

Fusing Press • Lamination Systems  
Fabric Fixing System • Heat & Transfer Printing Presses



*The signature of the future*





## We Produce in Turkey, We Deliver To The World...

MCN Makina was established in 1994 and launched its operations in the same year for the manufacturing and technical servicing of fusing and transfer heat press machines.

Operating in a fierce competition environment with the domestic and foreign machines, MCN Makina has been increasing its references in this competition environment. Our company has turned this competition into advantage over time and has been offering its machines to the customers by developing them in line with the technology.

We are producing our machines in three different groups of Bench Type, Compact, and Delux models. As mid-level economical machines, Bench Type and Compact models are the ones that are currently available in the market with the longest heating tunnel and highest printing quality. While Delux models with the widest drum diameters and highest printing quality meet the needs of all industries from suits to outerwear, underwear, and home textile.

These machines that are demanded by textile and ready-made garment industries are completely manufactured by MCN Makina San. ve Tic. Paz. Ltd.Şti.

We, as MCN Makina, are offering our machines in a trouble-free and reliable way by penetrating into the globalizing world markets through dealership method.

# SABEN STP - MT MODEL



TECHNICAL CHARACTERISTICS	STP 400 MT	STP 600 MT	STP 800 MT
<b>RESISTANCE POWER</b>	5 KW	7 KW	10 KW
<b>FUSING DURATION</b>	5 – 30 SEC	5 – 30 SEC	5 – 30 SEC
<b>PRESSURE</b>	0 – 6 KG	0 – 6 KG	0 – 6 KG
<b>MAX TEMPERATURE</b>	0 – 200 °C	0 – 200 °C	0 – 200 °C
<b>MAX TAPE SPEED</b>	0 – 10 m/min	0 – 10 m/min	0 – 10 m/min
<b>VOLTAGE</b>	380V AC 50 HZ	380V AC 50 HZ	380V AC 50 HZ
<b>DIMENSIONS</b>	90 x 180 x 140 cm	110 x 180 x 140 cm	130 x 180 x 140 cm
<b>WEIGHT</b>	187 kg	235 kg	285 kg

## Areas of use:

It is used for fusing and ironing in the ready-made clothing industry. Its area of application generally relates to the fusing of trousers, shirts, and t-shirts. It is equipped with a nonslip tape control system and the pneumatic pressure offers a better quality fusing. The special splicing tapes used in our machines eliminates the trace problem on the product worked and doubles the tape lifetime. Tape width varies from 40 cm to 60 cm and 80 cm depending on models. Our machines are equipped with two resistance groups; i.e., upper and lower resistance systems. Precise heat adjustment is possible by means of the electronic thermostat. Tape is cleaned and fused products are taken by means of the rotary silicone scrapers of machines.

# SABEN STP - TKM MODEL



TECHNICAL CHARACTERISTICS	STP 400 TKM	STP 600 TKM
<b>RESISTANCE POWER</b>	5 KW	7 KW
<b>FUSING DURATION</b>	5 – 30 SEC	5 – 30 SEC
<b>PRESSURE</b>	0 – 6 KG	0 – 6 KG
<b>MAX TEMPERATURE</b>	0 – 200 °C	0 – 200 °C
<b>MAX TAPE SPEED</b>	0 – 10 m/min	0 – 10 m/min
<b>VOLTAGE</b>	380V AC 50 HZ	380V AC 50 HZ
<b>DIMENSIONS</b>	90 x 290 x 140 cm	110 x 290 x 140 cm
<b>WEIGHT</b>	287 kg	335 kg

## Areas of use:

It is used for fusing and ironing in the ready-made clothing industry. Its area of application generally relates to the smooth and rapid fusing of continuous interlining fused on the trouser waistbands. Winding is possible at 4 or 5 controlled speeds depending on the machine width. It is equipped with a nonslip tape control system and the pneumatic pressure offers a better quality fusing. The special splicing tapes used in our machines eliminates the trace problem on the product worked and doubles the tape lifetime. Tape width varies between 40 cm and 60 cm depending on models. Our machines are equipped with two resistance groups; i.e., upper and lower resistance systems. Precise heat adjustment is possible by means of the electronic thermostat. Tape is cleaned and fused products are taken by means of the rotary silicone scrapers of machines.

