

# SHEET BUTT FUSION WELDING MACHINE

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SMC Electric Proportional Valve
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Siemens Touchscreen
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Du Pont Coating
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Lighting Of The Welding Zone LED



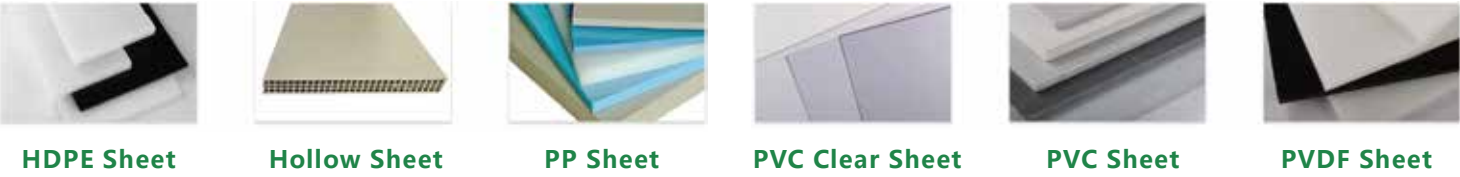
## Product Description

**Features:**  
Solid machine base as a steel structure, Process forces regulated via SMC proportional valve, Compliant with welding standards DVS 2207  
Weldable materials: sheet PVC, PE, PP, PVDF, ABS; twin walls PE and PP.  
Welding range 3.0 - 30 mm; solid wall; max 80 mm twin walls.

**Optional Auxiliary Tool:**  
90 degree angle device, clamp for rolling, foot pedal

**Function:**  
Welding Line, Welding Circular, 90° Angle Welding

## Weldable Materials



## Application



## Technical parameters

| Specification/Model             | RPH1500                         | RPH2000                         | RPH3000                         | RPH4000                         |
|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| Dimensions Machine Body         | 2800mm X 2250mm X 1250mm        | 3300mm X 2250mm X 1250mm        | 4300mm X 2550mm X 1250mm        | 5300mm X 2550mm X 1250mm        |
| Weldable Materials              | PVC, PE, PP, PVDF               | PVC, PE, PP, PVDF               | PVC, PE, PP, PVDF               | PVC, PE, PP, PVDF               |
| Max Working Length              | 1500mm                          | 2000mm                          | 3000mm                          | 4000mm                          |
| Sheet Thickness                 | 3-20mm                          | 3-25mm                          | 3-25mm                          | 3-30mm                          |
| Min Cylinder Diameter           | 280mm                           | 350mm                           | 350mm                           | 500mm                           |
| Pressure Setting Method         | Digital                         | Digital                         | Digital                         | Digital                         |
| Pressure Controller             | SMC Electric Proportional Valve | SMC Electric Proportional Valve | SMC Electric Proportional Valve | SMC Electric Proportional Valve |
| Alarming                        | Buzzing                         | Buzzing                         | Buzzing                         | Buzzing                         |
| Power Consumption               | 3KW                             | 4KW                             | 6KW                             | 9KW                             |
| Power Supply                    | 3KW                             | 4KW                             | 6KW                             | 9KW                             |
| Compressed Air Connection (bar) | 6-8 kg/cm²                      | 6-8 kg/cm²                      | 6-8 kg/cm²                      | 6-8 kg/cm²                      |
| Motor Of Cylinder               | 2.2KW                           | 2.2KW                           | 4.4KW                           | 4.4KW                           |
| Sheet Locking Clamps            | Pneumatic                       | Pneumatic                       | Pneumatic                       | Pneumatic                       |
| Welding System                  | CNC                             | CNC                             | CNC                             | CNC                             |
| Display                         | 7inch                           | 7inch                           | 7inch                           | 7inch                           |
| Hardware Control Panel          | PLC                             | PLC                             | PLC                             | PLC                             |
| Heating Plate Teflon Coated     | 1700mm X 60mm X 20mm            | 2200mm X 60mm X 20mm            | 3200mm X 60mm X 20mm            | 4200mm X 60mm X 20mm            |

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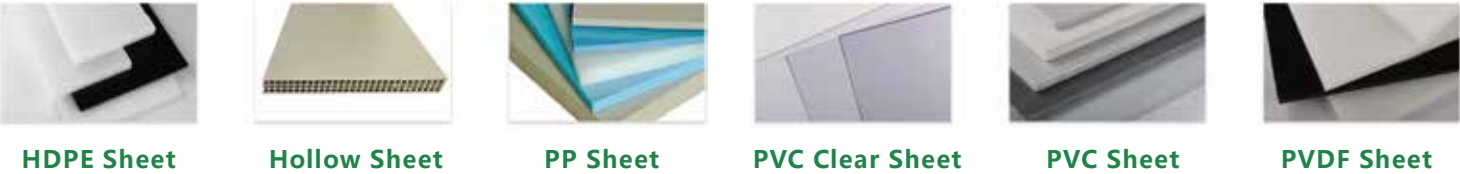
## Product Description

**Features:**  
Solid machine base as a steel structure, Process forces regulated via SMC proportional valve, Compliant with welding standards DVS 2207  
Weldable materials: sheet PVC, PE, PP, PVDF, ABS; twin walls PE and PP.  
Welding range 3.0 - 50 mm; solid wall; max 80 mm twin walls.

