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ماكينة العمر

INFINITY MACHINES
Catalog
ماكينة العمر



2026

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Plastic Thermoforming Machine



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Automatic Plastic Thermoforming Machine 4 Stations

This machine is used to form all types of plastic materials for all purposes. Through heat and powerful vacuum suction, it operates fully automatically across 4 stations (Forming, Punching, Cutting, and Stacking).








Technical Specifications

Forming Area	Max Height	Productivity	Used Materials	Power	Electricity	Weight
35 x 55 cm	12 cm	Up to 1500 pcs / hr	PP - PS - PE PET - PVC	58 kW	380 V	5 ton
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Automatic Thermoforming Line

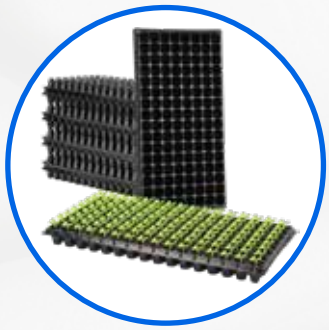
This machine is used it to forming all plastic materials and products to make meal plates, dessert plates, chocolate bases, agricultural seedling trays, toy packaging, spare parts, etc.

Through heat and powerful suction, it allows you to forming any thickness.

You can add a punching station after the forming station





Technical Specifications

Forming Area	Max Height	Productivity	Used Materials	Power	Electricity	Weight
60 x 90 cm	15 cm	Up to 900 pcs / hr	PP - PS - PE PET - PVC	(28 to 45) kW	380 V	1.5 ton

According to customer request

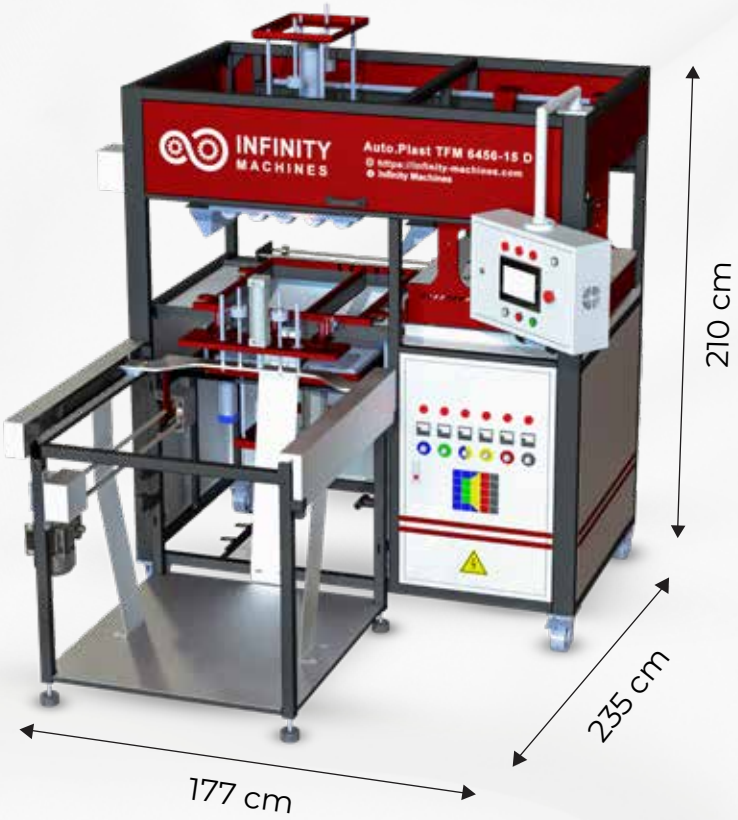
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Plastic Forming Machine

1 Stage - Automatic

This machine is used in forming all types of plastic for all purposes through heat and strong suction, which allows for forming any thickness. It does not require a permanent operator.











Technical Specifications

Forming Area	Max Height	Productivity	Materials Used	Power	Electricity	Weight
40 x 64 cm 56 x 64 cm 56 x 77 cm 61 x 77 cm	15 cm	Up to 180 pcs / hr	PS - PE PET - PVC	(9 to 16.25) kW	(220 / 380) V	(650 / 850) kg
According to customer request						

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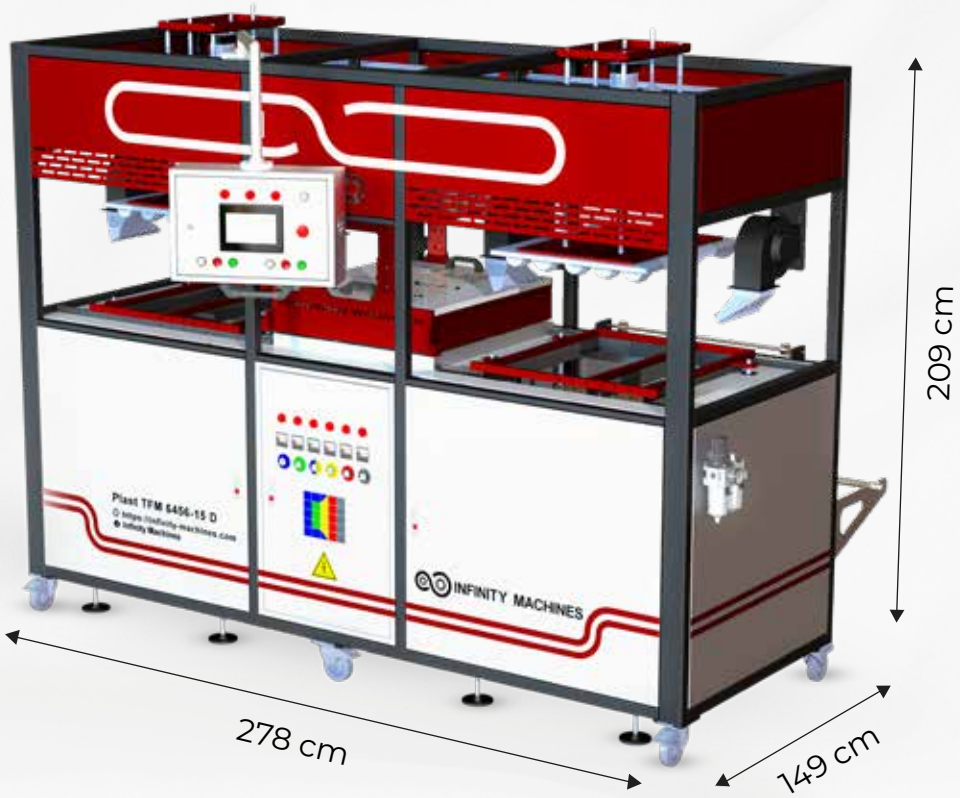
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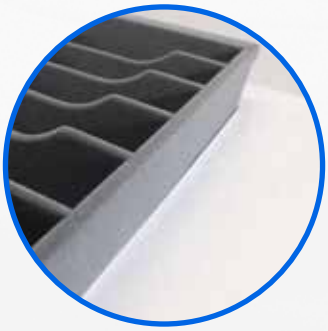
Plastic Forming Machine

2 Stage - Semi-Automatic

This machine is used to form all types of plastic for all purposes by means of heat and suction forces that form any thickness.

It requires a permanent operator.











Technical Specifications

Forming Area	Max Height	Productivity	Materials Used	Power	Electricity	Weight
40 x 64 cm 56 x 64 cm 56 x 77 cm	15 cm	Up to 240 pcs / hr	PS - PE PET - PVC	(9 to 16.25) kW	(220 / 380) V	(650 / 1000) kg

According to customer request

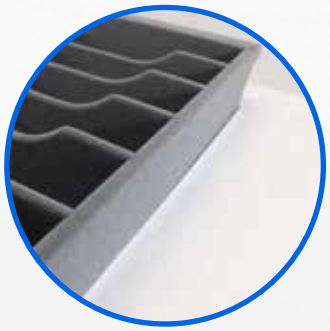
Plastic Forming Machine

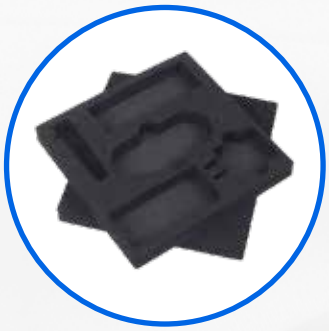
1 Stage - Semi-Automatic

This machine is used to form all types of plastic for all purposes by means of heat and suction forces that form any thickness.

It requires a permanent operator.











Technical Specifications

Forming Area	Max Height	Productivity	Materials Used	Power	Electricity	Weight
40 x 64 cm 56 x 64 cm 56 x 77 cm	15 cm	Up to 180 pcs / hr	PS - PE PET - PVC	(9 to 16.25) kW	(220 / 380) V	(650 / 850) kg
According to customer request						

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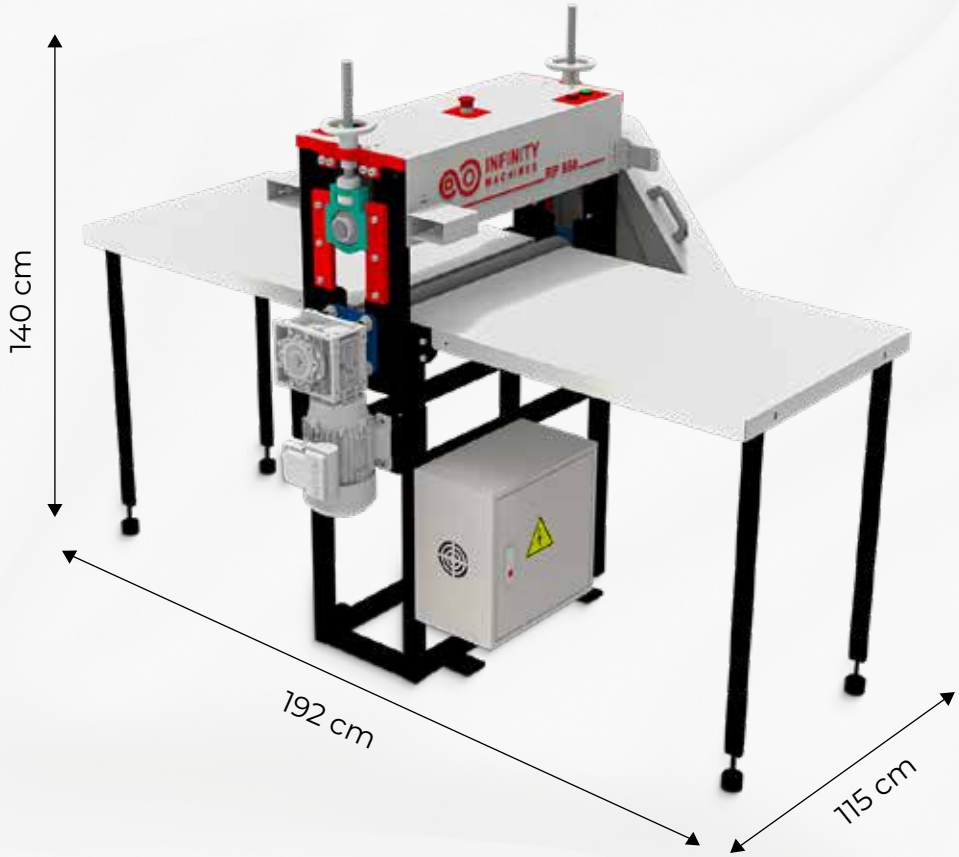
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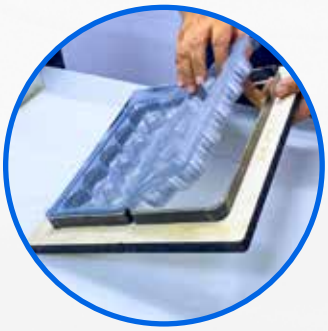
Roller Press Machine

