

HEAVY DUTY

# POLYURETHANE FOAM SPRAY AND INJECTION

**BITLER Polyurethane Foam Spray and Injection** ensure accurate mixing and application, optimizing the performance and effectiveness of the polyurethane foam in various construction and maintenance tasks.



EASY MAINTENANCE

[www.indotara.co.id](http://www.indotara.co.id)

HIGH PERFORMANCE



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## Polyurea Spray Machine

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# POLYURETHANE FOAM SPRAY MACHINE

**BITLER Polyurethane Foam Spray Machine** is specialized equipment used to mix and spray polyurethane foam. This foam is commonly used for insulation and sealing in construction and various industrial applications.



TYPE

**BPFS SERIES**

**HIGH  
QUALITY**



**TYPE**  
**BPFS-R**

**REMOTE CONTROL  
POLYURETHANE FOAM  
SPRAY MACHINE**



**Product Features :**

1. Stable cylinder supercharged unit, easily providing adequate working pressure.
2. Small volume, light weight, low failure rate, simple operation, easy mobility.
3. Adopting the most advanced ventilation method, guarantee equipment working stability to the maximum.
4. Minimizing spraying congestion with 4-layers-feedstock device.
5. Multi-leakage protection system to protect the safety of the operator.
6. Equipped with emergency switch system, help operator deal with emergencies rapidly.
7. Digital counting system can understand original consumption timely.
8. Reliable & powerful 380V or 220V heating system enables rapid warming of raw materials to the best state, making sure it works great in cold condition.
9. Humanized design with equipment operation panel, super easy to get the hang of it.
10. Feed pump adopts big change ratio method, it can easily feed raw materials high viscosity even in winter.

**Specification of BPFS-R**

<b>Power Source</b>	110V/220V/380V
<b>Heating Power</b>	7.5KW
<b>Driven Mode</b>	Pneumatic
<b>Raw Output</b>	2-12kg/Min
<b>Maximum Working Pressure</b>	11MPa
<b>A And B Chemical Output Ratio</b>	1:1
<b>Max Hose Support</b>	90 Meters
<b>Machine Size</b>	750×540×1120mm
<b>Machine Weight</b>	139kg





**TYPE**

# BPFS-E3

## PNEUMATIC POLYURETHANE FOAM SPRAY MACHINE



Fast Heating



Easy to Install



Wear Resistance Parts



Easy to Maintenance

### Product Features :



#### Heated Hose Working Voltage <36V

The heated hose voltage is lower than the human bodysafety voltage 36V, the operation safety is more higher.



#### Real-Time Monitoring Voltage and Current

Add Voltmeter and Ammeter, so the voltage and current conditions inside the machine can be detected every time.



## #More Advanced Technology!

### BITLER PNEUMATIC Polyurethane Spray Foam Machine BPFS-E3

Adopt some technologies from Poly-craft USA brand, heated hose and spray guns can be used on Graco machines and E3 spray machine.



**HUMANIZED OPERATION PANEL**

One-button operation and digital display counting system, easy to master the operation method



**LARGE POWER CYLINDER**

The big size cylinder makes the spraying more powerful and the atomization effect better.



**Specification of BPFS-E3**

<b>Power Source</b>	110V/220V/380V
<b>Heating Power</b>	7.5KW
<b>Driven Mode</b>	Pneumatic
<b>Raw Output</b>	2-12kg/min
<b>Maximum Working Pressure</b>	11MPa
<b>A And B Chemical Output Ratio</b>	1:1
<b>Max Hose Support</b>	90 Meters
<b>Machine Size</b>	750×540×1120mm
<b>Machine Weight</b>	139kg



**TYPE**

# BPFS-65

**ECONOMIC PNEUMATIC  
POLYURETHANE FOAM  
SPRAY MACHINE**



High Efficient



Easy to Install



Excellent  
Performance



Easy to  
Maintenance

## Product Detail :



**Bitler** Economic Pneumatic Polyurethane Spray Foam Machine **BPFS-65** is a cost-effective device used for applying polyurethane foam insulation. It operates using compressed air to mix and spray the foam components, ensuring efficient and uniform application.

