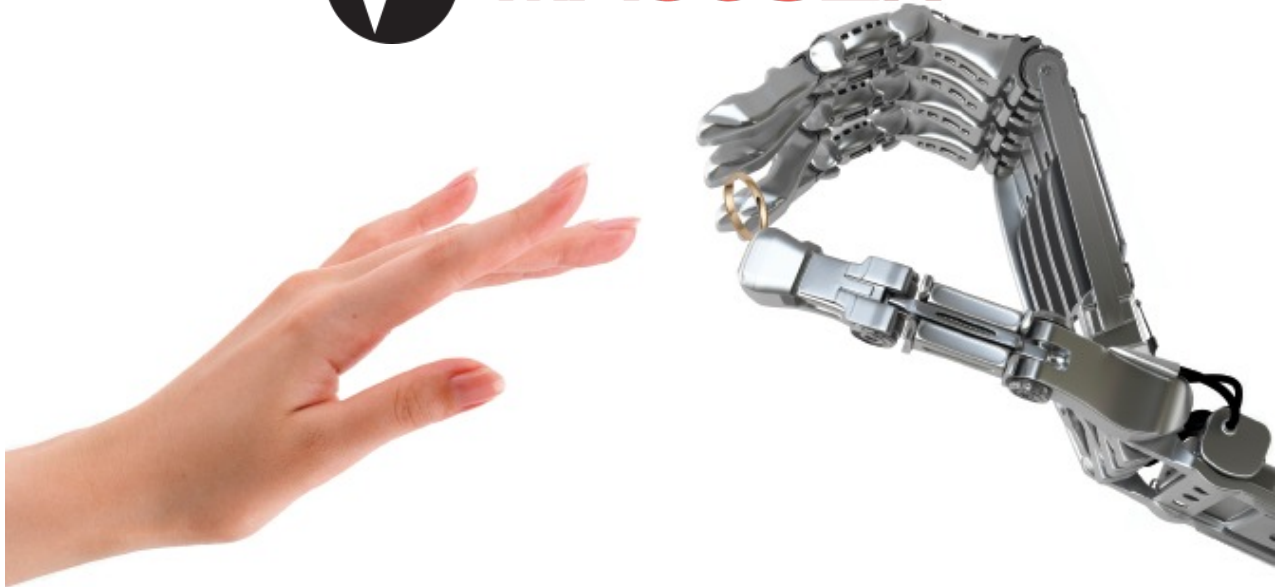




FUSING MACHINES
www.martingroup.it



MACOSER®



Passion and technology...



OPEN TOP SERIES



X-SERIES



M.E.P.P. SERIES



STACKERS

Open Top 700/1000/1240/1400/1600/1800

Various configurations

The highest expression of our production. Highest flexibility together with high productivity.
Designed with modular solutions to be equipped with stackers feeding stations and return belt device.



The Control Unit :

Touch Screen Control (TCX)



Our TCX Touch screen control offers you the possibility to have all standard functions and programmable memories

Touch Screen Control functions:

- Set/Actual temperature
- On/Off button
- Pressure indicator
- Pressure regulator
- Belt speed in mt/min and seconds
- Running inversion button
- Auto self Cooling button
- Heating element diagnostic, compressed air supply, belt tracking and engine thermic
- OUT button for total pressure exclusion
- Error reports and suggested solutions
- Fusing program storage with Easy Recall

Touch Screen Control (TCX) 4.0



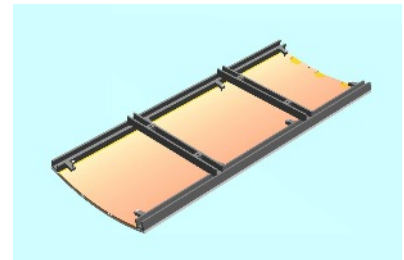
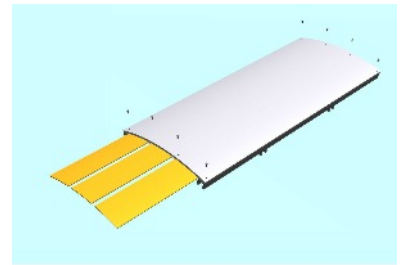
Our TCX 4.0 Touch screen control offers you the possibility to have all standard functions and programmable memories, all System can be connected to LAN.

Touch Screen Control functions:

- Set/Actual temperature
- On/Off button
- Pressure indicator
- Pressure regulator
- Belt speed in mt/min and seconds
- Running inversion button
- Auto self Cooling button
- Heating element diagnostic, compressed air supply, belt tracking and engine thermic
- OUT button for total pressure exclusion
- Error reports and suggested solutions
- Fusing program storage with Easy Recall

Heating System

Open Top series has 1500 mm length heating area, this ensure the best and accurate heating for fusing all the materials using a fusing average speed of 6 mt/min.



The heating Element

Aluminium folded sheet welded

The heating System

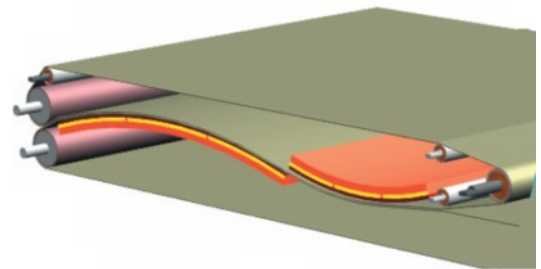
Aluminium heating insert in an aluminium plate 10 mm thick in ANTICORODAL ALUMINIUM with TEFLON protection.