# SABEN STP - L MODEL



TECHNICAL CHARACTERISTICS	STP 600 L	STP 750 L	STP 1000 L	STP 1200 L
RESISTANCE POWER	13 KW	17 KW	20 KW	22 KW
FUSING DURATION	5 – 30 SEC			
PRESSURE	0 – 10 KG			
MAX TEMPERATURE	0 – 200 °C			
MAX TAPE SPEED	0 – 15 m/min			
VOLTAGE	380V AC 50 HZ			
DIMENSIONS	129 x 315 x 123 cm	144 x 315 x 123 cm	150 x 340 x 123 cm	174 x 340 x 123 cm
WEIGHT	540 kg	590 kg	680 kg	750 kg

## Areas of use:

It is used for fusing, ironing, and sequin application in the ready-made clothing industry. Its area of application generally relates to the fusing of trousers, shirts, and t-shirts. It is highly efficient also in the sequin applications. Switches are used for preventing the slipping of tapes thanks to the pneumatic system. Pressure is adjusted by means of the pistons thanks to the pneumatic system. Optimum and homogeneous printing is obtained thanks to the wide printing rollers found at the outlet. The special splicing tapes used in our machines eliminates the trace problem on the product worked and doubles the tape lifetime. Tape width varies from 60 cm to 75 cm, 100 cm, and 120 cm depending on models. Our machines are equipped with two resistance groups; i.e., upper and lower resistance systems. PID heat control system maintains the heat balance, ensures individual controls, and enables precise temperature adjustment. Tape is cleaned and fused products are taken by means of the rotary silicone scrapers of machines. The cooling unit positioned at the outlet helps to ensure the faster cleaning of fused products.

# SABEN STP - DLX MODEL



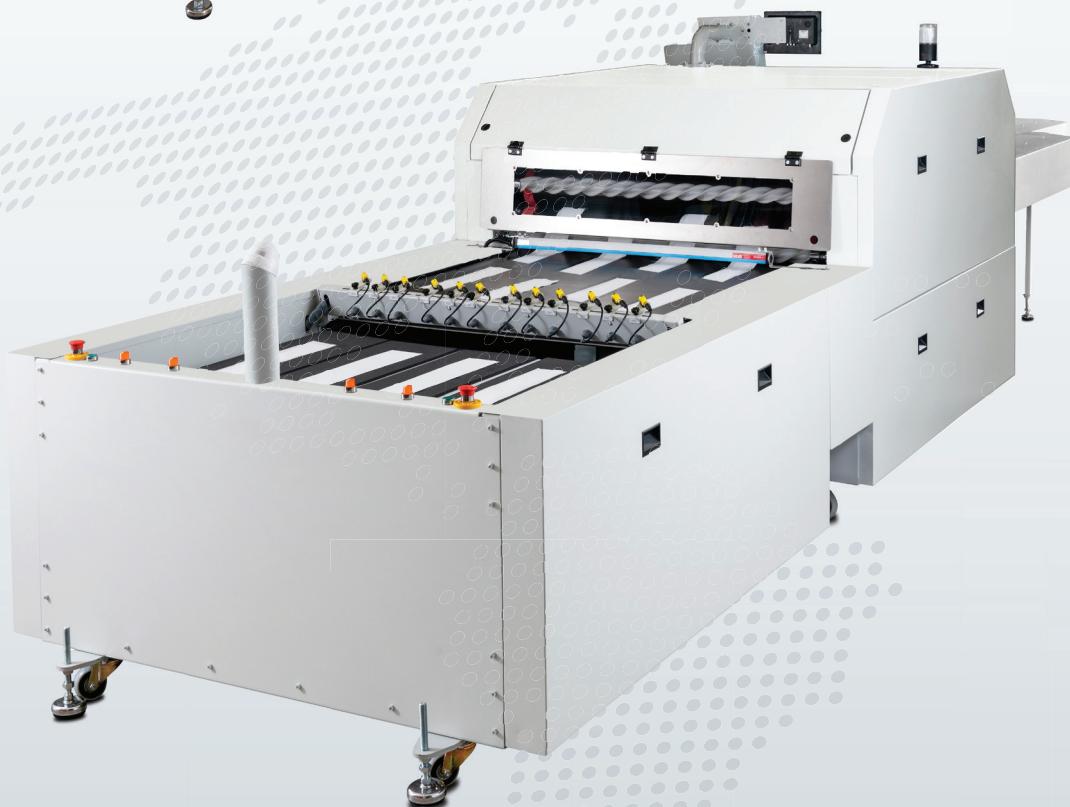
TECHNICAL CHARACTERISTICS	STP 600 DLX	STP 750 DLX	STP 1000 DLX	STP 1200 DLX	STP 1600 DLX	STP 1800 DLX
<b>RESISTANCE POWER</b>	16 KW	22 KW	28 KW	30 KW	38 KW	42 KW
<b>FUSING DURATION</b>	5 – 30 SEC	5 – 30 SEC	5 – 30 SEC	5 – 30 SEC	5 – 30 SEC	5 – 30 SEC
<b>PRESSURE</b>	0 – 15 KG	0 – 15 KG	0 – 15 KG	0 – 15 KG	0 – 15 KG	0 – 15 KG
<b>MAX TEMPERATURE</b>	0 – 200 °C	0 – 200 °C	0 – 200 °C	0 – 200 °C	0 – 200 °C	0 – 200 °C
<b>MAX TAPE SPEED</b>	0 – 15 m/min	0 – 15 m/min	0 – 15 m/min	0 – 15 m/min	0 – 15 m/min	0 – 15 m/min
<b>VOLTAGE</b>	380V AC 50 HZ	380V AC 50 HZ	380V AC 50 HZ	380V AC 50 HZ	380V AC 50 HZ	380V AC 50 HZ
<b>DIMENSIONS</b>	131 x 400 x 128cm	146 x 400 x 128 cm	171 x 400 x 128 cm	191 x 400 x 128 cm	231 x 400 x 128 cm	251 x 400 x 128 cm
<b>WEIGHT</b>	575 kg	640 kg	750 kg	840 kg	980 kg	1050 kg