### Specification of BPFS-65

Type	BPFS-65
Single Group The Most Flux	7.5 L/min
Pressure Exchanging Rate	65:1
Compress Air	0.3-0.6 MPa
Stroke	100mm
Weight Of The Whole Machine	54 Kg
Mixing Ratio	1:1



TYPE

# BPFS-300

HYDRAULIC TYPE POLYURETHANE  
FOAM SPRAY MACHINE



## Product Features :

BITLER Hydraulic BPFS-300 Polyurethane Spray Foam Machine makes the polyurethane fogging well, more shapely.

### Specification of BPFS-300

Power Source	230V 3 Phase 400V 3 Phase 50/60HZ
Whole Power	15 KW
Heater Power	6 KW Each Side
Heating Hose Power	1000W / 15 Meters
Driven Mode	Hydraulic
Air Source	0.5-0.8 MPa $\geq$ 0.25m <sup>3</sup> /Min

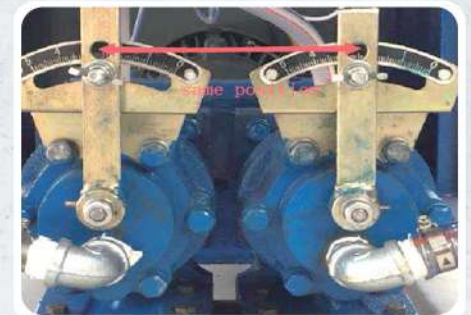
Chemical Output	2-24kg/Min
Maximum Output Pressure	17 MPa
A And B Chemical Output Ratio	1:1
Max Hose Support	120 Meters
Machine Size	870 × 700 × 1150mm
Machine Weight	250 Kg



**TYPE**

# BPFS-600

LOW PRESSURE FOAM SPARY MACHINE



**Product Detail :**

### Specification of BPFS-600

Power Source	3-Phase 4-Wires 380V 50HZ/220V -Single Phase 50hz
Heating Power	1.5 KW
Driven Mode	Pneumatic
Air Source	0.5~0.8 MPa ≥ 0.9m3/Min
Raw Output	0.5-9 Kg/Min
Hose	8 Meters
Ab Material Output Ratio	1:3~3:1
Machine Size	1000 × 750 × 1100mm
Machine Weight	130kg



**TYPE**  
**BPFS-09**

FOAM SPRAY KITS



High Efficient



Easy to Install



Excellent Performance

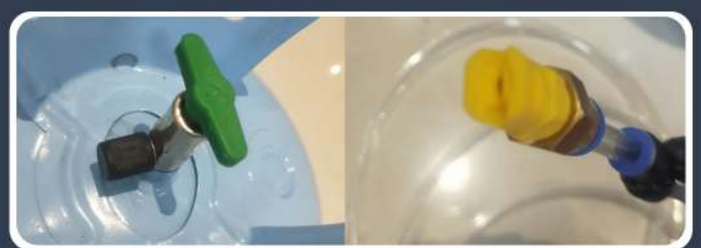


Easy to Maintenance

**Product Detail :**

**Specification of BPFS-09**

Appearance	Light Yellow (Foam After Curing)
Weight	A9kg, B9kg
Non-Stick Time	8s
Foam Density	28kg/M3
Thermal Conductivity	0.026 W/(M.K)
Foaming Volume	0.4 M3
Compressive Strength	0.18MPa
Closed Cell Ratio	95%
Shelf Life	6month



**TYPE**

# BPFS-E8P

**ELECTRIC DRIVEN  
POLYURETHANE FOAM  
SPRAY MACHINE**



## Product Advantages :

Best choice for portability and high-quality foam. Haul it in your van or pickup truck, Easy to move up and down stairs. Telescoping handle and wheels makes it easy to maneuver at the job site. Home electric plug, Weighs just 40kg. Easy to read pressure gauges ensure you're spraying on-ratio and delivering high-quality foam. An economical alternative to froth kits.