The Heating Zone Configuration

Top/Bottom configuration.

Pre-heating in the first section with top heating plate it allow to start the melting of interlining. Final heating with long heating plate to fix the interlining on fabric by gravity force before pressing section.

Our curved plate system allow to fuse smooth also without pressure.



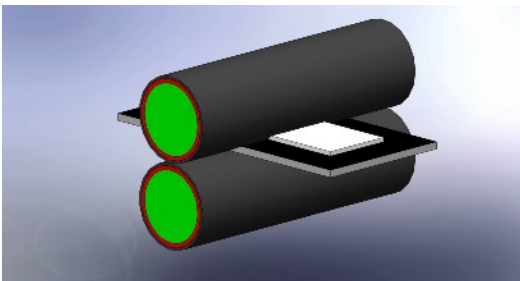
The Pressure System

Martin Group in all fusing machine uses the same pressure system.

Double roller pressure system with lever action to allow "ZERO" pressure fusing with "OUT" system.

The various configurations:

ADAPTIVE (AD)

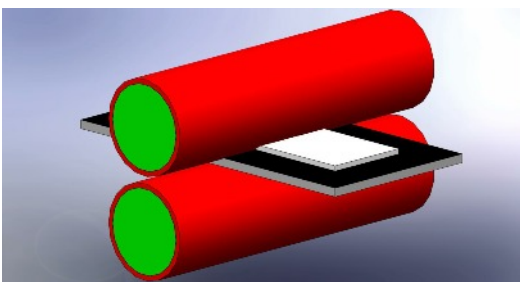


C40 inner core body with 2 different vulcanized silicon hardness covers.

2 Vulcanized Silicon Pressure rollers.

This system ensure a more accurate fusing also with fabric with different thickness in the same working line and also for pressure sensitive fabrics.

STANDARD (ST)

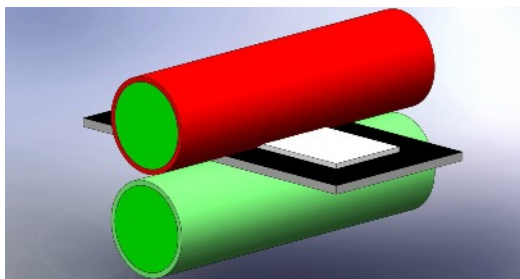


C40 inner core body with vulcanized silicon covers.

2 Vulcanized Silicon Pressure rollers.

Applicable for all jacket production and outdoor

HARD (HA)



C40 inner core body with vulcanized Silicon covers.

1 Vulcanized Silicon Pressure roller

1 Hard Steel body roller

Applicable on shirt industry and hard interlinings

X - Series 600/1000/1400/1600 K-L

High flexibility. Suitable for sportswear, jacket and shirts. Designed with modular solutions to be equipped with stackers feeding stations and return belt device.

Advantages:

Compact design, **longest and more comfortable loading belt**, long heating area, fast warm-up, high reliability and accurate pressure and temperature settings



The Control Unit :

Touch Screen Control (TCX)



Our TCX Touch screen control offers you the possibility to have all standard functions and programmable memories

Touch Screen Control functions:

- Set/Actual temperature
- On/Off button
- Pressure indicator
- Pressure regulator
- Belt speed in mt/min and seconds
- Running inversion button
- Auto self Cooling button
- Heating element diagnostic, compressed air supply, belt tracking and engine thermic
- OUT button for total pressure exclusion
- Error reports and suggested solutions
- Fusing program storage with Easy Recall

Touch Screen Control (TCX) 4.0



Our TCX 4.0 Touch screen control offers you the possibility to have all standard functions and programmable memories, all System can be connected to LAN.

Touch Screen Control functions:

- Set/Actual temperature
- On/Off button
- Pressure indicator
- Pressure regulator
- Belt speed in mt/min and seconds
- Running inversion button
- Auto self Cooling button
- Heating element diagnostic, compressed air supply, belt tracking and engine thermic
- OUT button for total pressure exclusion
- Error reports and suggested solutions
- Fusing program storage with Easy Recall

Heating System

X-Series has 1100 mm length heating area, this ensure the best and accurate heating for fusing all the materials using a fusing average speed of 6 mt/min.

The heating Element

Anodized Aluminium molded extrusion

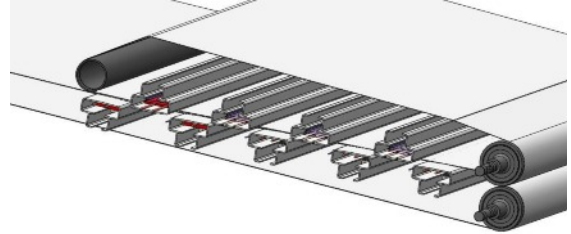
The heating System

Aluminium heating insert in an aluminium molded extrusion 5 mm tick.