**Optional Auxiliary Tool:**  
90 degree angle device, clamp for rolling, foot pedal

**Function:**  
Welding Line, Welding Circular, 90° Angle Welding

## Weldable Materials



## Application



## Technical parameters

| Specification/Model             | RPH4500                         | RPH5000                         | RPH6000                         | RPH7000                         |
|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| Dimensions Machine Body         | 5800mm X 2550mm X 1250mm        | 6300mm X 2550mm X 1250mm        | 7300mm X 2550mm X 1250mm        | 8300mm X 2550mm X 1250mm        |
| Weldable Materials              | PVC, PE, PP, PVDF               | PVC, PE, PP, PVDF               | PVC, PE, PP, PVDF               | PVC, PE, PP, PVDF               |
| Max Working Length              | 4500mm                          | 5000mm                          | 6000mm                          | 6000mm                          |
| Sheet Thickness                 | 3-30mm                          | 3-30mm                          | 3-30mm                          | 3-50mm                          |
| Min Cylinder Diameter           | 500mm                           | 550mm                           | 600mm                           | 700mm                           |
| Pressure Setting Method         | Digital                         | Digital                         | Digital                         | Digital                         |
| Pressure Controller             | SMC Electric Proportional Valve | SMC Electric Proportional Valve | SMC Electric Proportional Valve | SMC Electric Proportional Valve |
| Alarming                        | Buzzing                         | Buzzing                         | Buzzing                         | Buzzing                         |
| Power Consumption               | 9KW                             | 9KW                             | 12KW                            | 12KW                            |
| Power Supply                    | 380V/415V 3P 50/60Hz            | 380V/415V 3P 50/61Hz            | 380V/415V 3P 50/62Hz            | 380V/415V 3P 50/63Hz            |
| Compressed Air Connection (bar) | 6-8 kg/cm²                      | 6-8 kg/cm²                      | 6-8 kg/cm²                      | 6-8 kg/cm²                      |
| Motor Of Cylinder               | 2.2KW                           | 2.2KW                           | 4.4KW                           | 4.4KW                           |
| Sheet Locking Clamps            | Pneumatic                       | Pneumatic                       | Pneumatic                       | Pneumatic                       |
| Welding System                  | CNC                             | CNC                             | CNC                             | CNC                             |
| Display                         | 7inch                           | 7inch                           | 7inch                           | 7inch                           |
| Hardware Control Panel          | PLC                             | PLC                             | PLC                             | PLC                             |
| Heating Plate Teflon Coated     | 4700mm X 60mm X 20mm            | 5200mm X 60mm X 20mm            | 6200mm X 60mm X 20mm            | 6200mm X 60mm X 20mm            |

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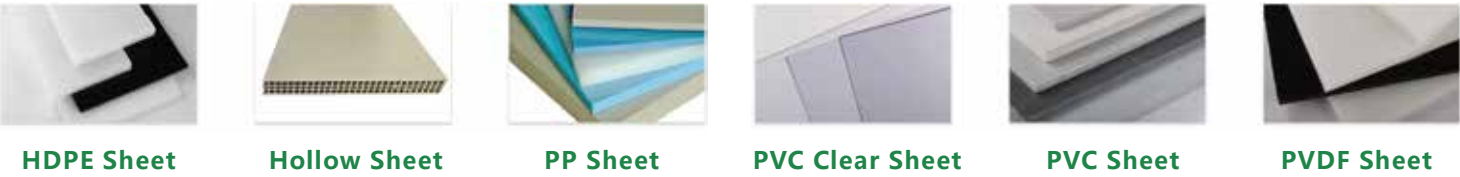


## Product Description

**Features:**  
Solid machine base as a steel structure, Process forces regulated via SMC proportional valve, Compliant with welding standards DVS 2207  
Weldable materials: sheet PVC, PE, PP, PVDF, ABS.  
Welding range 3 - 30 mm; solid wall; Bending Thickness: 3 - 25mm.