### Specification of BPFS-E8P

<b>Power Source</b>	230V/110V Single Phase 50/60hz
<b>Whole Power</b>	4 KW
<b>Heater Power</b>	1 KW Each Side
<b>Driven Mode</b>	Electric
<b>Air Source</b>	1KW Air Compressor or Less

<b>Chemical Output</b>	4-6kg/Min
<b>Maximum Output Pressure</b>	13.8 MPa
<b>A And B Chemical Output Ratio</b>	1:1
<b>Max Hose Support</b>	15 Meters
<b>Machine Size</b>	870 × 700 × 1150mm
<b>Weight</b>	40kg



**TYPE**

# BPFS-E10HP

**ELECTRIC DRIVEN  
POLYURETHANE FOAM  
SPRAY MACHINE**



**High Efficient**



**Easy to Install**



**Excellent  
Performance**



**Easy to  
Maintenance**

## Product Features :

Small size is ideal for on-site portability and hard-to-reach areas, One-person operation saves time and money.

Versatile - switch from cold spray to hot spray to foam, Saves 30% on material costs compared to disposable foam systems.

Intuitive start, stop and digital temperature display with single knob operation.

Pressure balance valves give you quick and easy balancing of system pressures.

### Specification of BPFS-E10HP

<b>Power Source</b>	230V/110V Single Phase, 230V /400V 3 Phase, 50/60HZ
<b>Whole Power</b>	10 KW
<b>Heater Power</b>	4.5KW Each Side
<b>Driven Mode</b>	Electric
<b>Air Source</b>	1KW Air Compressor or Less
<b>Chemical Output</b>	2-12kg/min

<b>Maximum Output Pressure</b>	13.8 MPa
<b>A And B Chemical Output Ratio</b>	1:1
<b>Max Hose Support</b>	15 Meters
<b>Machine Size</b>	730 × 653 × 1170mm
<b>Weight</b>	180kg
<b>Drum Size</b>	30L Each

HEAVY DUTY

# POLYURETHANE CYCLOPENTANE INJECTION MACHINE

BITLER Polyurethane / Cyclopentane Injection Machine is specialized equipment used in the production of polyurethane foam using cyclopentane as a blowing agent.



TYPE

**BPI SERIES**

**HIGH  
QUALITY**



**TYPE**

**BPI-D**

**POLYURETHANE  
INJECTION MACHINE**



**Primary  
Heating System**



**Proportioning  
Pumps**



**Recirculation  
System**



**Hose Heating  
System**

**Product Features :**

BPI-D portable PU foam injection machine is of an advanced and compact design. It is specially aimed at the applications of polyurethane foam in place. Its particular configuration facilities easy access to all its components, simplifies the control functions and significantly reduces the maintenance work.

BITLER Polyurethane Injection Machine BPI-D machine for solar water heaters, tank insulation, cabin, insulation board, security doors, refrigerators, pipes, road construction, packaging, it can accurate to 2ml per second.

**Specification of BPI-D**

<b>Power Source</b>	230V/110V Single Phase 50/60HZ
<b>Whole Power</b>	7.5 KW
<b>Heater Power</b>	3KW Each Side
<b>Driven Mode</b>	Pneumatic
<b>Air Source</b>	More Than 0.9cub M <sup>3</sup> /Min,8bar
<b>Chemical Output</b>	2-12kg/min

<b>Maximum Output Pressure</b>	13.8 MPa
<b>A And B Chemical Output Ratio</b>	1:1
<b>Max Hose Support</b>	15 Meters
<b>Machine Size</b>	870 × 700 × 1150mm
<b>Weight</b>	200kg



**TYPE**

**BPI-660**

**CONCRETE CRACK  
INJECTION HIGH  
PRESSURE GROUTING  
MACHINE**

**Product Features :**

**Specification of BPI-660**

<b>Power</b>	690W
<b>Weight/N</b>	13 kg
<b>Weight/G</b>	15 kg
<b>Max. Pressure</b>	10000psi
<b>Restart Pressure</b>	7500psi
<b>Use</b>	Grouting

**Application Places :**

Leakage block ing, strengthening and re inforcing for subway tunnel, culvert, structure hives, crack, second construction joint and so on.