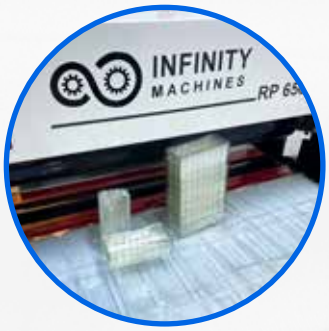
This machine cuts formed pieces according to the shape of the cutting mold.

it's characterized by productivity and ease of handling.

It has its own safety device or system to ensure











Technical Specifications

Roller Width	Max Height	Safety	Speed	Power	Weight
72 cm	15 cm	Electrical	Adjustable	750 W	120 kg

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Slide Blister Machine

This machine makes a card for packaging any product by heating the three sides of the card for fewer seconds, then bending these sides, then cooling it with air.









Technical Specifications

Card Size	Productivity	Safety	Power	Weight
Up to 35 x 50 cm	Up to 720 pcs / hr	Electrical	1.8 kW	100 kg

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Hot Press Machine

This machine welds the formed plastic card with the required paper card by heating and pressure.









Technical Specifications

Heating Area	Number of Molds	Heater Power	Max Depth	Mold Holder Rotation	Temperature	Welding Time
40 x 50 cm 50 x 70 cm	3	3.5 kW	15 cm	Manual Automatic	Adjustable	Adjustable

According to customer request

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Printing Machines



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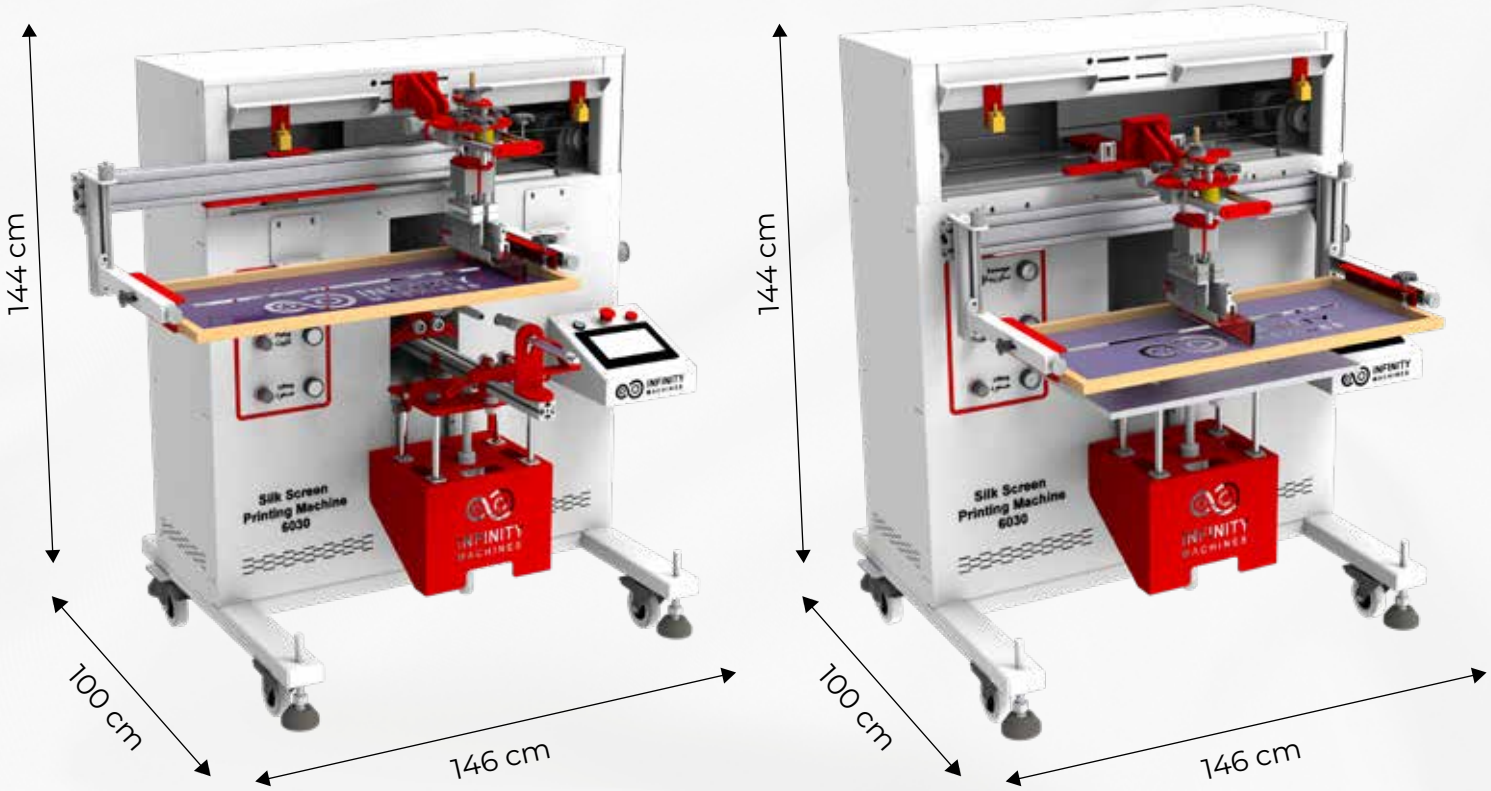
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Silk Screen Printing Machine (Medium Size)

This machine is used for printing on both circular and flat surfaces using the silk-screen printing method. It is compatible with various types of inks.





Technical Specifications

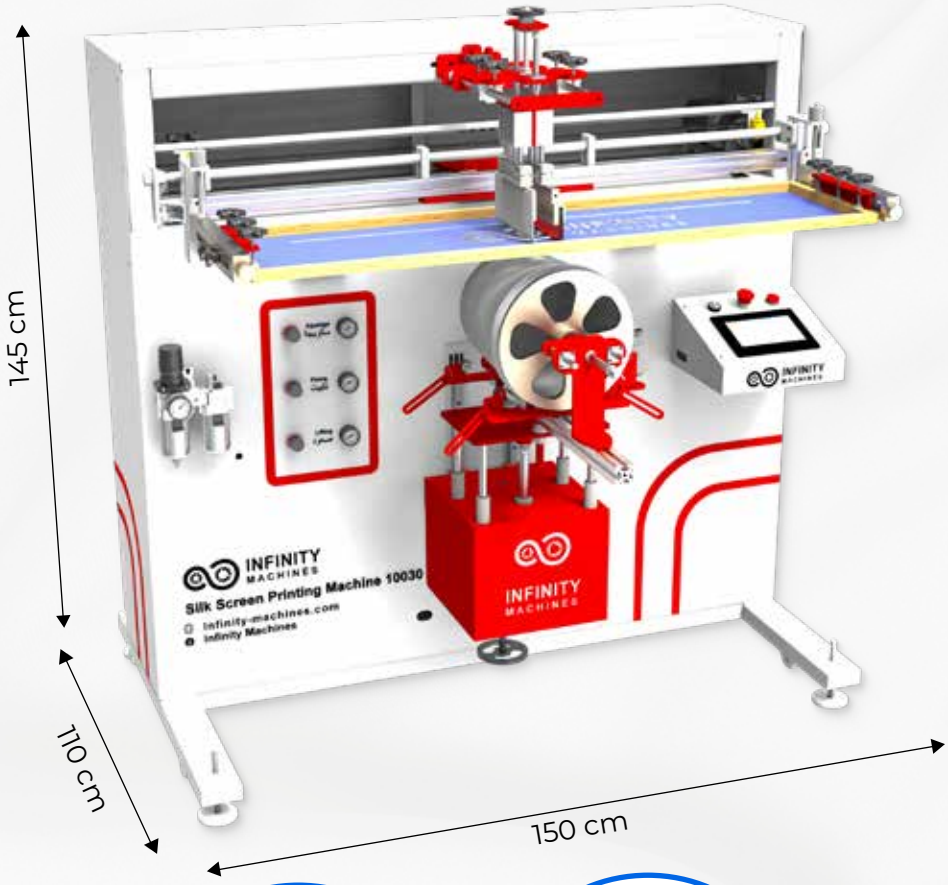
Max Area	Max Diameter	Productivity	Main Movement	Printing	Power / Electricity	Weight
30 x 60 cm	20 cm	Up to 1200 pcs / hr	Servo	Multi Colors	1000 W 220 V	150 kg

According to customer request

Silk Screen Printing Machine (Large Size)

This machine is used for printing on large circular bodies / tanks using a silk screen method.

It is compatible with various types of inks.