**Function:**  
Welding Line, Welding Circular, 0-95° Bending Angle

## Weldable Materials



## Application



## Technical parameters

| Specification/Model                                             | RPZ1500                         | RPZ2000                         | RPZ3000                         | RPZ4000                         |
|-----------------------------------------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| Dimensions Machine Body                                         | 2800mm X 2250mm X 1250mm        | 3300mm X 2250mm X 1250mm        | 4300mm X 2550mm X 1250mm        | 5300mm X 2550mm X 1250mm        |
| Weldable Materials                                              | PVC, PE, PP, PVDF               | PVC, PE, PP, PVDF               | PVC, PE, PP, PVDF               | PVC, PE, PP, PVDF               |
| Max. Working Length                                             | 1500mm                          | 2000mm                          | 3000mm                          | 4000mm                          |
| Sheet Thickness                                                 | 3-20mm                          | 3-25mm                          | 3-25mm                          | 3-30mm                          |
| Min. Cylinder Diameter                                          | 280mm                           | 350mm                           | 350mm                           | 500mm                           |
| Pressure Setting Method                                         | Digital                         | Digital                         | Digital                         | Digital                         |
| Pressure Controller                                             | SMC Electric Proportional Valve | SMC Electric Proportional Valve | SMC Electric Proportional Valve | SMC Electric Proportional Valve |
| Bending Length                                                  | 1500mm                          | 2000mm                          | 3000mm                          | 4000mm                          |
| Bending Thickness                                               | 3-15mm                          | 3-20mm                          | 3-25mm                          | 3-25mm                          |
| Bending Angle                                                   | 0-95° Adjustable                | 0-95° Adjustable                | 0-95° Adjustable                | 0-95° Adjustable                |
| Alarming                                                        | Buzzing                         | Buzzing                         | Buzzing                         | Buzzing                         |
| Power Consumption                                               | 3KW                             | 4KW                             | 6KW                             | 9KW                             |
| Power Supply                                                    | 380V/415V 3P 50/60Hz            | 380V/415V 3P 50/60Hz            | 380V/415V 3P 50/60Hz            | 380V/415V 3P 50/60Hz            |
| Compressed Air Connection (bar)                                 | 6-8 kg/cm²                      | 6-8 kg/cm²                      | 6-8 kg/cm²                      | 6-8 kg/cm²                      |
| Motor Of Cylinder                                               | 2.2KW                           | 2.2KW                           | 4.4KW                           | 4.4KW                           |
| Sheet Locking Clamps                                            | Pneumatic                       | Pneumatic                       | Pneumatic                       | Pneumatic                       |
| Welding System                                                  | CNC                             | CNC                             | CNC                             | CNC                             |
| Display                                                         | 7inch                           | 7inch                           | 7inch                           | 7inch                           |
| Hardware Control Panel                                          | SIEMENS PLC                     | SIEMENS PLC                     | SIEMENS PLC                     | SIEMENS PLC                     |
| Heating Plate Teflon coated                                     | 1700mm X 60mm X 20mm            | 2200mm X 60mm X 20mm            | 3200mm X 60mm X 20mm            | 4200mm X 60mm X 20mm            |
| Upper heating Element Teflon Coated, Tmax= 260 °C (W x H in mm) | 1700mm x 52mm x 45mm "V" Shape  | 2200mm x 52mm x 45mm "V" Shape  | 3200mm x 52mm x 45mm "V" Shape  | 4200mm x 52mm x 45mm "V" Shape  |
| Lower Heating Element Teflon Coated, Tmax= 260 °C (W x H in mm) | 1700mm x 45mm x 35mm Flat       | 2200mm x 45mm x 35mm Flat       | 3200mm x 45mm x 35mm Flat       | 4200mm x 45mm x 35mm Flat       |

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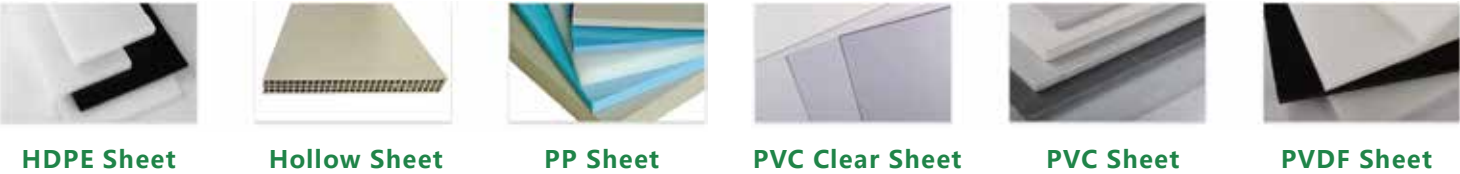
**Features:**

Solid machine base as a steel structure, Process forces regulated via SMC proportional valve, Compliant with welding standards DVS 2207  
Weldable materials: sheet PVC, PE, PP, PVDF, ABS.  
Welding range 3 - 30 mm; solid wall; Bending Thickness: 3 - 25mm.