**TYPE**

# BPI-990

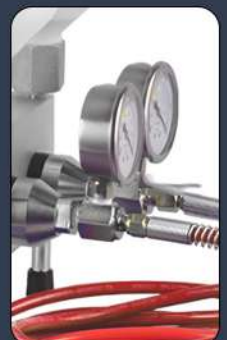
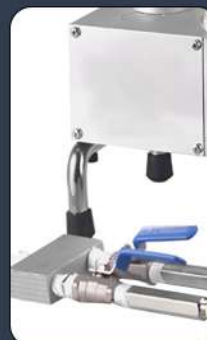
**CONCRETE CRACK  
INJECTION HIGH  
PRESSURE GROUTING  
MACHINE**



## Product Detail :

### Specification of BPI-990

<b>Power</b>	910W
<b>Weight/N</b>	13 kg
<b>Weight/G</b>	15 kg
<b>Max. Pressure</b>	13500psi
<b>Restart Pressure</b>	7500psi
<b>Use</b>	Grouting







**TYPE**

**BPI-100/200/300C**

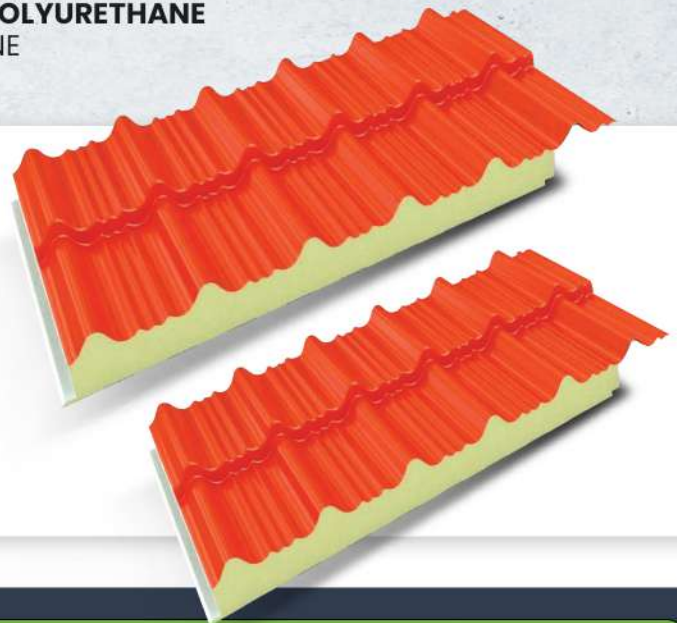
**BIG FLOW PANEL POLYURETHANE INJECTION MACHINE**

**EQUIPMENT APPLICATIONS:**

For making train cushion, auto-mobile motorcyclecushion and freezers, cold storage board insulation pipe, elbow insulation solar water and so on.

**FEATURES:**

Measurement is accurate, single unit measurement system, KK valve transit, the control panel can be edited, automatic walking, adjustable radio.



**Specification of BPI-100/200/300C**

Model	Power (KW)	Weight (KG)	Size (LxWxH) (mm)	Capacity Tank (L/Drum)	Rotate Speed (R/Min)	Injection Precision (S)	Max Injection (G/S)	Ratio
BPI-100C	32	1500	2600*1400*2500	200	1460	0.01	1600	1:3-3:1
BPI-200C	47.5	2500	2900*1600*2400	320	1460	0.01	3600	1:3-3:1
BPI-300C	78.5	3000	3400*1900*3000	600	980	0.01	5000	1:3-3:1

TYPE

# BPI-20C

## MIDDLE SIZE PANEL POLYURETHANE INJECTION MACHINE



High Efficient



Easy to Install



Easy to Maintenance



Excellent Performance

### Product Detail :

#### Specification of BPI-20C

Power	18.4KW
Weight	200KG
Size(L*W*H)	1400*1300*1450mm
Capacity	50L
Rotate Speed	1500r/min
Injection Precision	0.01S
Max Injection	25kg/min
Ratio	1:3-3:1