The Heating Zone Configuration

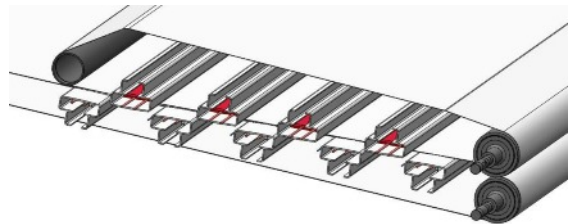
Pre-Heating + Final Heating

Pre-heating in the first section (first 3 elements) managed by 1 thermoregulator. Final heating (other 6 elements) managed by 1 thermoregulator. This is the optimal configuration for high sensitive fabrics.



Continuous Top/Bottom configuration.

The four upper heating element managed by a single Thermoregulator. The five lower heating element managed by a single thermoregulator. This is the optimal configuration for difficult melting interlinings.

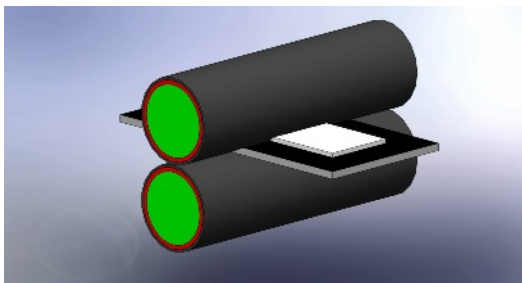


The Pressure System

Martin Group in all fusing machine uses the same pressure system. Double roller pressure system with lever action to allow "ZERO" pressure fusing with "OUT" system.

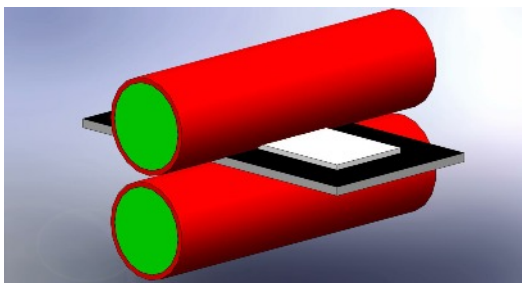
The various configurations:

ADAPTIVE (AD)



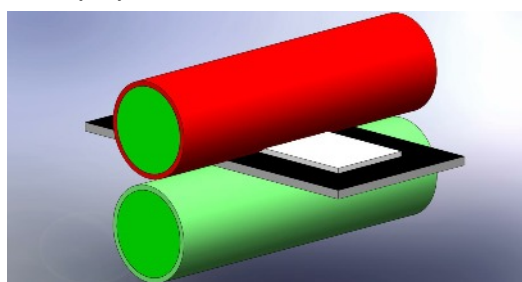
C40 inner core body with 2 different vulcanized silicon hardness covers.
2 Vulcanized Silicon Pressure rollers.
This system ensure a more accurate fusing also with fabric with different tickness in the same working line and also for pressure sensitive fabrics.

STANDARD (ST)



C40 inner core body with vulcanized silicon covers.
2 Vulcanized Silicon Pressure rollers.
Applicable for all jacket production and outwear

HARD (HA)



C40 inner core body with vulcanized Silicon covers.
1 Vulcanized Silicon Pressure roller
1 Hrad Stell body roller
Applicable on shirt industry and hard interlinings

X600 SH-E/R/P (Shirt version)



High Performances.
Specifically designed for Shirt collar and cuffs fusing.
Available with Exit belt, Return belt or Stacker device.
Also available with cooling system.



Illuminated Area help
you during interlining
positioning

The Options :

Return Belt device



Space saving return belt,
and collection box on
operator side.

Collars and Cuffs Stacker



This simple stacker allow to collect collar and cuffs after fusing, this system will be perfect also without cooling system because the parts will have their time to cool on the stacker skid.

Fan Cooling System (FC)



Fan cooling system energy saving
and easy installation,
allow to handle by hands
material fused

Active Cooling System (AC)



Active cooling system is a powerful
active cooling fridge group separate
from fusing machine, with this system
you can also regulate the cooling
temperature.

OLX 600N- 1000N

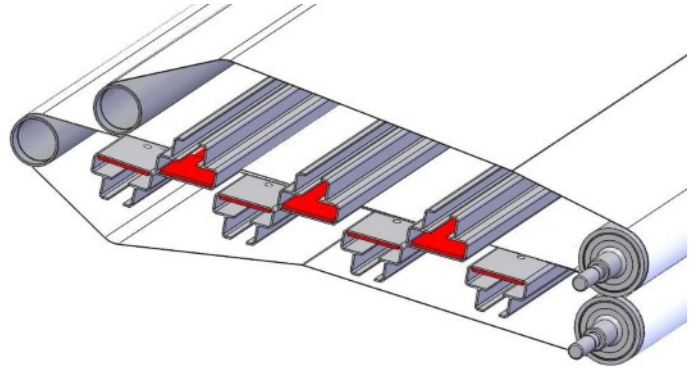
Technical characteristics

Universal fusing machine, suitable for jackets, shirts and leather garments.

Pneumatic pressure from 0 to 60 Newton/sqcm, self belt adjustement, seamless antistatic belts.

Low electrical absorbtion from 4,4 to 5,5 Kw/h at 230-380V+N, upper and lower heating elements, heating surface lenght 800 mm, with 7 heating elements.