**Function:**

Welding Line, Welding Circular, 0-95° Bending Angle

## Weldable Materials



## Application



## Technical parameters

| Specification/Model                                             | RPZ4500                         | RPZ5000                         | RPZ6000                         |
|-----------------------------------------------------------------|---------------------------------|---------------------------------|---------------------------------|
| Dimensions Machine Body                                         | 5800mm X 2550mm X 1250mm        | 6300mm X 2550mm X 1250mm        | 7300mm X 2550mm X 1250mm        |
| Weldable Materials                                              | PVC, PE, PP, PVDF               | PVC, PE, PP, PVDF               | PVC, PE, PP, PVDF               |
| Max. Working Length                                             | 4500mm                          | 5000mm                          | 6000mm                          |
| Sheet Thickness                                                 | 3-30mm                          | 3-30mm                          | 3-30mm                          |
| Min. Cylinder Diameter                                          | 500mm                           | 550mm                           | 600mm                           |
| Pressure Setting Method                                         | Digital                         | Digital                         | Digital                         |
| Pressure Controller                                             | SMC Electric Proportional Valve | SMC Electric Proportional Valve | SMC Electric Proportional Valve |
| Bending Length                                                  | 4500mm                          | 5000mm                          | 6000mm                          |
| Bending Thickness                                               | 3-25mm                          | 3-30mm                          | 3-30mm                          |
| Bending Angle                                                   | 0-95° Adjustable                | 0-95° Adjustable                | 0-95° Adjustable                |
| Alarming                                                        | Buzzing                         | Buzzing                         | Buzzing                         |
| Power Consumption                                               | 9KW                             | 10KW                            | 12KW                            |
| Power Supply                                                    | 380V/415V 3P 50/60Hz            | 380V/415V 3P 50/60Hz            | 380V/415V 3P 50/60Hz            |
| Compressed Air Connection (bar)                                 | 6-8 kg/cm²                      | 6-8 kg/cm²                      | 6-8 kg/cm²                      |
| Motor Of Cylinder                                               | 4.4KW                           | 4.4KW                           | 4.4KW                           |
| Sheet Locking Clamps                                            | Pneumatic                       | Pneumatic                       | Pneumatic                       |
| Welding System                                                  | CNC                             | CNC                             | CNC                             |
| Display                                                         | 7inch                           | 7inch                           | 7inch                           |
| Hardware Control Panel                                          | SIEMENS PLC                     | SIEMENS PLC                     | SIEMENS PLC                     |
| Heating Plate Teflon coated                                     | 4700mm X 60mm X 20mm            | 5200mm X 60mm X 20mm            | 6200mm X 60mm X 20mm            |
| Upper Heating Element Teflon Coated, Tmax= 260 °C (W x H in mm) | 4700mm x 52mm x 45mm "V" Shape  | 5200mm x 52mm x 45mm "V" Shape  | 6200mm x 52mm x 45mm "V" Shape  |
| Lower heating Element Teflon Coated, Tmax= 260 °C (W x H in mm) | 4700mm x 45mm x 35mm Flat       | 5200mm x 45mm x 35mm Flat       | 6200mm x 45mm x 35mm Flat       |

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## Product Description

**Features:**

Solid machine base as a steel structure, Process forces regulated via SMC proportional valve, Compliant with welding standards DVS 2207  
Weldable materials: sheet PVC, PE, PP, PVDF, ABS; twin walls PE and PP.  
Bending Thickness: 3 - 20mm.