**TYPE**

# BPI-CY100/150

## CYCLOPENTANE INJECTION MACHINE



### Product Detail :

### Specification of BPI-CY100/150

Model	Foam Type	Injection Speed	Injection Precision	Ratio	Injection Time	Cyclopentane	Isocyanate
BPI-CY100	Rigid	200-1500g/S	$\leq \pm 0.5\%$	3:1~1:3	0.5~99.99s	1500mpa.	1000mpa.S
BPI-CY150	Rigid	200-2500g/S	$\leq \pm 0.5\%$	3:1~1:3	0.5~99.99s	1500mpa.	1000mpa.S

HEAVY DUTY

# POLYUREA SPRAY MACHINE

**BITLER Polyurea Spray Machine** is specialized equipment used to apply polyurea coatings. Polyurea is known for its durability, flexibility, and fast curing properties, making it ideal for protective coatings in various industries, including construction, automotive, and marine.



TYPE

## BPUS SERIES

**HIGH  
QUALITY**



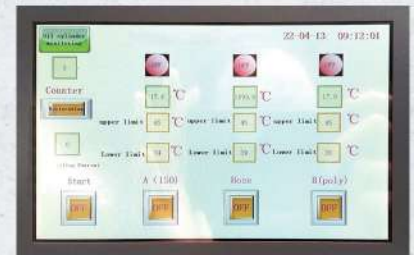
**TYPE**

# BPUS-H800

**HYDRAULIC POLYUREA  
SPRAY MACHINE**

### PLC Liquid Crystal Display

PLC liquid crystal display, showing working status from time to time



### Horizontally Pressurized

The booster pump is horizontally pressurized, booster faster and stable.

### Raw Material Output is Large Flow

The static and dynamic pressure difference is slight, the hydraulic station and the raw material pressure are designed with 1:1, the pressure is stable, and the raw material output is large flow.

### HIGH KINETIC ENERGY CONVERSION

Italy brand plunger pump and solenoid valve, high kinetic energy conversion and stable performance



**PLUNGER PUMP**



**SOLENOID VALVE**



### Specification of **BPUS-H800**

<b>Material Use</b>	Closed Cell and Open Cell 1:1 Ratio, Polyurea Waterproof Material 1:1
<b>Machine Power</b>	18KW In Total
<b>Max Pressure</b>	25MPA
<b>Power Source</b>	380V 50/60HZ
<b>Air Source</b>	No Less Than 10 Cfm,8 Bar
<b>Net Weight</b>	200kg
<b>Machine Size</b>	70*100*130cm
<b>HS</b>	8477800000
<b>Remark</b>	Standard Machine Include 15 Meters Heated Hose
<b>Max Support</b>	120 Meters Heated Hose

**TYPE**

# BPUS-H800-TS

**HYDRAULIC POLYUREA  
SPRAY MACHINE**



**Product Detail :**

### Specification of BPUS-H800-TS

Weight	258KG
Overall Dimension	1030*720*940 mm
Whole Power	16.5kw
Voltage	380V 4P 50/60HZ
Heating Power	6000W*2
Heating Hose Power	600W
Motor Power	3750w
Electricity Cable	6 <sup>2</sup> mm
Heating Temperature	0-70°C

A&B Chemical Output Ratio	1:1
Driving Method	Hydraulic Drive
Air Source Flow Rate	60L/Min
Air Source Pressure	0.5-0.8Mpa
Machine Spraying Pressure	9-18Mpa
Machine Spraying Flow	8-9L/Min
Machine Hydraulic Pressure	4-10Mpa
Hydraulic Oil Tank	70L



TYPE

# BPUS-500

## HYDRAULIC POLYUREA SPRAY MACHINE



### Product Features :

1. Work efficiency can reach 60% or more, far greater than the 20% efficiency of the pneumatic machine.
2. Hydraulic drive, less troubles.
3. Working pressure up to 25MPa, and very stable, large displacement per minute up to 24kg.
4. Machine soft start, The booster pump is equipped with an overpressure valve. When the pressure exceeds the set pressure, it will automatically release pressure and protect the machine.
5. Electrical components, testing components, Seals, all are all made in Germany, pumps made in Japan, solenoid valves made in Italy.
6. Only need 2.2kw air compressor to work together, reducing the overall working load.
7. Equip with 8-inch operating touch screen PLC, convenient to observe the working status of the machine in real time.