Technical Specifications

Max Area	Max Diameter	Productivity	Main Movement	Printing	Power / Electricity	Electricity
30 x 105 cm	32 cm	Up to 1000 pcs / hr	Servo	Multi Colors	1000 W 220 V	220 kg

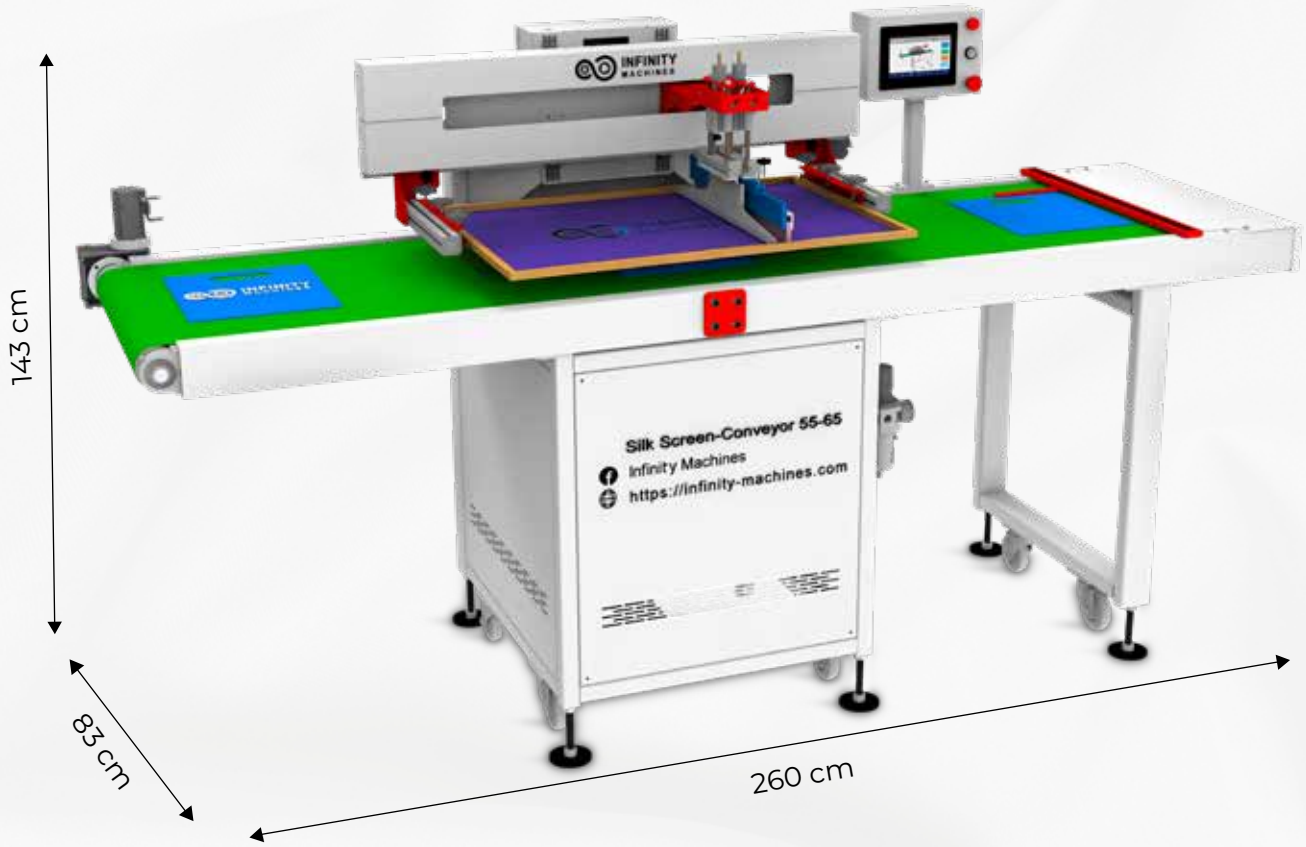
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Flat Silk Screen Printing Machine (Conveyor)

This machine is used for printing on flat objects and surfaces. It features a conveyor belt to facilitate and accelerate continuous production, making it ideal for large quantities. Various types of inks can be used with this machine.











Technical Specifications

Max Area	Printing Area	Productivity	Main Movement	Power	Electricity	Weight
60 x 75 cm	55 x 65 cm	Up to 1200 pcs / hr	Servo	400 W	220 V	220 kg

According to customer request

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Flame Treatment Machine

This machine is used for treat the surfaces of products with flame before printing or heat transfer. This process activates the plastic molecules, making them printable, which improves ink adhesion and ensures color stability on the surface.



Technical Specifications

Max Diameter	Max Height	Productivity	Electricity	Power	Weight
30 cm	30 cm	Up to 720 pcs / hr	220 V	400 W	150 kg

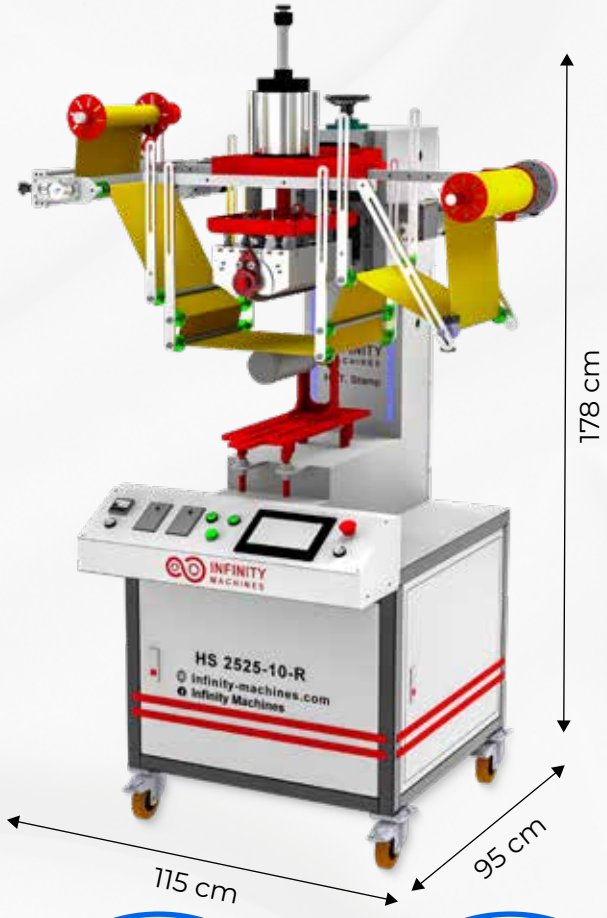
According to customer request

Heat Transfer Machine

(Vertical - Rotary) - (Medium Size)

This machine is used for transferring prints from the roll to the required piece (glass - plastic - leather - paper) using heat and pressure.













Technical Specifications

Max Area	Max Diameter	Max Height	Productivity	Power / Electricity	Weight	Safety System
30 x 30 cm	25 cm	30 cm	Up to 1000 pcs / hr	1.5 kW 220 V	150 kg	Electric

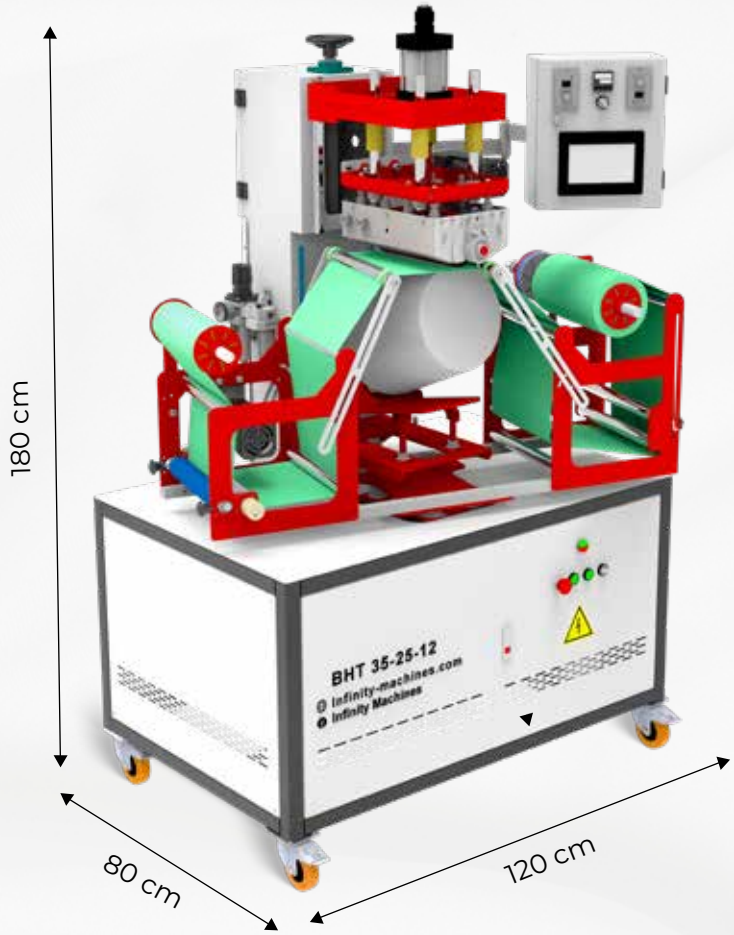
According to customer request

Heat Transfer Machine

(Vertical - Rotary) - (Large Size)

This machine is used for transferring prints from the roll to the required piece using heat and pressure.

It is compatible with oval shapes.











Technical Specifications

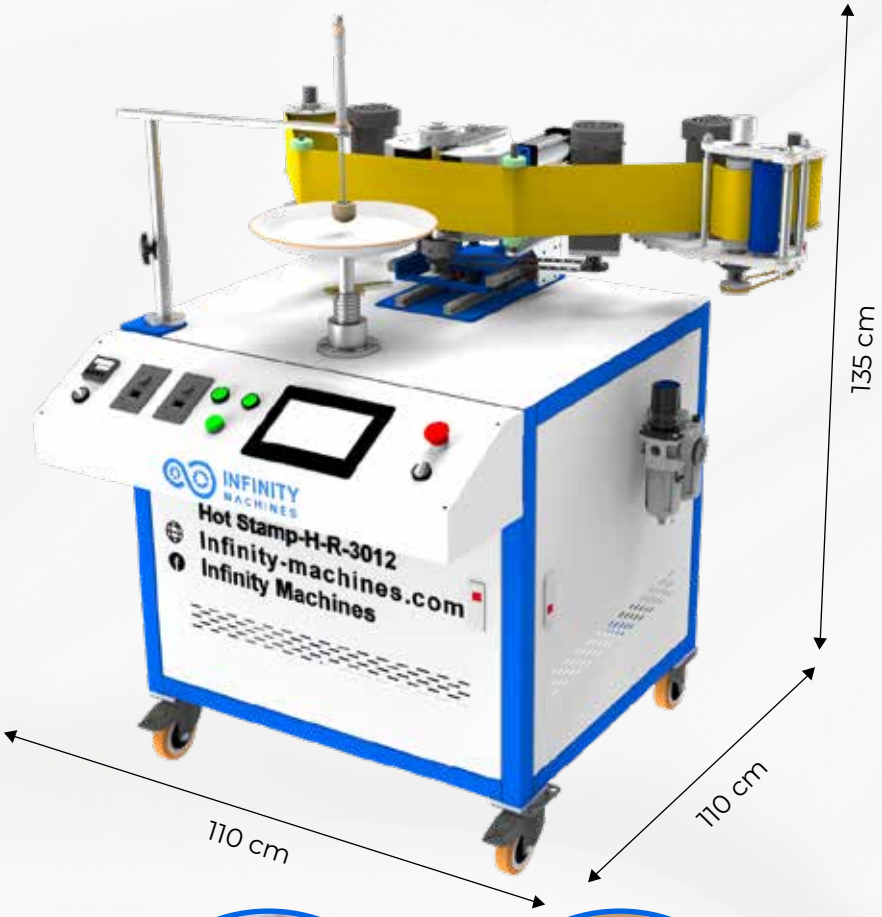
Max Angle	Max Diameter	Max Height	Productivity	Power / Electricity	Weight	Safety System
°15	35 cm	25 cm	Up to 600 pcs / hr	1.5 kW 220 V	200 kg	Electric

According to customer request

Heat Transfer Machine

(Horizontal - Rotary) - (Hot Stamping)

This machine is used to transferring prints from the roll to the required piece using heat and pressure.