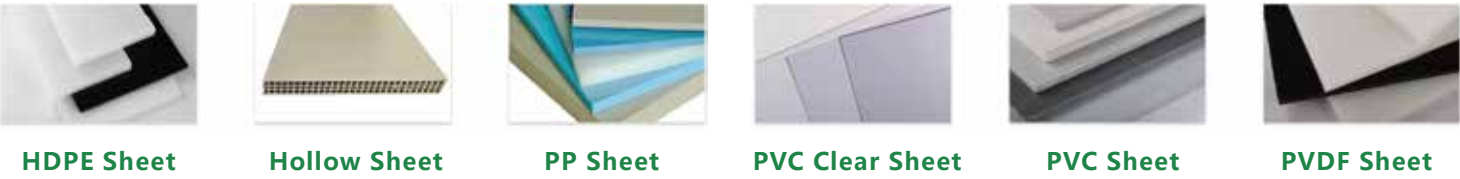
**Optional Auxiliary Tool:**

90 degree angle device, clamp for rolling, foot pedal

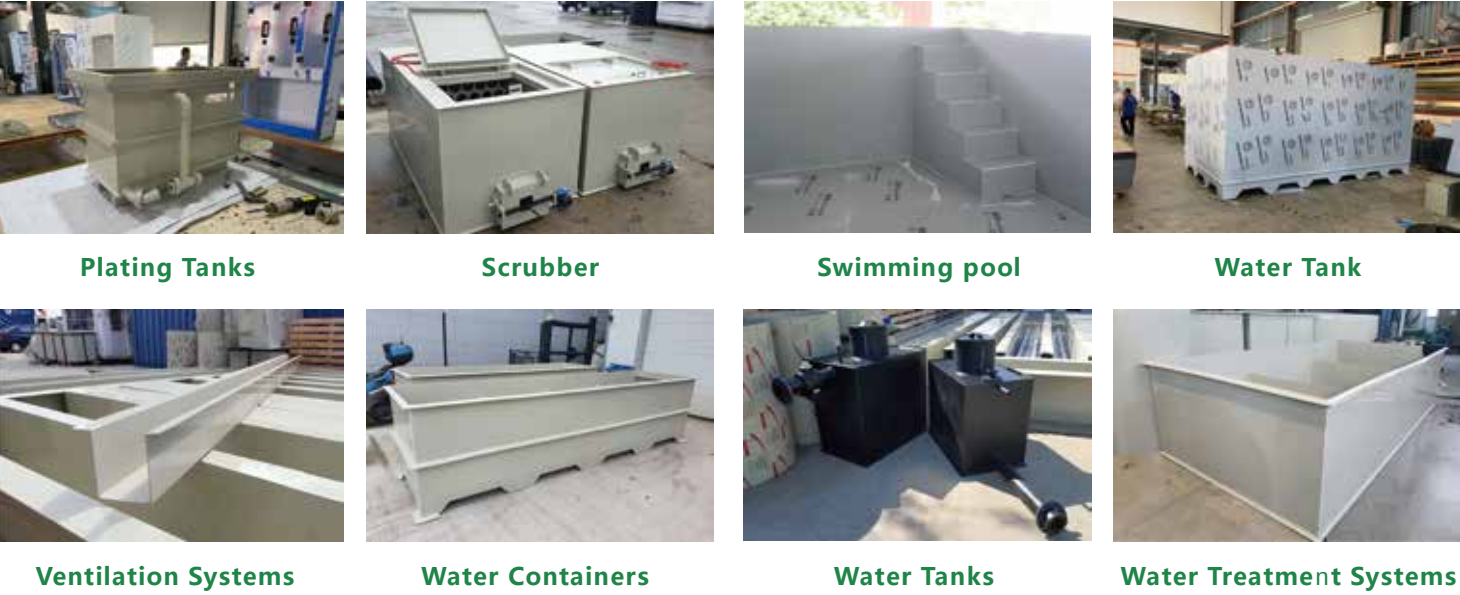
**Function:**

Welding Line, Welding Circular, 0-95° Bending Angle

## Weldable Materials



## Application



## Technical Parameters

| Specification/Model                                             | RZW1500                        | RZW2000                        | RZW3000                        | RZW4000                        |
|-----------------------------------------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| Dimensions Machine Body                                         | 2500mm x 2100mm x 1750mm       | 3000mm x 2100mm x 1750mm       | 4000mm x 2100mm x 1750mm       | 5000mm x 2100mm x 1750mm       |
| Bending Length                                                  | 1500mm                         | 2000mm                         | 3000mm                         | 4000mm                         |
| Bending Thickness                                               | 3-12mm                         | 3-15mm                         | 3-20mm, PVC* 3-15mm            | 3-20mm, PVC* 3-15mm            |
| Weldable Materials                                              | PVC, PE, PP, PVDF              | PVC, PE, PP, PVDF              | PVC, PE, PP, PVDF              | PVC, PE, PP, PVDF              |
| Power Consumption (KW)                                          | 3KW                            | 4KW                            | 6KW                            | 8KW                            |
| Bending Angle                                                   | 0-95° Adjustable               | 0-95° Adjustable               | 0-95° Adjustable               | 0-95° Adjustable               |
| Timing                                                          | Yes                            | Yes                            | Yes                            | Yes                            |
| Alarming                                                        | Buzzing                        | Buzzing                        | Buzzing                        | Buzzing                        |
| Sheet Locking Clamps                                            | Pneumatic                      | Pneumatic                      | Pneumatic                      | Pneumatic                      |
| Welding System                                                  | CNC                            | CNC                            | CNC                            | CNC                            |
| Power Supply                                                    | 380V/415V 3P 50/60Hz           | 380V/415V 3P 50/61Hz           | 380V/415V 3P 50/62Hz           | 380V/415V 3P 50/63Hz           |
| Compressed Air Connection (bar)                                 | 6-8 kg/cm²                     | 6-8 kg/cm²                     | 6-8 kg/cm²                     | 6-8 kg/cm²                     |
| Display                                                         | 7inch                          | 7inch                          | 7inch                          | 7inch                          |
| Hardware Control Panel                                          | PLC                            | PLC                            | PLC                            | PLC                            |
| Upper Heating Element Teflon Coated, Tmax= 260 °C (W x H in mm) | 1700mm x 52mm x 45mm "V" Shape | 2200mm x 52mm x 45mm "V" Shape | 3200mm x 52mm x 45mm "V" Shape | 4200mm x 52mm x 45mm "V" Shape |
| Lower Heating Element Teflon Coated, Tmax= 260 °C (W x H in mm) | 1700mm x 45mm x 35mm Flat      | 2200mm x 45mm x 35mm Flat      | 3200mm x 45mm x 35mm Flat      | 4200mm x 45mm x 35mm Flat      |

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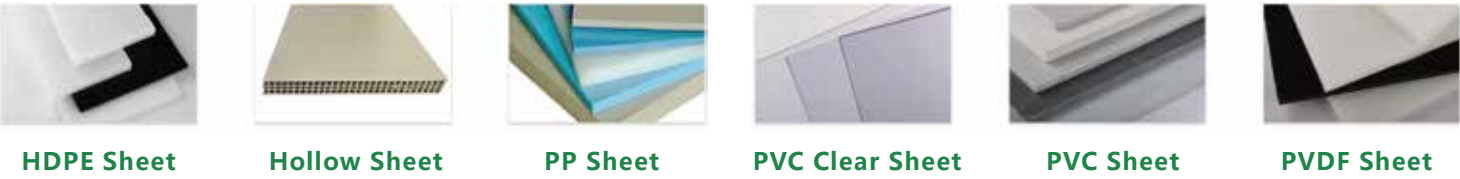
## Product Description

**Features:**  
Solid machine base as a steel structure, Process forces regulated via SMC proportional valve, Compliant with welding standards DVS 2207  
Weldable materials: sheet PVC, PE, PP, PVDF, ABS; twin walls PE and PP.  
Bending Thickness: 3 - 30mm.