## Areas of use:

It is used for fusing, ironing, sequin application, and transfer heat press processes in the ready-made clothing industry. Its area of application generally relates to the fusing of trousers, shirts, and t-shirts. It is highly efficient also in the sequin and transfer heat press applications. Switches are used for preventing the slipping of tapes thanks to the pneumatic system. Pressure is adjusted by means of the pistons thanks to the pneumatic system. Optimum and homogeneous printing is obtained thanks to the wide printing rollers found at the outlet. The special splicing tapes used in our machines eliminates the trace problem on the product worked and doubles the tape lifetime. Tape width varies from 60 cm to 75 cm, 100 cm, 120 cm, 160 cm, and 180 cm depending on models. Our machines are equipped with two resistance groups; i.e., upper and lower resistance systems. PID heat control system maintains the heat balance, ensures individual controls, and enables precise temperature adjustment. Tape is cleaned and fused products are taken by means of the rotary silicone scrapers of machines. The cooling unit positioned at the outlet helps to ensure the faster cleaning of fused products.

# SABEN F - LO MODEL

## Feeding and Stacking System





#### **Areas of use:**

It is used in interlining bonding and ironing systems. Its application area is mostly the bonding of suits, shirts, trousers and t-shirt interlinings.

Thanks to the PVC conveyor at the entrance, heat loss has been greatly reduced and electricity consumption has been greatly reduced. Thanks to the pneumatic system, the sensitivity in Teflon tapes is minimized, and the most ideal, homogeneous printing and correct bonding are obtained thanks to the large diameter printing rollers. By using Seamless Antistatic Teflon tapes in our machines, the trace problems on the products have been removed and the tape life has been extended further. There are two groups of specially designed whale resistance systems in our machines, and the sensitivity is increased by controlling the band surface in equal degrees and in four regions as upper and lower. Thanks to the ergonomic rotating silicone scrapers in our machine, while cleaning the surface of the tape, the products coming out from the other side are collected. According to the models, Saben F - Lo series can be produced in accordance with 60-75-100-120-140-160 cm working area.

#### **Feeding unit:**

Thanks to this system, a feeding system can be added according to the band widths of the machine and more efficient operation is ensured. Correct interlining bonding takes place during the transition of the work product, heat and printing zone. Thanks to the feeding system, it is ensured that each personnel produce products equally, according to the bandwidth of the interlining press used, and thus it is suitable for full use. Since there is no heated area in the feeding unit, no bonding process is started until the product enters the tunnel and correct bonding is achieved.