### Product Features :

#### Specification of BPUS-500

<b>Power Source</b>	230V 3 Phase ,400V 3 Phase 50/60HZ
<b>Whole Power</b>	17KW
<b>Heater Power</b>	6KW Each Side
<b>Heating Hose Power</b>	1000W/15meter
<b>Driven Mode</b>	Hydraulic

<b>Air Source</b>	0.5-0.8MPa ≥0.25m <sup>3</sup>
<b>Chemical Output</b>	2-24kg/Min
<b>Maximum Output Pressure</b>	25MPa
<b>A And B Chemical Output Ratio</b>	1:1
<b>Max Hose Support</b>	120 Meters
<b>Machine Size</b>	870×700×1150mm



TYPE

# BPUS-500L

HYDRAULIC POLYUREA  
SPRAY MACHINE



## Product Features :

- 1. Primary Heating System**  
The primary heating system consists of two separate independent block heaters with no seals.
- 2. Independent Hose Heating System**  
Designed with two 4000W isolation transformers, unit allows the individual heating of each component hose up to 150m.
- 3. Double Acting Piston Proportioning Pumps**  
Each pump is individually driven by a hydraulic cylinder to deliver the adequate volume of each component in order to achieve the desired mixing ratio.
- 4. Recirculation System**  
The Recirculation System allows to heat the products automatically, with no need to switch on the machine, reducing the time of preparation prior to start spraying.
- 5. Central Processing Unit (CPU)**  
The CPU's software processes and controls all application parameters entered on the screens assuring that any alteration that may occur will be corrected while the unit continues working.

**Emergency Button**



**Wheel**



**on/off switch**



**Warning Label**



**DOP (Diocetyl ester)**



**Fan**



**Product Detail :**

**Specification of BPUS-500L**

<b>Power Source</b>	230V 3 Phase ,400V 3 Phase 50/60HZ
<b>Whole Power</b>	18KW
<b>Heater Power</b>	6KW Each Side
<b>Heating Hose Power</b>	1000W/15meter
<b>Driven Mode</b>	Hydraulic

<b>Air Source</b>	0.5-0.8MPa ≥0.25m <sup>3</sup> /min
<b>Chemical Output</b>	2-24kg/Min
<b>Maximum Output Pressure</b>	35MPa
<b>A And B Chemical Output Ratio</b>	1:1
<b>Max Hose Support</b>	150 Meters
<b>Machine Size</b>	1000×750×1150mm
<b>Machine Weight</b>	310kg



**TYPE**

# BPUS-500 PRO

## HYDRAULIC POLYUREA SPRAY MACHINE



High Efficient



Easy to Install



Excellent  
Performance



Easy to  
Maintenance

### Product Features:

1. The control system using PLC programming, 7 inch touch screen display, high degree of intelligence, makes operation easier.
2. One button start/stop function: Click Auto Run to complete the heating of raw materials, start the hydraulic station, start the machine, and other tasks. After the working conditions are met, the machine will automatically run; Click Close, the machine stops heating, stops the hydraulic station, and automatically shuts down to the reset state.
3. Counting function, can automatically record the number of machine runs and timely understand the usage of raw materials.
4. Low temperature protection function: During the operation of the automatic running machine, when the temperature of the raw material cannot meet the working requirements, the machine temporarily stops running to avoid the occurrence of uneven mixing caused by the low temperature of the raw material.
5. Winter/Summer Heating Mode: Start with one button to heat different raw materials to a suitable temperature.
6. You can select different working modes for raw materials (polyurea spraying, polyurethane spraying, and all-water polyurethane spraying), and click to enter the corresponding working module.
7. Hydraulic drive, strong power, more stable pressure, low noise, high efficiency, and unaffected by seasons.
8. Equipped with emergency switch system, help operator deal with emergencies rapidly.
9. Leakage protection system can protect the operator's safety.
10. Quadruple raw material traction device can minimize the problem of spray blockage.
11. Reliable & powerful 380V heating system enables rapid warming of raw materials to the best state, making sure it performs well in cold condition.
12. Feeding pump adopts big change ratio method, it can easily feed raw materials high viscosity even in winter.
13. The latest spraying gun has great features like small volume, light weight, low failure rate, etc.
14. Humanized design with equipment operation panel, super easy to get the hang of it