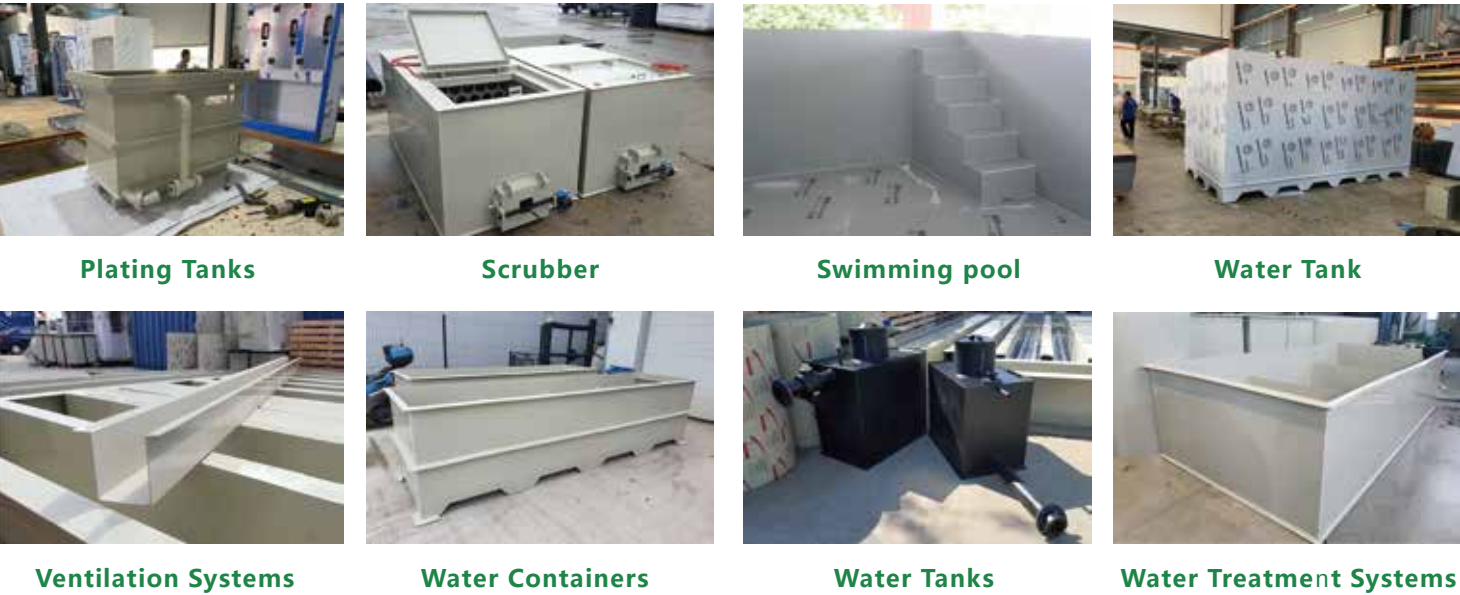
**Optional Auxiliary Tool:**  
90 degree angle device, clamp for rolling, foot pedal