Antistatic graphite scraper blades, 4 internal and external cleaning systems, high temperature bearings and Viton pneumatic material, 7" Touch Screen control panel.



Optional: FB - Feeding Belt



Optional: R - Return Belt



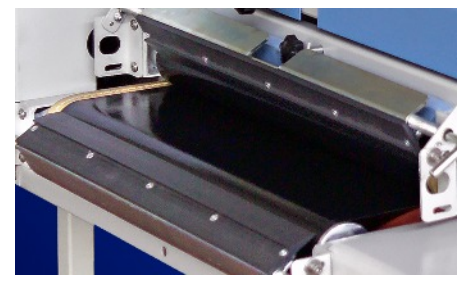
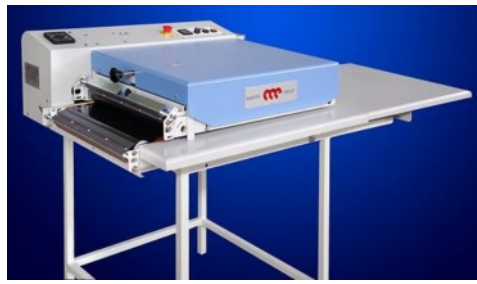
Optional: E - Exit belt



Technical characteristics

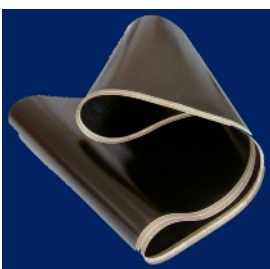
Model	OLX600N	OLX1000N
Voltage	3X230V – 3X380V+N	3X230V – 3X380V+N
Speed	4-27 sec. / 1,6 a 11 mt.min	4-27 sec. / 1,6 a 11 mt.min
Pressure	0-60 Newton/cm ²	0-60 Newton/cm ²
Temperature	0-200 °C	0-200 °C
Useful belt	620 mm	1020 mm
Dimensions	2400X1100X1300 mm	2400X1500X1300 mm
Weight	Kg. 330	Kg. 470
Air consumption	2,5 Lt./min	2,5 Lt./min
Air Pressure	7 Bar	7 Bar
Electric consumption	Max 7Kw - Average 4,5 Kw/h	Max 9 Kw - Average 5,5 Kw/h

CONT.45 (Table-Fusing machine)

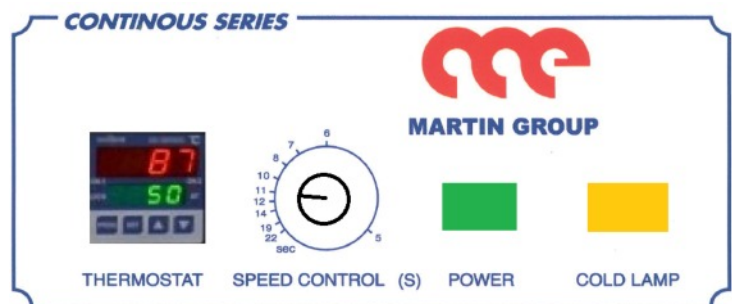


Mini fusing press machine, suitable for little laboratories and for low production.
Easy maintenance and low electrical consumption.
220Volt Monophase. 3 Kw/h max consumption.

Double detaching PTFE
Antistatic Blades



Special long lasting
PTFE Antistatic SEAMLESS
belts with Kevlar Tracking
cord



Heating System

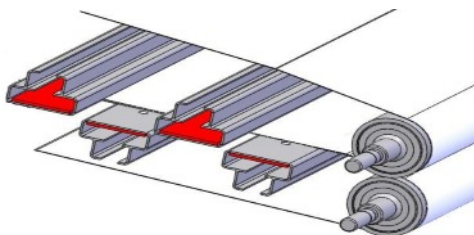
CONT 45 has a 50 cm heating area length, continuous top and bottom heating ensure a perfect temperature uniformity in all the heating length.

The heating Element

Anodized Aluminium molded extrusion

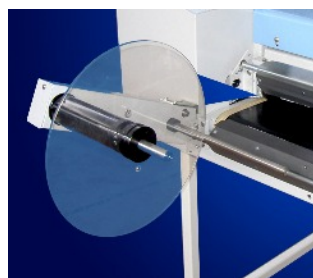
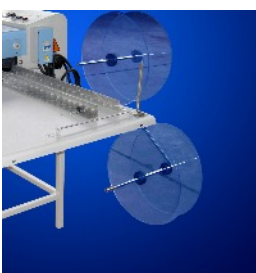
The heating System

Aluminium heating insert in an aluminium molded extrusion 5 mm tick.



Waistband Fusing Device

This system allow you to fuse trousers waistbands and also other roll to roll parts.
This system include also collecting device.

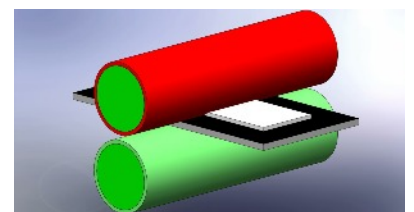


Standard control functions:

- Set/Actual temperature
- On/Off button
- Belt speed in mt/min and seconds
- Auto self Cooling button

Pressure System

HARD



C40 inner core body with vulcanized silicon covers.