#### **Stacking unit:**

Since the product is exposed to heat and pressure in the interlining process, handprints and bubbles can be seen on the product because it is intervened without resting at the exit. These problems cause deformation at the production stage and cannot be considered as correct bonding. If we consider the personnel costs in today's conditions, thanks to automatic stacking, 2 to 4 personnel are benefited according to the job at the machine exit. Afterwards, by performing automatic stable stacking, both the product is not contacted while it is hot, and correct bonding is achieved by performing a proper stacking.

#### **Magnetic Metal Holder Bar:**

Seamless teflon tapes and silicone rollers used in the production of the interlining press are among the products that we do not want to be damaged. It is optionally designed to prevent any unintentional metal product, such as a pin that can be forgotten on the products being worked on, or scissors used by the working personnel, from working zone, due to early deformation in terms of cost.

#### **Static Receiver Bar:**

If the products being worked on are exposed to heat according to their characteristics, the electrification that occurs in the moving environment may cause the product to move at the exit in the absence of a static receiver bar. This is one of the situations we do not want to happen. As a precaution, the static bar can be optionally added to the machine and a perfect collection is performed.

# SABEN F - LO MODEL BO & BW

## Lamination System





## Lamination System

Its application area is mostly used in suits, shirts, trousers, coats and lamination processes. It is used in the processes of losing the shrinkage and opening shares of the fabrics of the products before they are cut into rolls, bonding the interlinings in rolls and perfect wrapping in the roll.

Heat loss is minimized to a great extent with the PVC conveyor and heat insulation system at the entrance of the machine. Thanks to the pneumatic system, the sensitivity of Teflon tapes is minimized, and the most ideal, homogeneous printing and correct bonding are provided thanks to the large-diameter printing rollers. By using Seamless Antistatic Teflon tapes in our machines, the trace problems on the products have been eliminated and the tape life has been extended further. There are two groups of specially designed whale resistance systems in our machines, and the sensitivity is increased by controlling the band surface equally in four regions, upper and lower. Thanks to the ergonomic rotating silicone scrapers in our machine, the surface of the belt is cleaned while the products coming out from the other side are collected. According to Saben F - Lm series models, it can be produced in accordance with 160-180-200 cm working area.

## Ball Release System:

Thanks to the optical sensors in the ball opening system, successful edge control is achieved and free entry into the bonding area is ensured by removing the tension in the fabric. At this stage, the quantity measurement of the given product is done in digital environment.

## Ball Wrapping System:

Thanks to the optical sensors in the ball winding system, successful edge control is achieved and the product coming out of the bonding area is wrapped perfectly by removing the tension in the fabric. At this stage, the wrapped product is measured digitally and verification and reporting can be done by reference from the input.

# SABEN UBP - MANUEL MODEL



TECHNICAL CHARACTERISTICS	UBP 15x15	UBP 20x20	UBP 25x25
<b>RESISTANCE POWER</b>	700 KW	900 KW	1250 KW
<b>FUSING DURATION</b>	10 – 60 SEC	10 – 60 SEC	10 – 60 SEC
<b>PRESSURE</b>	0 – 10 KG	0 – 10 KG	0 – 10 KG
<b>MAX TEMPERATURE</b>	0 – 200 °C	0 – 200 °C	0 – 200 °C
<b>VOLTAGE</b>	230V	230V	230V
<b>DIMENSIONS</b>	80 x 80 x 75 cm	80 x 80 x 75 cm	80 x 80 x 75 cm
<b>WEIGHT</b>	75 kg	75 kg	80 kg

## Areas of use:

It is used for fusing and ironing in the ready-made clothing industry. Its area of application generally relates to the fusing of trousers, shirts, and t-shirts. It is equipped with a nonslip tape control system and the pneumatic pressure offers a better quality fusing. The special splicing tapes used in our machines eliminates the trace problem on the product worked and doubles the tape lifetime. Tape width varies from 40 cm to 60 cm and 80 cm depending on models. Our machines are equipped with two resistance groups; i.e., upper and lower resistance systems. Precise heat adjustment is possible by means of the electronic Thermostat. Tape is cleaned and fused products are taken by means of the rotary silicone scrapers of machines.

# SABEN UBP - AUTOMATIC MODEL



TECHNICAL CHARACTERISTICS	UBP 50x40	UBP 20x20
RESISTANCE POWER	4 KW	5 KW
FUSING DURATION	10 – 60 SEC	10 – 60 SEC
PRESSURE	0 – 15 KG	0 – 15 KG
MAX TEMPERATURE	0 – 200 °C	0 – 200 °C
VOLTAGE	230V	230V
DIMENSIONS	94 x 111 x 151 cm	104 x 131 x 151 cm
WEIGHT	310 kg	370 kg

## Areas of use:

It is used in **transfer heat press**, sequin application, and printing processes of especially sewn products.