**Function:**  
Welding Line, Welding Circular, 0-95° Bending Angle

## Weldable Materials



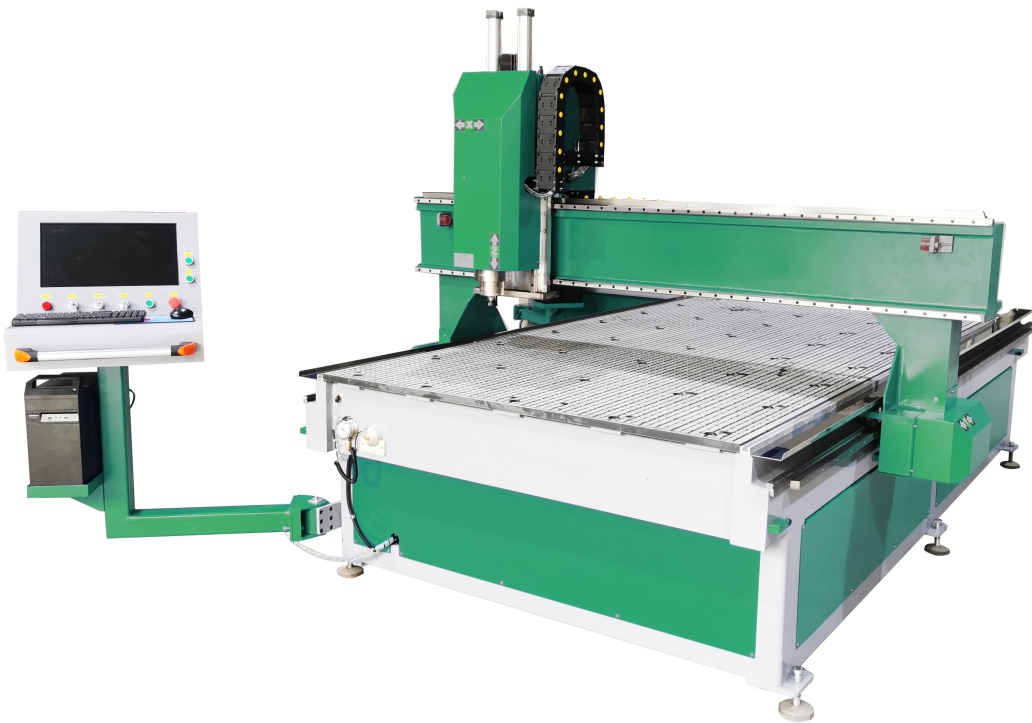
## Application



## Technical parameters

| Specification/Model                                             | RZW4500                        | RZW5000                        | RZW6000                        | RZW7000                        |
|-----------------------------------------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| Dimensions Machine Body                                         | 5500mm × 2100mm × 17500mm      | 6000mm X 2100mm X 1200mm       | 8000mm x 2100mm x 1750mm       | 9000mm x 2100mm x 1750mm       |
| Bending Length                                                  | 4500mm                         | 5000mm                         | 6000mm                         | 7000mm                         |
| Bending Thickness                                               | 3-20mm, PVC* 3-15mm            | 3-20mm, PVC* 3-15mm            | 3-20mm, PVC* 3-15mm            | 3-30mm                         |
| Weldable Materials                                              | PVC, PE, PP, PVDF              | PVC, PE, PP, PVDF              | PVC, PE, PP, PVDF              | PVC, PE, PP, PVDF              |
| Power Consumption (KW)                                          | 9KW                            | 12KW                           | 12KW                           | 14W                            |
| Bending Angle                                                   | 0-95° Adjustable               | 0-95° Adjustable               | 0-95° Adjustable               | 0-95° Adjustable               |
| Timing                                                          | Yes                            | Yes                            | Yes                            | Yes                            |
| Alarming                                                        | Buzzing                        | Buzzing                        | Buzzing                        | Buzzing                        |
| Sheet Locking Clamps                                            | Pneumatic                      | Pneumatic                      | Pneumatic                      | Pneumatic                      |
| Welding System                                                  | CNC                            | CNC                            | CNC                            | CNC                            |
| Power Supply                                                    | 380V/415V 3P 50/60Hz           | 380V/415V 3P 50/61Hz           | 380V/415V 3P 50/62Hz           | 380V/415V 3P 50/63Hz           |
| Compressed Air Connection (bar)                                 | 6-8 kg/cm <sup>2</sup>         | 6-8 kg/cm <sup>2</sup>         | 6-8 kg/cm <sup>2</sup>         | 6-8 kg/cm <sup>2</sup>         |
| Display                                                         | 7inch                          | 7inch                          | 7inch                          | 7inch                          |
| Hardware Control Panel                                          | PLC                            | PLC                            | PLC                            | PLC                            |
| Upper Heating Element Teflon Coated, Tmax= 260 °C (W x H in mm) | 4700mm x 52mm x 45mm "V" Shape | 5200mm x 52mm x 45mm "V" Shape | 6200mm x 52mm x 45mm "V" Shape | 7200mm x 52mm x 45mm "V" Shape |
| Lower Heating Element Teflon Coated, Tmax= 260 °C (W x H in mm) | 4700mm x 45mm x 35mm Flat      | 5200mm x 45mm x 35mm Flat      | 6200mm x 45mm x 35mm Flat      | 7200mm x 45mm x 35mm Flat      |

ENGRAVING MACHINE



Technical parameters

| Model                         | RYF1530                      | RYF2040                      |
|-------------------------------|------------------------------|------------------------------|
| Working Area                  | 1500mm * 3000mm              | 2000mm * 4000mm              |
| Y,X Structure                 | Rack Drive                   | Rack Drive                   |
| Z Axis Structure              | Ball Screw                   | Ball Screw                   |
| Maching Accuracy              | ±0.03mm                      | ±0.03mm                      |
| Max Running Speed             | 30000mm/min                  | 30000mm/min                  |
| Max Engraving Speed           | 12000mm/min                  | 12000mm/min                  |
| Spindle Power(KW)             | 6.0KW                        | 6KW                          |
| Spindle Speed                 | 0-24000rpm                   | 0-24000rpm                   |
| Rated Voltage(V)              | AC220V, 50/60Hz              | AC220V, 50/60Hz              |
| Drive                         | High Precision Stepper Motor | High Precision Stepper Motor |
| Operating System              | NC-Studio                    | NC-Studio                    |
| Interface                     | USB                          | USB                          |
| Operating Environment         | 0-45°C                       | 0-45°C                       |
| External Dimensions (L*W*H)mm | 3100*1900*1500               | 3550mm * 2100mm * 1650mm     |
| Packing Dimensions (L*W*H)mm  | 3250*2050*1600               | 3700mm * 2250mm * 1750mm     |
| N.W KGS                       | 700KG                        | 1000KG                       |
| G.W KGS                       | 800KG                        | 1100KG                       |