Technical Specifications

Max Area	Max Diameter	Max Height	Productivity	Power / Electricity	Weight	Safety System
24 x 24 cm	24 cm	24 cm	Up to 1000 pcs / hr	220 V 1000 W	150 kg	Electric

According to customer request

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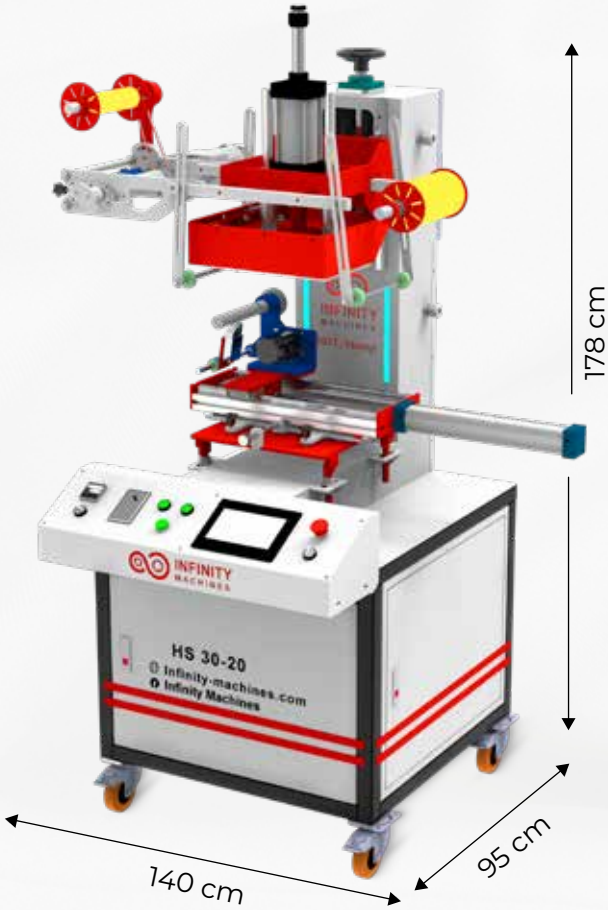
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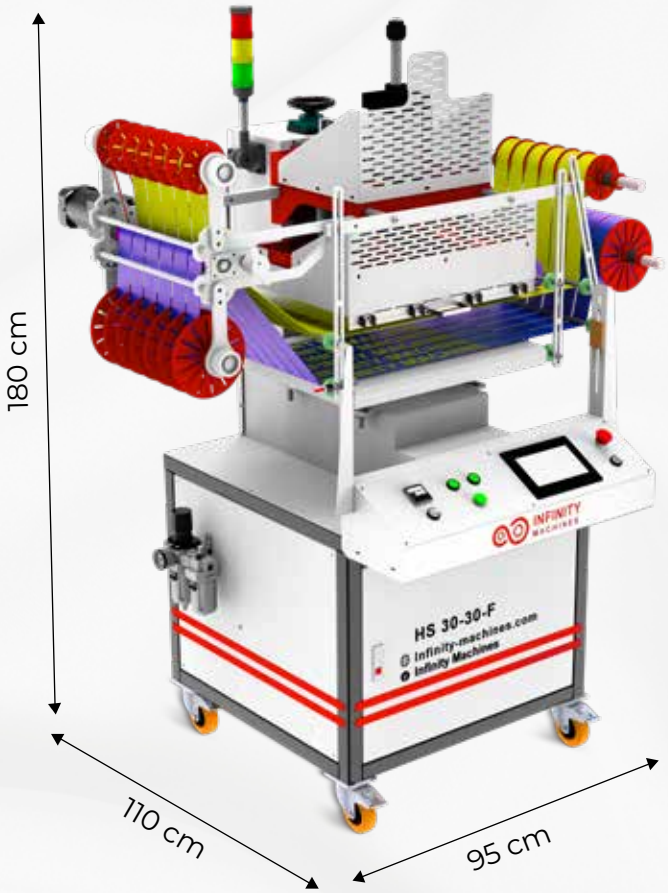
Heat Transfer Machine

(Vertical - Flat) - (24 x 33 cm) - (Hot Stamping)

This machine is used for transferring designs by heat and pressure onto the foil used.

(Rol to Rol)













Technical Specifications

Printing Area	Pressure	Productivity	Power	Electricity	Weight	Safety System
24 x 33 cm	Pneumatic	Up to 720 pcs / hr	1000 W	220 V	180 kg	Electric

According to customer request

Heat Transfer Machine

(Vertical - Flat) - (40 x 60 cm) - (Hot Stamping)

This machine is used for transferring designs onto paper using heat and pressure











Technical Specifications

Printing Area	Piece Area	Productivity	Pressure	Power / Electricity	Weight	Safety System
40 x 60 cm	70 x 100 cm	Up to 1000 pcs / hr	Hydraulic	380 V 5 kW	500 kg	Electric

According to customer request

Automatic Brush Machine

This machine is used to apply a thin layer of ink onto the required pieces (horizontal - vertical).



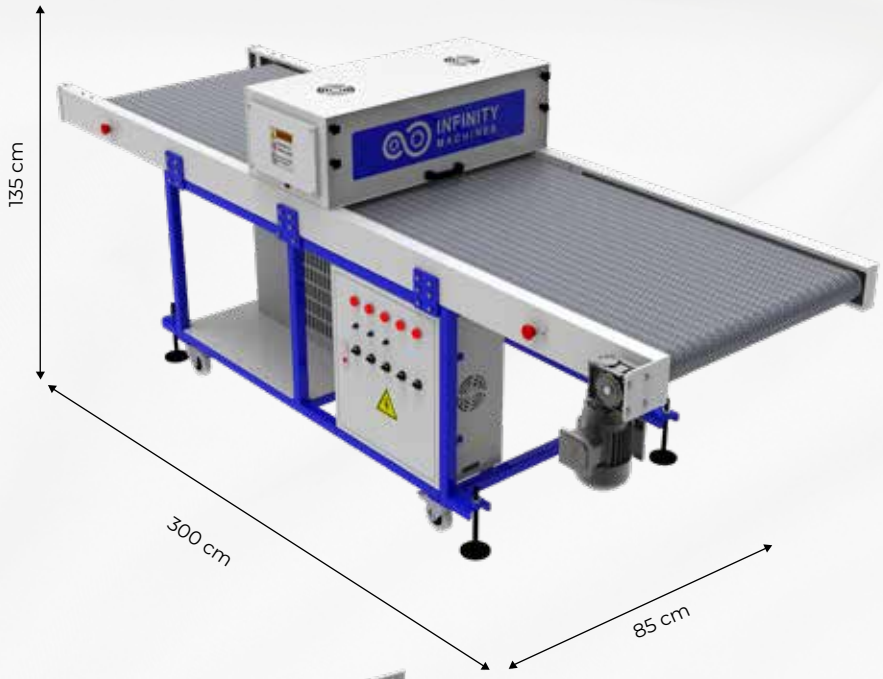
Technical Specifications

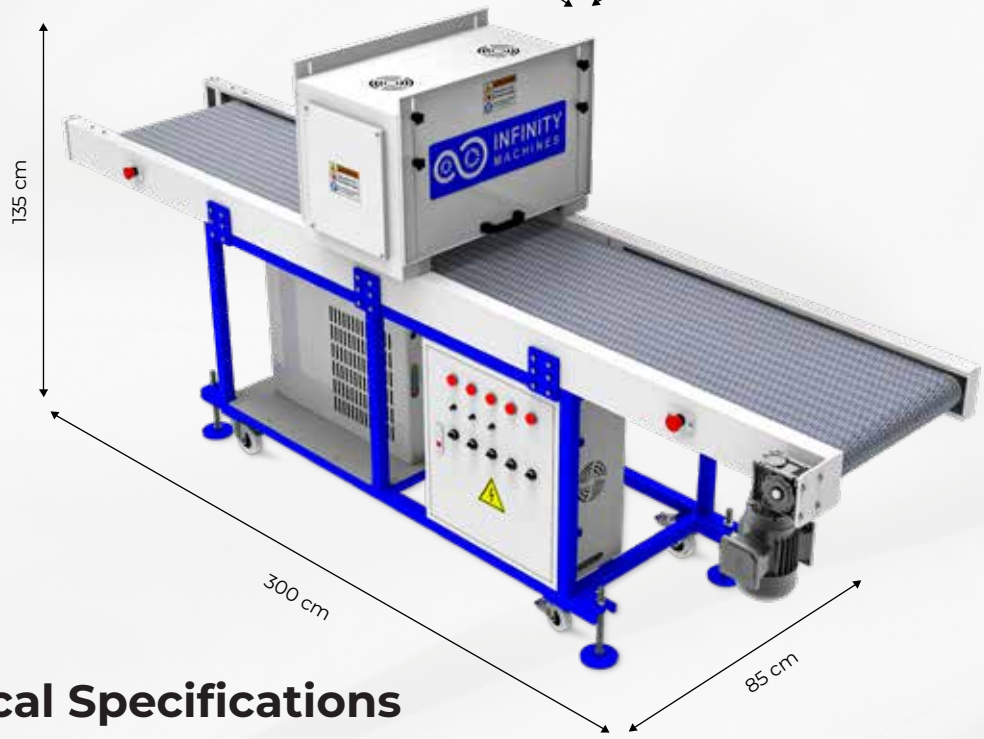
Max Diameter	Max Height	Productivity	Electricity	Power	Weight
30 cm	30 cm	Up to 1200 pcs / hr	220 V	500 W	80 kg

According to customer request

UV Curing Conveyor

This machine is used to dry the inks used through Ultraviolet (UV) rays to ensure complete draying.