1 Vulcanized Silicon Pressure roller
1 Hard Stel body roller.

Applicable on shirt industry
and hard interlinings

Laminating and Decatising accessories

Laminating System - LAMINATOR 1600/1800-2-3

Complete Laminating system can be applied to our OPEN TOP 1600-1800.



Our Laminating system can be equipped with:
3 Position Unwinding = FABRIC + FILM + FABRIC
2 Position Unwinding = FABRIC + INTERLINING

This system is the ideal accessory for the customers that require to fuse the whole roll of fabric with the whole roll of interlining, or double face producers.

Machine has a meter/counter with automatic cut.

The laminating system is equipped with a rewinding device that allow to collect fabric fused Up to 50 mm diameter.

Decatising System + Fusing system SP1600 AD-BR/2 with 2 unwinding devices

The latest development of fabric producers require frequently a decatising procedure before fusing.

Decatising procedure can be made also inside customer factory with a 1600 Open Top fusing machine equipped with our Decatising system.



Fully mechanical device SP1600

Version with simple mechanical bars and cones also available



Options and Accessories for all models

Return belt system

Return belt allow to work with one single operator that will charge and collect parts.



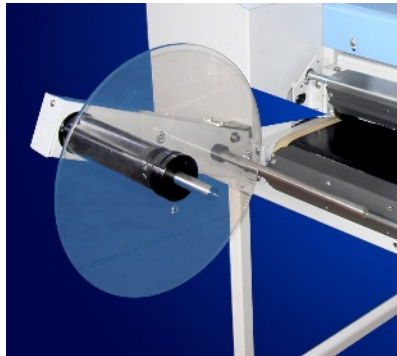
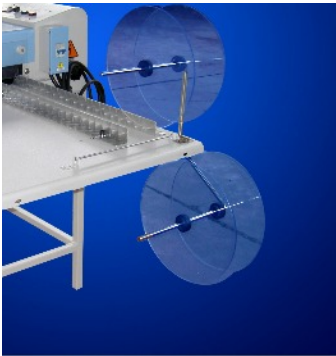
Feeding/Return belt system

This system give you the possibility to prepare very delicate fabrics on a coll feeding belt.
Customer can work also with 4 person with this system, lenght of feeding belt 1400 mm.
Return belt allow to collect part from operator side.



Waistband Fusing Device (WS)

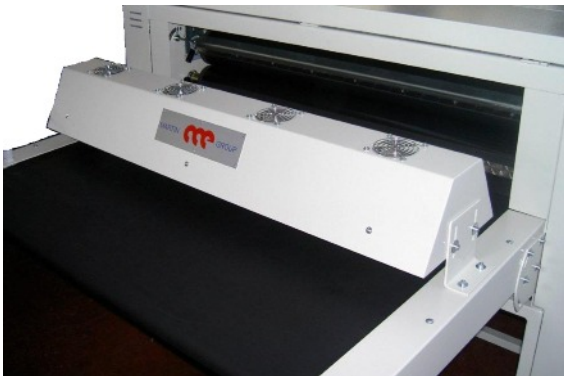
This system allow you to fuse trousers waistbands and also other roll to roll parts.
This system include also collecting device.



Cooling Devices

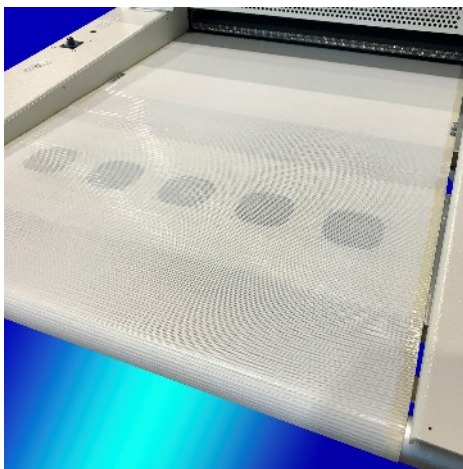
Sometimes is required a cooling system at the exit of fusing machines.
Martin group provide 2 solutions:

Fan Cooling System (FC)



Fan cooling system energy saving
and easy installation,
allow to handle by hands
material fused

Active Fan Cooling System (AFC)



Active cooling system is a powerful
active cooling exit belt made in open
mesh material that allow air
circulation, inside the belt are
placed cooling fans

Loading extension and Feeding belts

Feeding belt (FB)

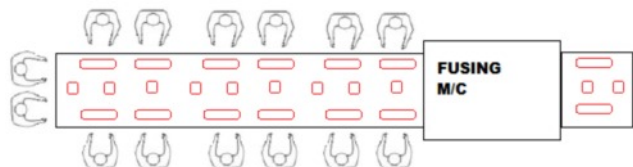
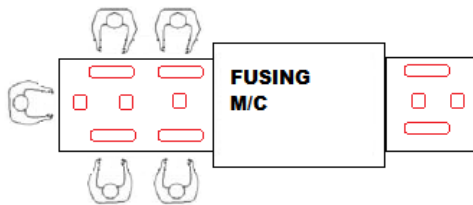
Standard feeding belt is 1400 mm length. Upon customer request we can produce this belt also 4200 mm length.

Start/Stop with pedal, and possibility to run synchronized with fusing machine.