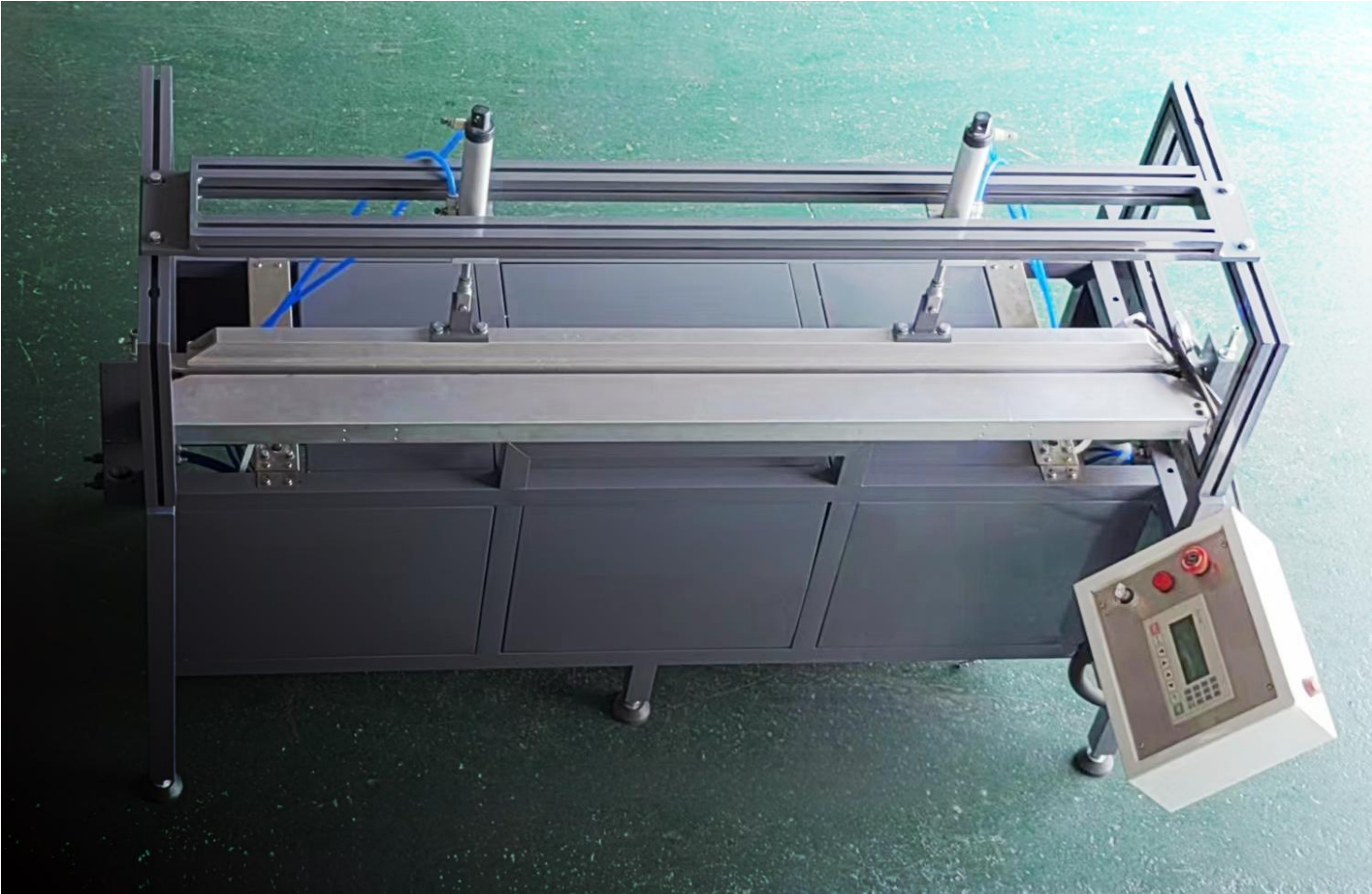
CUTTING MACHINE



Technical parameters

| Specification/Size           | RXL3000/RXL4000/RXL5000/RXL6000 |
|------------------------------|---------------------------------|
| Cutting Thickness(mm)        | 30mm                            |
| Max Cutting Length(mm)       | 3150mm                          |
| Rated Voltage(V)             | 380V, 50/60Hz                   |
| Rated Current(A)             | 10A                             |
| Main Motor Power(KW)         | 2.5KW                           |
| Max Opening Size(mm)         | 125mm                           |
| Saw Speed(m)                 | 3-36mm                          |
| Saw Return Speed(m)          | 36m                             |
| Saw Drive Power(KW)          | 0.75KW                          |
| Cutting Angle(°)             | 45°/90°(Optional)               |
| Dimensions(L*W*H)mm          | 3050mm * 3150mm * 1000mm        |
| Packing Dinmensions(L*W*H)mm | 3500mm * 1850mm * 1400mm        |
| N.W KGS                      | 750KG                           |
| G.W KGS                      | 850KG                           |

# ACRYLIC BENDING WELDING MACHINE



## Technical parameters

| Item/Model                      | RAB1200                | RAB1500        | RAB1800        | RAB2500        |
|---------------------------------|------------------------|----------------|----------------|----------------|
| Bending Length:                 | 1200mm                 | 1500mm         | 1800mm         | 2500mm         |
| Bending Thickness:              | 0.5-8mm                | 0.5-8mm        | 0.5-8mm        | 0.5-8mm        |
| Bending Angle:                  | 0-90                   | 0-90           | 0-90           | 0-90           |
| Power supply:                   | 380/415V               | 380/415V       | 380/415V       | 380/415V       |
| Compressed air connection (bar) | 5-8kg /cm²             | 5-8kg /cm²     | 5-8kg /cm²     | 5-8kg /cm²     |
| Power consumption (kW):         | 1.5KW                  | 1.5KW          | 2KW            | 3KW            |
| Material                        | Acrylic,PC,ABS,PVC,etc |                |                |                |
| Machine Size                    | 1720X650X820mm         | 2020X650X820mm | 2320X750X820mm | 3000X750X850mm |