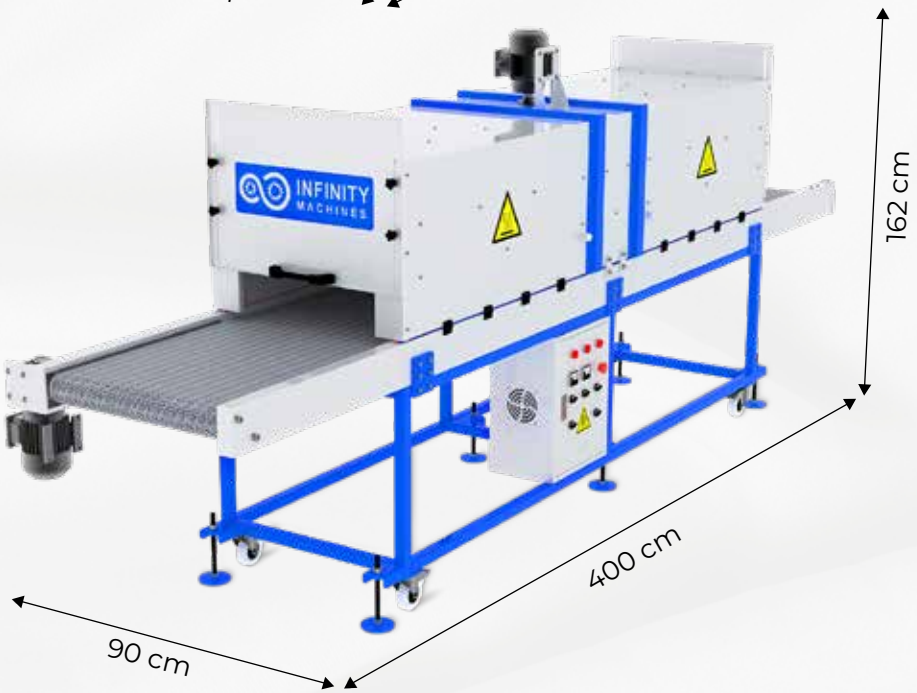
Technical Specifications

Belt Width	Max Height	Belt Length	Belt Speed	Power	Electricity	Weight
50 cm 80 cm	30 cm	Up to 3 m	Adjustable	6 kW	220 V	150 kg
According to customer request						

Heat Curing Conveyor

This machine is used to dry the inks used through heat to ensure complete draying.





Technical Specifications

Belt Width	Max Height	Heating Length	Belt Length	Belt Speed	Power / Electricity	Weight
50 cm 80 cm	30 cm	Up to 2.5 m	Up to 4 m	Adjustable	220 V 7 kW	220 kg

According to customer request

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Glass Decoration Machines

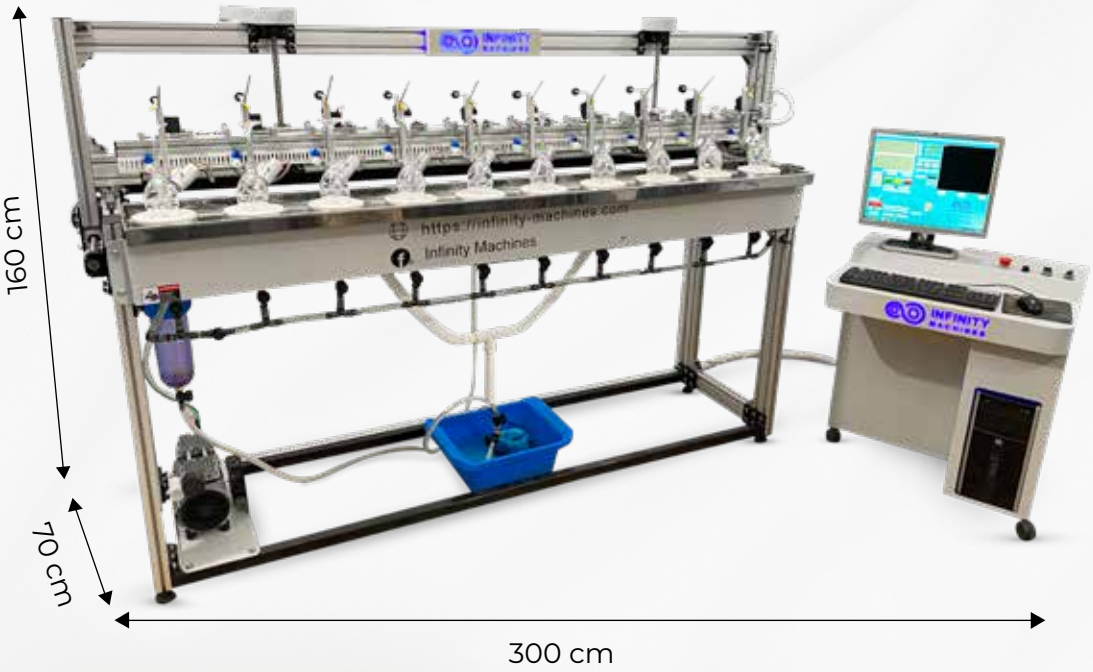


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Glass engraving Machine (Cups)

This machine engraves glass and crystal pieces of various circular, square and irregular shapes by means of the latest programs for design and implementation through this three-axis machine to ensure an excellent and consistent engraving level according to the customer's request (deep / superficial / inscribed)







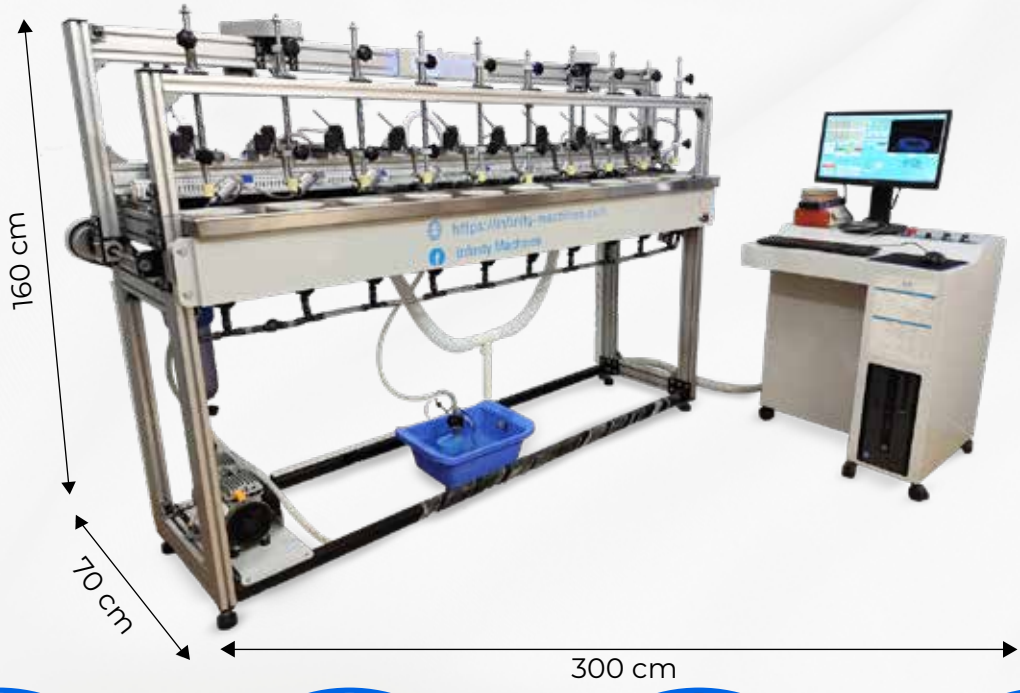

Technical Specifications

Number of Heads	Productivity	Max Diameter	Max Height	Electricity
10 / 8 / 6 Heads	60 pcs / hr (Average)	14 / 23 / 28 cm	27 cm / 37 cm	220 V
Power	**Safety System**	**Operating System**	**Weight**	**Cooling**
900 W	Electric	Computer	160 kg	Closed Water Cycle

According to customer request

Glass engraving Machine (Dish)

This machine engraves dish of various shapes by means of the latest programs for design and implementation through this three-axis machine to ensure an excellent and consistent engraving level according to the customer's request (deep / superficial / inscribed)





Technical Specifications

Number of Heads	Productivity	Max Diameter	Max Height	Electricity
10 / 8 / 6 Heads	60 pcs / hr (Average)	14 / 23 / 28 cm	27 cm	220 V
Power	**Safety System**	**Operating System**	**Weight**	**Cooling**
900 W	Electric	Computer	160 kg	Closed Water Cycle

According to customer request

Pantograph Line (transparent Etching)

The pantograph line is used to engrave glass and crystal using the wax and acid method to produce shiny engraving. It consists of four machines: a wax, engraving, acid and washing machine .

It is used in manufacturing the line , Raw materials do not react with the acids used , Each machine contains its own safety Procedures for the safety of the worker and the factory , Using The latest software for design and implementation .