**Transfer heat press** operates via a pneumatic system. The head on the upper heater table is loaded onto the induction shaft and it can; thus, very easily moves automatically rightward and leftward. This body is also equipped with a control panel. Heat, time, and pressure can be adjusted on the control panel. Transfer heat pressure can be adjusted between 0 to 6 bars depending on the assignment. The upper heater table is coated with a special Teflon tape that prevents any damage to the products worked. The lower tables have; on the other hand, rubber sponges with special silicon resistant against heat and pressure.

# SABEN BHR - AUTOMATIC MODEL



TECHNICAL CHARACTERISTICS	BHR 40x60	BHR 50x70
<b>RESISTANCE POWER</b>	24 KW	25 KW
<b>FUSING DURATION</b>	10 – 60 SEC	10 – 60 SEC
<b>PRESSURE</b>	0 – 15 KG	0 – 15 KG
<b>MAX TEMPERATURE</b>	0 – 200 °C	0 – 200 °C
<b>VOLTAGE</b>	380V	380V
<b>DIMENSIONS</b>	94 x 130 x 151 cm	94 x 150 x 151 cm
<b>WEIGHT</b>	310 kg	370 kg

## Areas of use:

It is used for transfer heat press, sequin application, and printing processes especially for sewn products and the products that have a higher contraction rate and are exposed to discoloration when heated. Transfer heat press operates via a pneumatic system. The head on the upper heater table is loaded onto the induction shaft and it can; thus, very easily moves automatically rightward and leftward. This body is also equipped with a control panel. Heat, time, and pressure can be adjusted on the control panel. Lower tables are heated via steam and supported with a steam unit independently from the machine. Transfer heat pressure can be adjusted between 0 to 6 bars depending on the assignment. The upper heater table is coated with a special Teflon tape that prevents any damage to the products worked. The lower tables have; on the other hand, special premium quality sponges with higher silicon rate and resistance against heat and pressure.

# SABEN ERT - AUTOMATIC MODEL



TECHNICAL CHARACTERISTICS	ERT 50x70	ERT 60x80
<b>RESISTANCE POWER</b>	12 KW	25 KW
<b>FUSING DURATION</b>	10 – 60 SEC	10 – 60 SEC
<b>PRESSURE</b>	0 – 15 KG	0 – 15 KG
<b>MAX TEMPERATURE</b>	0 – 200 °C	0 – 200 °C
<b>VOLTAGE</b>	380V	380V
<b>DIMENSIONS</b>	94 x 150 x 151 cm	94 x 150 x 151 cm
<b>WEIGHT</b>	465 kg	550 kg

## Areas of use:

Our automatic nylon fusing machine is used in the embroidery processes of textile in general and offer a rapid and practical solution for cleaning of waste yarn left behind products. Transfer heat press operates via a pneumatic system. The head on the upper table is loaded onto the induction shaft and it can; thus, very easily moves automatically rightward and leftward. This body is also equipped with a control panel. Heat, time, and pressure can be adjusted on the control panel. Transfer heat pressure can be adjusted between 0 to 6 bars depending on the assignment. The upper table functions as a transfer press and is coated with a special Teflon tape with an interior heat insulation rubber that prevents any damage to the products worked. Once the two lower tables have heat up to the desired level, nylon interlining is covered thereon to healthily start the cleaning process.