On standard feeding belt, possibility to work with 5 persons, 2 each side and 1 in front, and also 6 persons on wider fusing machines.



DIFFERENT SIZES AND SHAPES AVAILABLE



Double Feeding Belt (DFB)

Double Feeding belt allow to increase the productivity. The system has 4 belts.

First 2 belts on preparation start at double speed of fusing machine and transfer the parts on the second belts. This ensure to make free very fast the loading station.

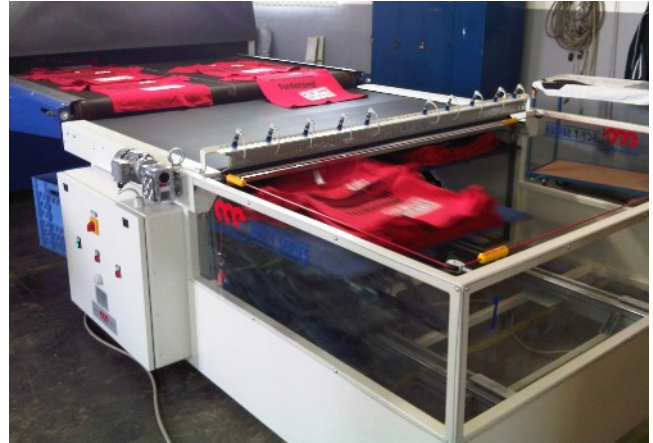


Stackers for fusing machines and dryers

SC-Y Stacker System and SCY-T stacker

All Martin Group fusing machines can be equipped with stacker with 1-2-3-4-5 unloading lines.
From 450 mm wide to 1800 mm wide.

All our stackers can also fit all other brands of fusing machines worldwide and even dryers with SCY-T version



Stacker Optionals and others

TVCC



All our stackers can be equipped with a TVCC system, including colour camera and colour LCD TV.

Air Blowing Electrostatic Bar



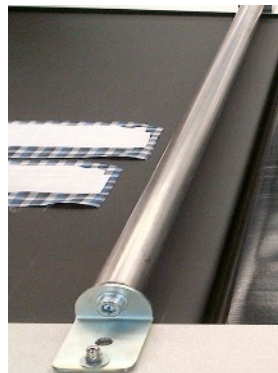
This special Bar flows an ionized air flow against the fused fabric, this option is useful in very thin and acrylic fabrics.

Standard Electrostatic Bar



This electrostatic bar takes off the electrostatic charge from fabric by fabric proximity.

Magnetic Bar



This very high power magnetic bar allows to stop any metallic object that may enter in the fusing machine.

Technical Datasheet

Continuous Fusing Machines								
Model	Fusing width mm (inch)	Belt speed m/min (ft/min)	Air Press Volume Ø=8 mm bar	Electrical Volt/Hz/kW	Dimensions: L x W x H mm (inch)	Weight Kg (lb)	Air Consumption l/min	
CONT45	450 (18)	1.0 – 10 (3.4 – 34)	NO	2X220/50-56/3	700X800X1100 (27X31X43)	140 (308)	NO	
OT70	700 (28)	1.0 - 10 (3.4 - 34)	6,5	3x380+N/50-60/15	3840x1300x1450 (150x50x57)	705 (1554)	50	
OT100	1000 (40)	1.0 - 10 (3.4 - 34)	6,5	3x380+N/50-60/18	3840x1600x1450 (150x63x57)	995 (2193)	50	
OT124	1240 (49)	1.0 - 10 (3.4 - 34)	6,5	3x380+N/50-60/21	4340x1840x1450 (170x72x57)	1190 (2623)	50	
OT140	1400 (56)	1.0 - 10 (3.4 - 34)	6,5	3x380+N/50-60/23	4340x2000x1450 (170x78x57)	1420 (3130)	50	
OT160	1600 (64)	1.0 - 10 (3.4 - 34)	6,5	3x380+N/50-60/27	4340x2200x1450 (170x86x57)	1710 (3769)	50	
OT180	1800 (71)	1.0 - 10 (3.4 - 34)	6,5	3x380+N/50-60/32	4340x2400x1450 (170x94x57)	1930 (4254)	50	
X600SH	600 (24)	1.0 - 10 (3.4 - 34)	6,5	3x380+N/50-60/9	2800x1150x1300 (110x45x51)	315 (694)	50	
X600KE-L	600 (24)	1.0 - 10 (3.4 - 34)	6,5	3x380+N/50-60/9	3220x1120x1300 (126x44x51)	315 (694)	50	
X1000KE-L	1000 (40)	1.0 - 10 (3.4 - 34)	6,5	3x380+N/50-60/12	3220x1520x1300 (126x60x51)	600 (1322)	50	
X1400KE-L	1400 (56)	1.0 - 10 (3.4 - 34)	6,5	3x380+N/50-60/18	3220x1920x1300 (126x75x51)	750 (1653)	50	
X1600KE-L	1600 (64)	1.0 - 10 (3.4 - 34)	6,5	3x380+N/50-60/22	3220x2120x1300 (126x83x51)	950 (2094)	50	
Feeding Belts								
FB600	600 (24)	1.0 - 10 (3.4 - 34)	-	3x380+N/50-60/1	1600x1200x960 (63x47x38)	200 (440)	-	
FB1000	1000 (40)	1.0 - 10 (3.4 - 34)	-	3x380+N/50-60/1	1600x1600x960 (63x63x38)	270 (595)	-	
FB1240	1240 (49)	1.0 - 10 (3.4 - 34)	-	3x380+N/50-60/1	1600x1830x960 (63x72x38)	350 (771)	-	
FB1400	1400 (56)	1.0 - 10 (3.4 - 34)	-	3x380+N/50-60/1	1600x2000x960 (63x78x38)	390 (859)	-	
FB1600	1600 (64)	1.0 - 10 (3.4 - 34)	-	3x380+N/50-60/1	1600x2200x960 (63x86x38)	450 (992)	-	
FB1800	1800 (71)	1.0 - 10 (3.4 - 34)	-	3x380+N/50-60/1	1600x2400x960 (63x94x38)	500 (1102)	-	
Stackers								
Model	Working width mm (inch)	Belt speed m/min (ft/min)	Air Press Volume Ø=8 mm bar	Electrical Volt/Hz/kW	Dimensions: L x W x H mm (inch)	Weight Kg (lb)	Air Cons l/min	Lanes
SCY450	450 (18)	20 (68)	-	3x380+N/50-60/3	2950X1000X850 (116x40x33)	200 (440)	-	1
SCY600	600 (24)	20 (68)	-	3x380+N/50-60/3	2950X1150X850 (116x45x33)	240 (529)	-	1-2
SCY700	700 (28)	20 (68)	-	3x380+N/50-60/3	2950X1250X850 (116x49x33)	270 (595)	-	1-2
SCY1000	1000 (40)	20 (68)	-	3x380+N/50-60/3	2950X1550X850 (116x61x33)	300 (661)	-	2-3-4
SCY1240	1240 (49)	20 (68)	-	3x380+N/50-60/3	2950X1790X850 (116x70x33)	380 (837)	-	2-3-4
SCY1400	1400 (56)	20 (68)	-	3x380+N/50-60/3	2950X1950X850 (116x76x33)	450 (992)	-	2-3-4
SCY1600	1600 (64)	20 (68)	-	3x380+N/50-60/3	2950X2150X850 (116x85x33)	480 (1058)	-	2-3-4
SCY1800	1800 (71)	20 (68)	-	3x380+N/50-60/3	2950X2350X850 (116x93x33)	510 (1124)	-	3-4-5