1 - Wax Machine



2 - Engraving Needle Machine



3 - Acid Machine



4 - Washing Machine



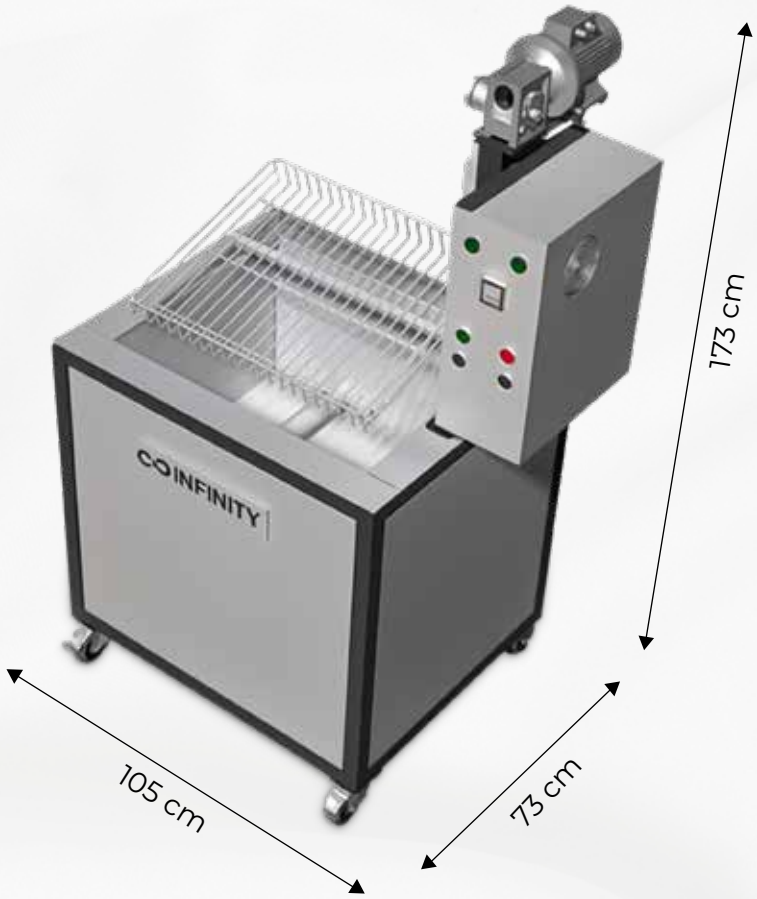






1 - Wax Machine

This machine melts the wax used in the tank (made of stainless steel) up to a temperature of 90 degrees in order to allow user to Submerge the required glass for the required period and then leave it outside the machine so that it solidifies forming a thin layer of wax on the required glass) .





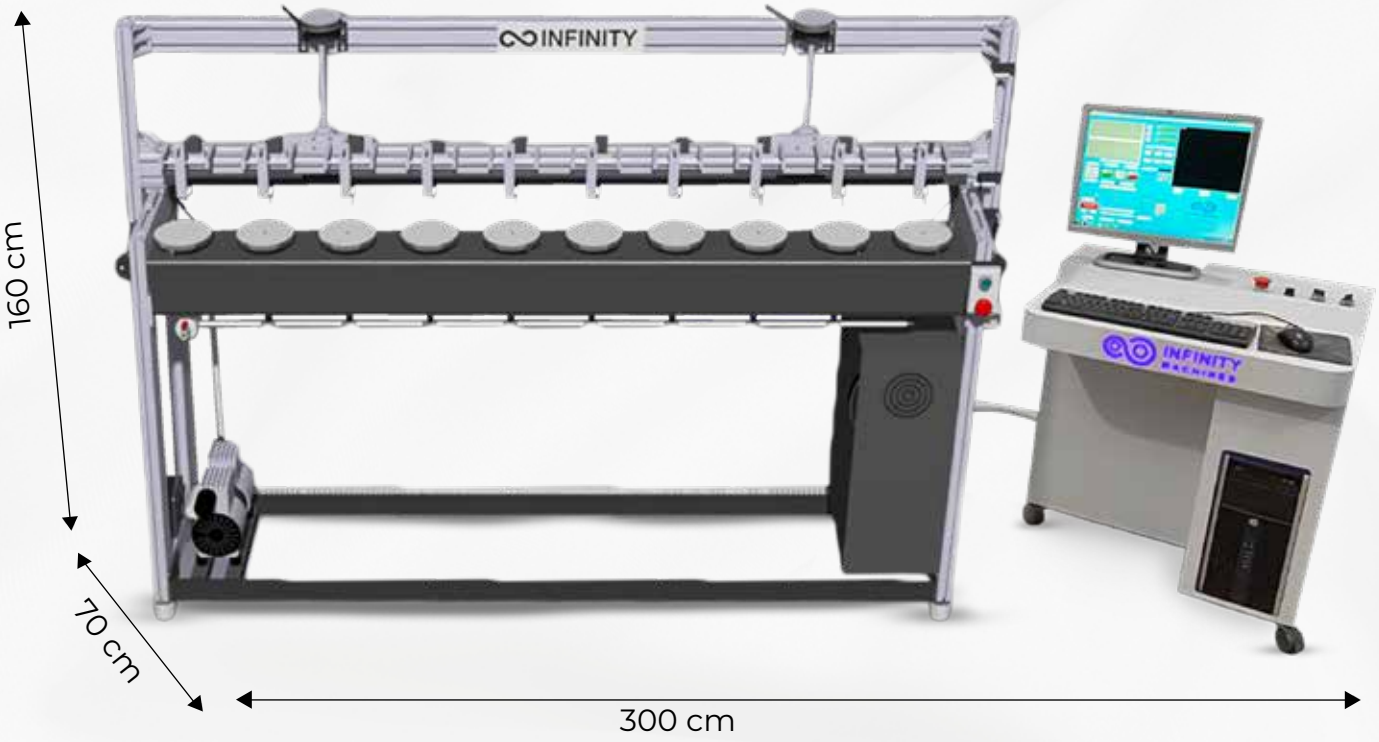
Technical Specifications

number Of Pieces	Maximum Height	Cycle Time	Electricity	Power	Safety System	Operating System
20-15 pieces / cycle	40 cm	20 seconds to 5 minutes	(380 / 220) V	6.5 kW	Automatic	Electric

According to customer request

2 - Engraving Needle Machine:

This machine engraves the wax layer according to the required design on the pieces of glass and crystal of various circular, square and irregular shapes by means of the latest programs for design and implementation through this machine with three axis to ensure an excellent level of engraving .








Technical Specifications

Number of Heads	Productivity	Max Diameter	Max Height	Electricity	Power	Safety System
10 / 8 / 6 Heads	60 pcs / hr (Average)	28 / 23 / 14 cm	37 cm	220 V	900 W	Electric

According to customer request

3 - Acid Machine :

This machine Submerge the different pieces of glass into the acid tank in order to etch the glass through the chemical reaction between the glass and the acid in order to give a bright etching with high accuracy, then it washes the pieces with water to allow the worker to contact directly without any danger.







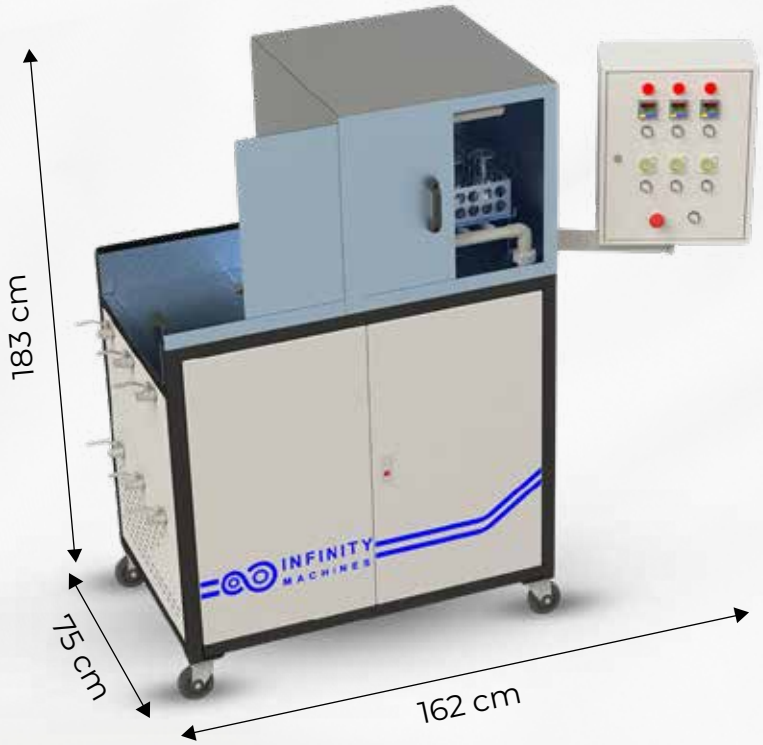

Technical Specifications

No. of Pieces	Max Height	Cycle Time	Electricity	Power	Operating System	Safety System
20 - 15 pieces / cycle	45 cm	Up to 10 minutes (Allows repetition)	380 / 220 V	750 kW	Automatic	Automatic Electric

According to customer request

4 - Washing Machine :

This machine washes the glass pieces with hot water up to 95 degree until the entire wax layer is removed from the required pieces through two / three stages According to customer request.
(the washing cycle is a closed cycle to save water use).





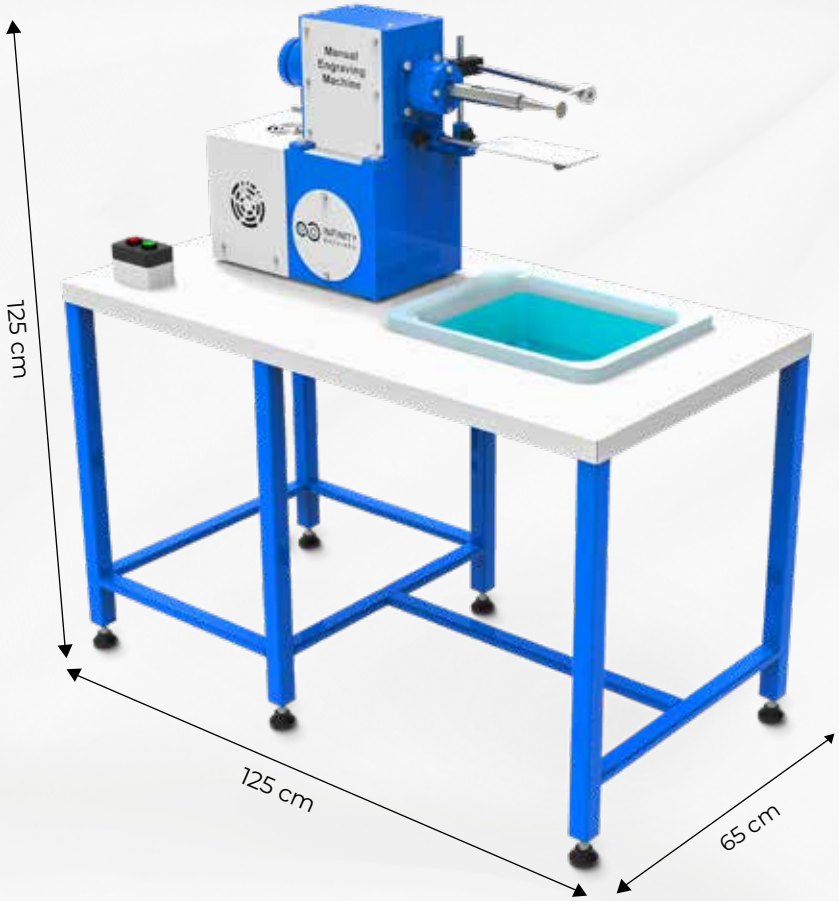



Technical Specifications

No. of Pieces	No. of Stages	Max Height	Operating Time
20-15 pieces / cycle	3 / 2 stages	45 cm	10 seconds (Allows repetition)
Electricity	**Power**	**Safety System**	**Operating System**
(380 / 220) V	7.5 kW	Electric	Automatic
According to customer request			

Manual Engraving Machine

This machine helps the worker to implement his skills in engraving on different pieces of glass and crystal to create all the required natural and geometric shapes on them.