### Product Features :

#### Specification of BPUS-500L PRO

Power	Three-Phase Three-Wire 380V 50Hz
Total Power	26KW
Heating Power	22KW
Driven Mode	Hydraulic

Hydraulic Pressure	6-18Mpa
Air Pressure	0.5-0.8mpa $\geq 0.5m^3/Min$
Material Output	3~12kg/Minute
Unilateral Pressure	36mpa
AB Material Ratio	1:1



TYPE

# BPUS-H700

HYDRAULIC POLYUREA  
SPRAY MACHINE



High Efficient



Easy to Install



Excellent  
Performance



Easy to  
Maintenance

## Product Features :

### Specification of BPUS-H700

Power Source	3-Phase 4-Wires 380V 50Hz
Working Power	20KW
Driven Mode	Hydraulic
Air Source	0.5~0.8 MPa ≥0.5m <sup>3</sup> /Min
Raw Output	3~10kg/Min
Maximum Output Pressure	30Mpa
AB Material Output Ratio	1:1
Machine Size	1160×970×1630mm
Machine Weight	310kg

1. Equipped with air cooling system to reduced oil temperature, hence offering protection for the motor and pump and save oil.
2. Hydraulic station works with booster pump, guaranteeing pressure stability for A and B material
3. The main frame is made from welded seamless steel tube with plastic-spray so it is more corrosion resistant and can bear with higher pressure.
4. Equipped with emergency switch system, help operator deal with emergencies rapidly.
5. Reliable & powerful 380V heating system enables rapid warming of raw materials to the best state, making sure it performs well in cold condition.





**TYPE**

# BPUS-E40

**ELECTRIC DRIVEN POLYUREA  
SPRAY MACHINE**



## Specification of BPUS-E40

Power Source	230V 3 Phase 400V 3 Phase 50/60HZ
Whole Power	12KW
Heater Power	3KW Each Side
Heating Hose Power	1000W/15meters
Driven Mode	Electric
Air Source	0.5-0.8MPa ≥0.1m <sup>3</sup>
Chemical Output	2-12Kg/Min
Maximum Output Pressure	23 MPa
A And B Chemical Output Ratio	1:1
Max Hose Support	90 Meters
Machine Size	804 × 842 × 1230mm
Machine Weight	280kg

## Product Features :

### BPUS-E40 Features :

Compact footprint - more room in your spray rig.  
Ergonomic design - easier to service.  
Advanced control modules.  
Better spraying performance compared to traditional air and hydraulic spray machine.  
Troubleshooting made quick

### Advanced Control Technology

Tracks, monitors and saves project data Stores up to 24 chemical recipes. Transmits real-time job activity you can view on PLC screen



**TYPE**

# BPUS-A25

POLYUREA SPRAY MACHINE



High Efficient



Easy to Install



Excellent Performance



Easy to Maintenance

**Product Features :**

**Specification of BPUS-A25**

Power Source	220V/380V
Heating Power	14KW
Driven Mode	Pneumatic
Raw Output	2-12kg/Min
Max. Working Pressure	25MPa
A And B Chemical Output Ratio	1:1
Max. Hose Support	120 Meters
Machine Size	750×540×1120mm
Machine Weight	150kg





# INDOTARA®

PT. INDOTARA PERSADA

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