M.E.P.P. XTP 130/150/160/170/180

Multi Purpose Fusing/Transfer machine

This is the first fusing machine produced from Martin Group in 1960.
Since 1960 Martin Group produced over 3000 M.E.P.P. XTP
M.E.P.P. XTP PATENTED PRESSURE SYSTEM unic in the market
Gives you the possibility to cover an huge range of various productions.



Double working panel available in various dimensions, POLMONE patented pressure system.

M.E.P.P. XTP , Suitable for fusing application
on jacket and sportswear, leather on bags
and pockets and not formal shirts

The Control Unit

Respect of fusing parameters is the most important part of the process,
For this reason all M.E.P.P. Machines are equipped with a 7" TOUCH SCREEN control panel.



Touch Screen Control functions:

- Set/Actual temperature
- On/Off button
- Pressure indicator
- Pressure regulator
- Fusing time in seconds
- Heating element diagnostic,
compressed air supply
- Error reports and suggested solution

Heating System

M.E.P.P. Series has an aluminium heating plate 70 mm thick with 12 cylinder heating elements inside.

The heating Element

Nichel/Chrome filament insert in ceramic tubes

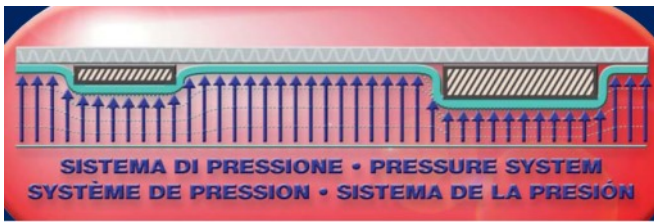


The Pressure System

Martin Group has a patented pressure system in M.E.P.P. Series.

Is made by a special membrane that inflates with air and can cover different thickness during pressing.

This special membrane has 2 layers, one for mechanical force and one for temperature resistance.