Technical Specifications

Speed	Electricity	Power	Weight
Adjustable	220 V	750 W	120 kg

According to customer request

Glass Polishing Machine

This machine polishes glass and crystal pieces using different acids (sulfuric acid - hydrofluoric acid), then immersing them in hot water to remove the sand formed, then repeating this process until the required quality is obtained. It contains a distillation unit to remove acid gases formed during the polishing process before they exit the chimney to preserve the environment.





Heating unit



Acid Gas Distillation Unit



Cup basket









Technical Specifications

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Color Spraying Machines



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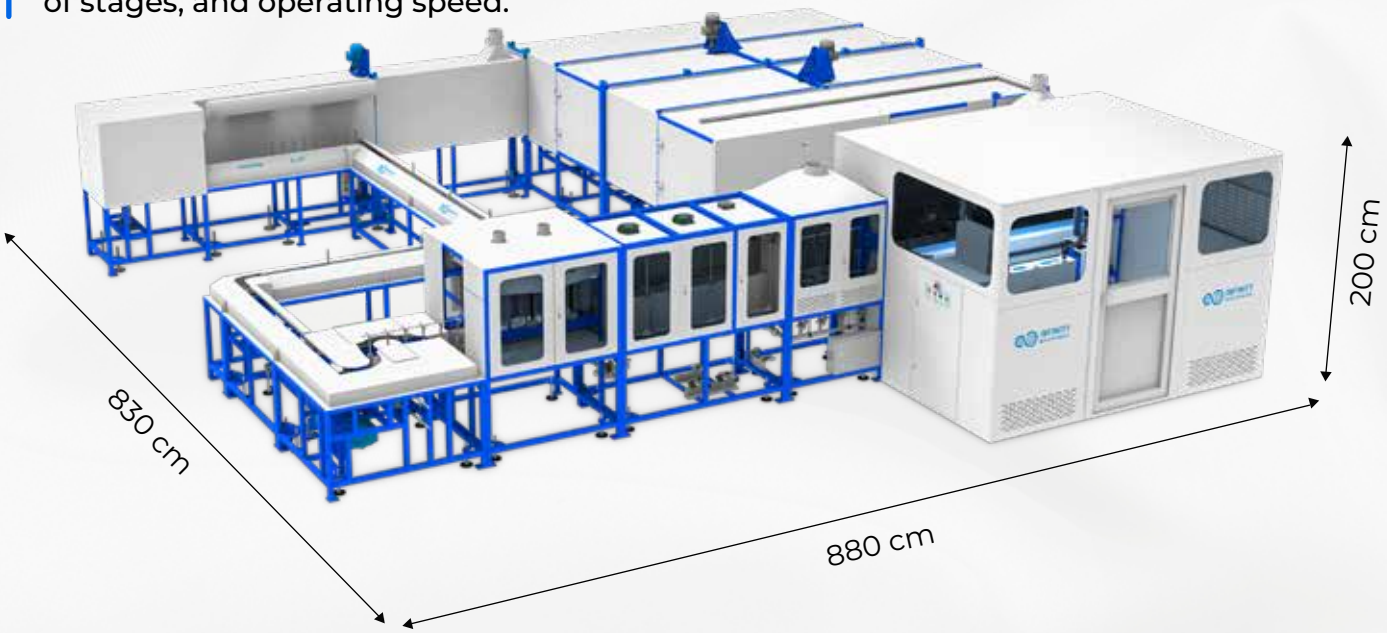
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Color Spraying Line (230°C / 350°C)

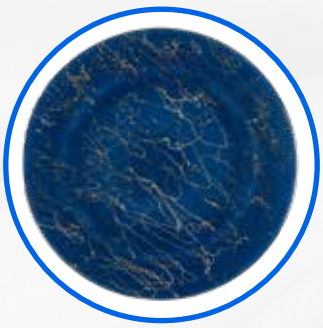
The spraying line consists of more than one stage to ensure the highest productivity and best efficiency:

1. **Brushes Cleaning:** Removes dust and surface impurities from the pieces.
2. **Water Washing:** To clean the pieces from any dirt or unwanted residues before spraying.
3. **Flame Treatment:** To remove moisture resulting from washing and grease, and to prepare the surface for the spraying process.
4. **Spraying:** It includes 6 guns equipped with tanks and color mixer, with horizontal and vertical movement to ensure precise spraying of all parts.
5. **Oven:** It contains heaters reaching up to 230°C with an air blower for even heat distribution.
6. **Unloading and Loading:** To unload the finished pieces and place new pieces to continue operation without stopping.

The line can be executed according to customer requirements in terms of length, number of stages, and operating speed.








Technical Specifications

According to customer request

scan
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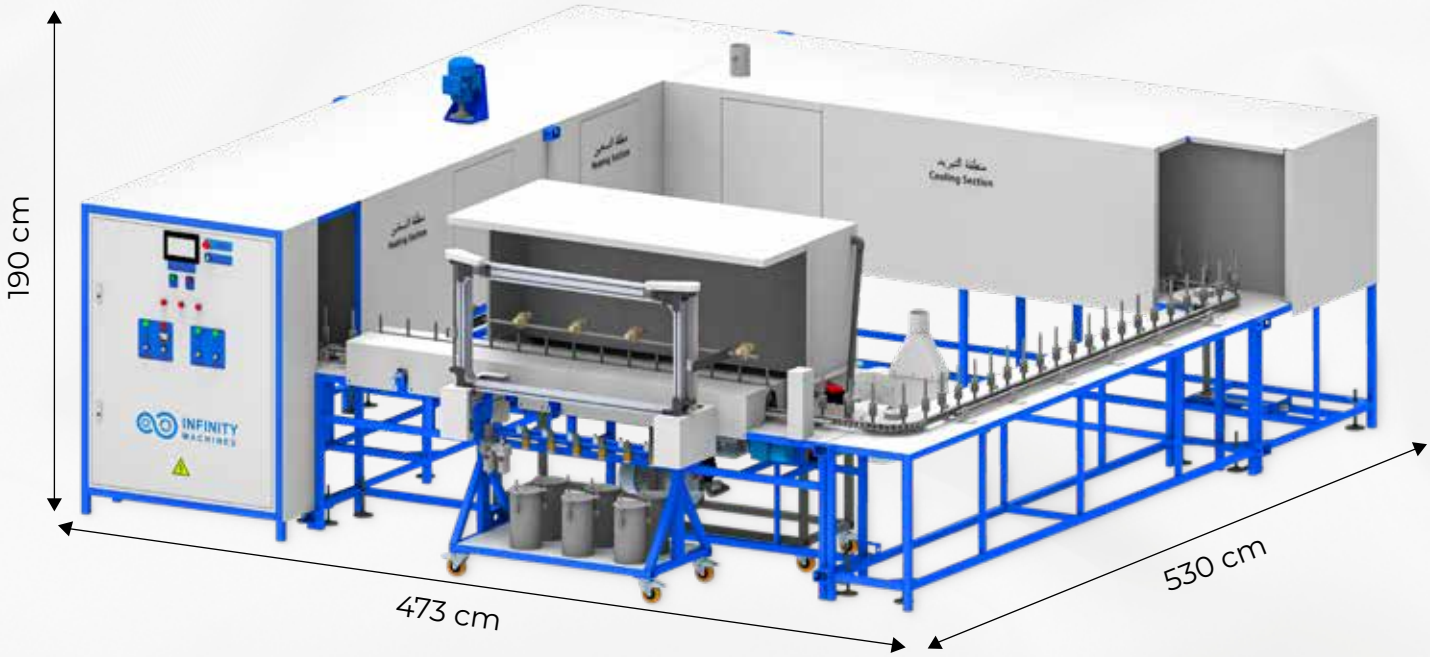
INFINITY MACHINES
ماكينة العمر

Color Spraying Line (120°C)

The spraying line consists of more than one stage to ensure the highest productivity and best efficiency :

1. **Spraying Stage:** Equipped with 6 spray guns, color tanks, and mixers to ensure color homogeneity. It features horizontal and vertical movement for easy spraying of all pieces.
2. **Oven:** Contains a set of heaters to achieve the required temperature for the colors, along with an air blower to ensure temperature uniformity at 120°C.
3. **Cooling Stage:** Allows pieces to cool slowly to avoid thermal shock from the external ambient temperature.
4. **Unloading and Loading Stage:** For final unloading of finished pieces and placing new pieces for spraying.

This line can be executed according to customer requests.








Technical Specifications

According to customer request

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ماكينة العمر

Color Spraying Machine (Rotary)

- The color spraying machine applies a thin layer of the required color and color gradients for all types of glass and non-glass pieces.
- It contains 12 heads to secure the pieces, allowing two pieces to be sprayed at a time.
- The machine is characterized by high productivity and ease of handling to spray any required shape.
- A water curtain can be added to reduce dust resulting from the spraying process with a power of 1 kW.
- Heating units can be added before or after the spraying process, or both together, with a power of 2 kW for easy handling of the piece after spraying.