# SABEN - DFB - AUTOMATIC MODEL



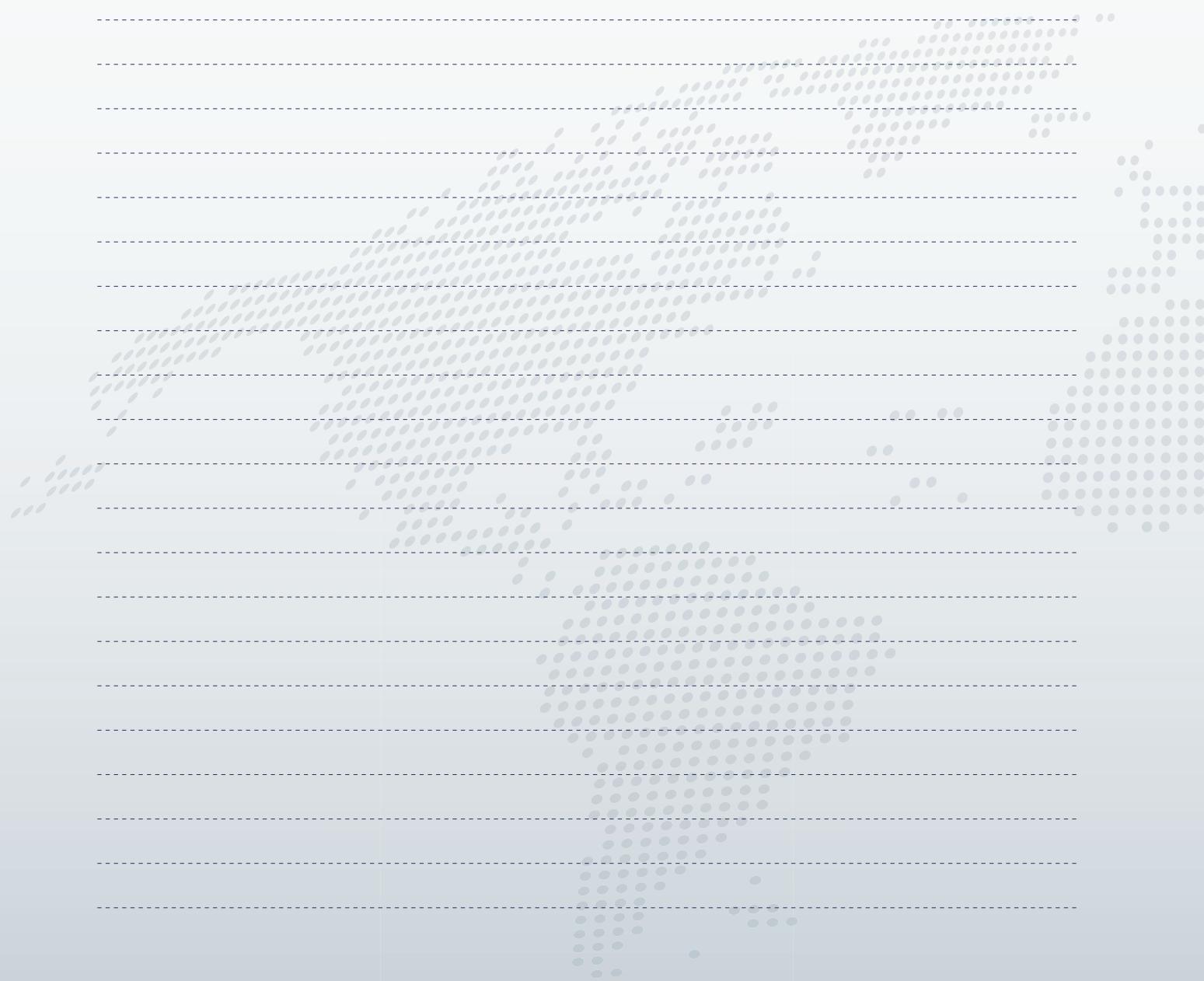
TECHNICAL CHARACTERISTICS	DFB 70x100	DFB 100x120
RESISTANCE POWER	12 KW	14 KW
FUSING DURATION	10 - 60 SEC	10 - 60 SEC
PRESSURE	0 - 15 KG	0 - 15 KG
MAX TEMPERATURE	0 - 200 °C	0 - 200 °C
VOLTAGE	230V	230V
DIMENSIONS	140 x 120 x 320 cm	140 x 150 x 360 cm
WEIGHT	750 kg	950 kg

## Areas of use:

It is used in transfer printing, stone bonding and screen printing processes, especially on sewn products. The printing press works with a pneumatic system. The head with the upper heating plate is loaded on the linear motor system, so it can be moved to the right and left automatically very easily. There is also a control panel on this body. Heat, time and pressure settings can be adjusted from the control panel. The printing pressure is adjustable between 0 – 6 bar according to the work situation. The upper heating plate is covered with a special Teflon tape, thus preventing the products from being damaged. On the lower tables, there are special silicone rubber sponges resistant to heat and pressure or felts suitable for sublimation, depending on the work to be worked on.

## NOTES

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MCN MAKİNA SAN. VE TİC. PAZ. LTD. ŞTİ.

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