Technical Datasheet

MEPP XTP SERIES – FUSING, HEAT TRANSFER AND SUBLIMATION MACHINE							
Model	Useful area mm (inch)	Working Plate	Air Press Volume Ø=8 mm bar	Electrical Volt/Hz/kW	Dimensions: L x W x H mm (inch)	Weight Kg (lb)	Air Cons l/min
MEPP130-XTP	1300x550 (51x21)	2	6 Bar	3x400/50-60/8 Kw/h 5	1650x1390x1500 (65x54x59)	600 (1322)	50
MEPP150- XTP	1500x750 (59x30)	2	6 Bar	3x400/50-60/9	1850x1790x1500 (73x70x59)	800 (1763)	50
MEPP160-XTP	1600x750 (63x30)	2	6 Bar	3x400/50-60/9	1950x1790x1500 (77x70x59)	900 (1984)	50
MEPP160XL-XTP	1600x900 (63x35)	2	6 Bar	3x400/50-60/10	1950x2090x1500 (77x82x59)	980 (2160)	50
MEPP170-XTP	1700x750 (67x30)	2	6 Bar	3x400/50-60/11	2050x1790x1500 (81x70x59)	1000 (2204)	50
MEPP170XL-XTP	1700x900 (67x35)	2	6 Bar	3x400/50-60/12	2050x2090x1500 (81x82x59)	1200 (2645)	50
MEPP150X100-XTP	1500x1000 (59x39)	2	6 Bar	3x400/50-60/13	1850x2090x1500 (73x82x59)	1300 (2866)	50
MEPP160X100-XTP	1600x1000 (63x39)	2	6 Bar	3x400/50-60/14	1950x2090x1500 (1950x2090x1500)	1380 (3042)	50
MEPP180X100-XTP	1800x1000 (71x39)	2	6 Bar	3x400/50-60/14	2150x2090x1500 (84x82x59)	1400 (3086)	50

75/2c/5 - Plate Top Fusing machine

This little plate fusing machine allow to fuse shirts collar and cuffs,
Due to its very high power pressure system up to 5 Kg./Sq.cm
M.E.P.P. PATENTED PRESSURE SYSTEM unic in the market
Gives you the possibility to cover an huge range of various productions.



Double working panel and POLMONE patented pressure system.

The Control Unit



- Set/Actual temperature
- On/Off button
- Pressure indicator
- Pressure regulator
- Fusing time in seconds

Heating System

75/2c/5 Series has an aluminium heating plate
70 mm tick with 6 cilinder heating elements inside.

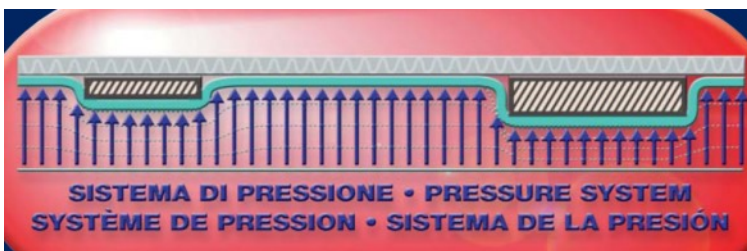
The heating Element

Nichel/Chrome filament insert in ceramic tubes



The Pressure System

Martin Group has a patented pressure system in 75/2c/5 Series.
Is made by a special membrane that inflate with air and can cover different tickness during pressing.
This special membrane has 2 layers, one for mechanical force and one for temperature resistance.



75/2C/5 Technical Data

Model	Useful press area Mm (inch)	Working Plate	Air Pressure Volume Ø=8 mm	Electrical Volt/Hz/Kw	Dimensions: LxWxH Mm (inch)	Weight Kg (lb)	Air Consumption l/min
75/2C/5	750X550 (30X21)	2	6 Bar	3X 400/50-60/8 Kw/h 5	1500x1000x1500 (59x39x59)	600 (1322)	50

SH240-P - IDRAULIC Fusing machine

This little plate fusing machine allow to fuse shirts collar and cuffs,
Due to its very high power **IDRAULIC** pressure system up to 6 Kg./Sq.cm
Gives you the possibility to cover an huge range of various productions
also if Huge pressure is required.



- Electronic control of whole instruments
- High Pressure (Up to 6 Kg/cmq.) Which guarantees a very high quality even for heavier pructions
- Two working plates to avoid dead times

Application fields

SHIRT FACTORY: SINGLE, DOUBLE, TRIPLE LAYER FUSING
WORKING CLOTHES
GENERAL FUSING AND STRASS APPLICATION

SH240-P Technical Data							
Model	Useful press area Mm (inch)	Working Plate	Idraulic Pressure Force	Electrical Volt/Hz/Kw	Dimensions: LxWxH Mm (inch)	Weight Kg (lb)	Air Consumption l/min
SH240-P	600X400 (24X16)	2	60 Newton	3X 400/50-60/8 Kw/h 5	1200x920x1500 (47x36x59)	400 (881)	NO

E.M.S. 120

Plate transfer / fusing machine



This little magnetic tenser / fusing machine allow to fuse jacket Parts and sportswears, it allow also to make transfer and sublimation. This machine doesn't need air comprimed.



The Control Unit

Respect of fusing parameters is the most important part of the process, EMS 120 fusing machine control panel includes:



- Set/Actual temperature
- On/Off button
- Pressure indicator
- Pressure regulator
- Fusing time in seconds
- Double safety starting button

Heating System

EMS 120 Series has an aluminium heating plate 20 mm tick with 3 snake heating element inside.

The heating Element

Nichel/Chrome

The Pressure System

Ems 120 has a magnetic pressure system. The pressure can reach 1 Kg. Sq/cm

E.M.S. 120 Technical Data							
Model	Useful press area Mm (inch)	Working Plate	Air Pressure Volume Ø=8 mm	Electrical Volt/Hz/Kw	Dimensions: LxWxH Mm (inch)	Weight Kg (lb)	Air Consumption l/min
EMS 120	1200X550 (47X21)	1	0	2X 220/50-60/3 Kw/h 2	1200X900X550 (47x35x21)	200 (440)	0



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