Technical Specifications

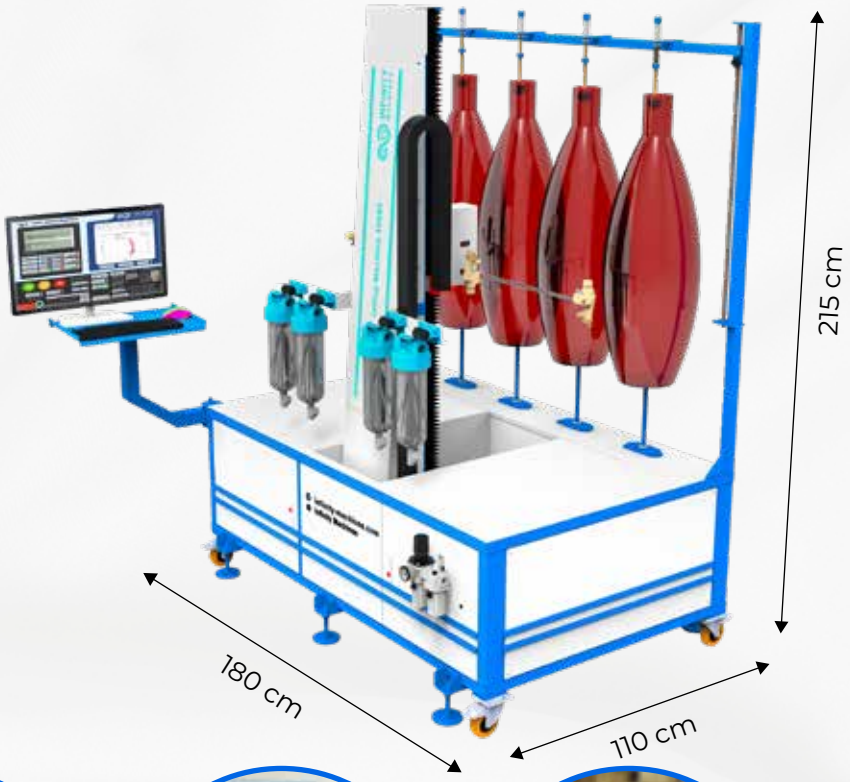
Max Diameter	Max Height	Max Productivity	No. of Guns	Power	Weight
25 cm	25 cm	Up to 1800 pcs / hr	2 / 4	750 W	450 kg

According to customer request

Color Spraying Machine (3 Axis)

This machine is used to spray glass and non-glass pieces from all directions with high precision, through a 3-axis spraying system that allows complete coverage of all surfaces.

The machine is equipped with a model of the piece to be sprayed so that it recognizes it and executes the spraying process automatically.








Technical Specifications

Max Diameter	Max Height	Max Productivity	No. of Guns	Power	Weight
30 cm	50 cm	Up to 720 pcs / hr	4	1 kW	250 kg

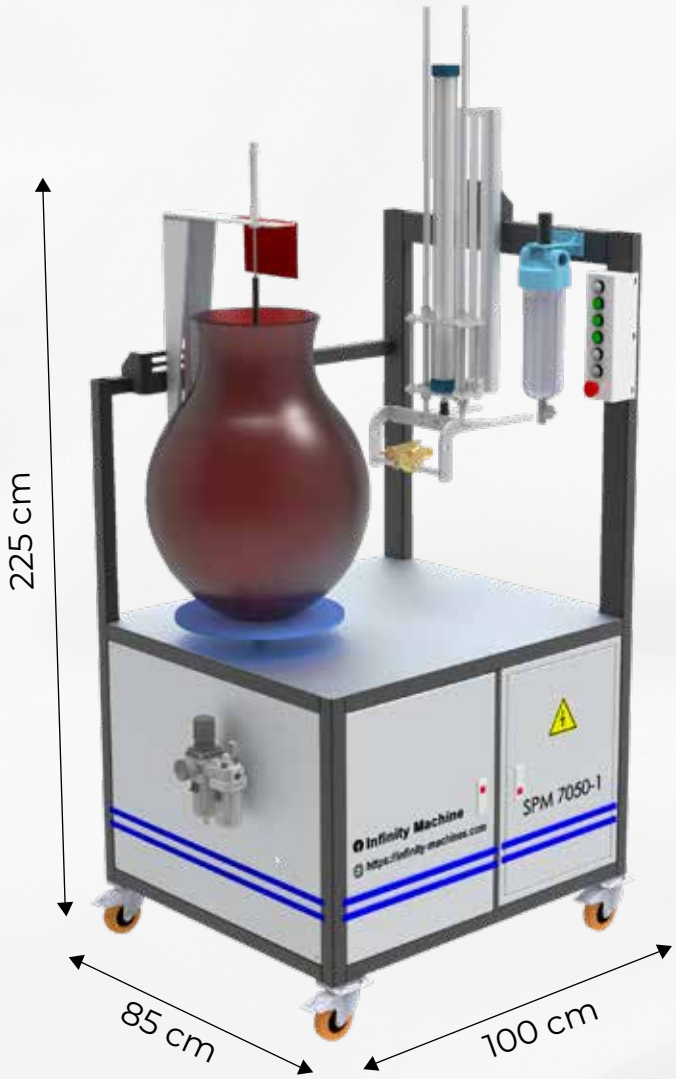
According to customer request

Color Spraying Machine (One Head)

This machine is used to spray and color glass and non-glass pieces with a homogeneous layer of the required color.

It features the ability to control the degree and density of the spray to achieve the best results.

A water curtain can be added to reduce dust resulting from the spraying process with a power of 2.25 kW.










Technical Specifications

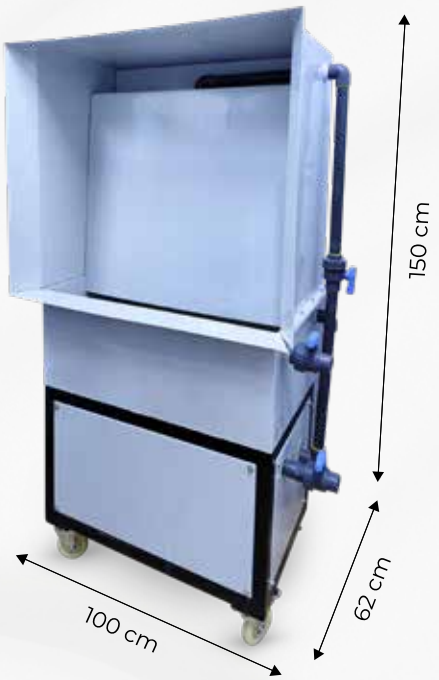
Max Diameter	Max Height	Productivity	Power	Weight
50 cm	70 cm	Up to 720 pcs / hr	750 W	75 kg
According to customer request				

Water Curtain and Heating Unit

The water curtain is used as an additional unit with the color spraying machine to reduce the dust generated during the spraying process. This helps maintain a clean work environment and ensures the quality of the final product. It operates through a closed water cycle equipped with an air blower to extract air and dust efficiently.

The heating unit is used as an additional unit either before or after the spraying process, or both together. It works specifically with the color spraying machine (Rotary Tray) to remove moisture or dust from the surface of the piece and dry it quickly after spraying. It operates with a 2 kW heating system to ensure performance efficiency.













Heating Unit

Electricity	Power	Weight
220 V	2 kW	60 kg

Water Curtain

Electricity	Power	Weight
220 V	2.25 kW	150 kg

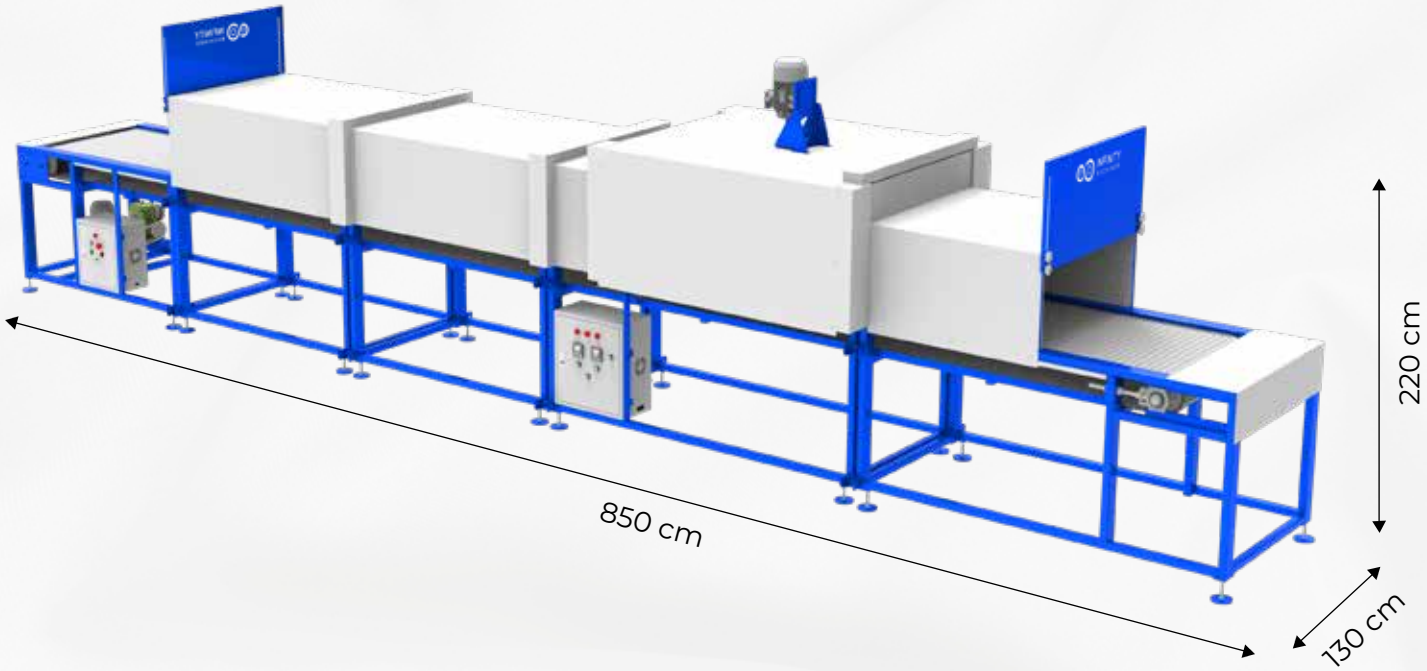
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Tunnel Oven 250°C

Tunnel Oven for drying paint on glass for making the paint more adhesive to glass pieces
The speed of the belt, as well as the temperature of the oven, can be controlled by means of a smart controller that can handle temperature deviations easily , It contains a motor to circulate the air and ensure uniform temperature
It is characterized by good insulation .








Technical Specifications

Belt Width	Max Height	Max Productivity	Oven Length	Temperature	Power	Weight
80 to 120 cm	50 cm	One cycle every (30 : 15) minutes	8 m Up to 12 m	250°C Up to 350°C	14.5 kW Up to 20 kW	Up to 1.2 t

According to customer request

Tunnel Oven 600°C

Tunnel Oven for drying paint on glass for making the paint more adhesive to glass pieces
The speed of the belt, as well as the temperature of the oven, can be controlled by means of a smart controller that can handle temperature deviations easily , It contains a motor to circulate the air and ensure uniform temperature
It is characterized by good insulation .








Technical Specifications

Belt Width	Max Height	Max Productivity	Oven Length	Temperature	Power	Weight
1 to 1.5 meters	50 cm	One cycle every (90 : 120) minutes	Up to 27 m	600°C	Up to 60 kW	Up to 3.5 t

According to customer request

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