



Prasanna Machines

IT'S ALL THE POWER U NEED



ZBG - S1050



**60 - 80 Bowls
/min**

High Speed Paper Bowl Machine with PLC

Our Profile

Prasanna Machines Started their voyage in the year 2011 via promoting Paper Cup Machines within Tamilnadu Province. In 2013 we started believing that our Nation has huge potential for Eco Friendly Single Use Paper Products. We Fashioned our Own Path & we left our foot Prints all over the Nation. Now we are one of the Leading Manufacturer of Paper Cup Making Machines with our Own Design & Fabrication. Visions & Objectives Motivated us towards Export Market. Finally, we extended our wings to fly all around the World with our Quality Product & Service. We have a good Presence all around India & we are Well-known for High Class Quality Products. We have done more than 2500+ Installation & we are able to achieve a Benchmark of 99% Satisfied Customers through a survey taken by our Sales Team. With our Ample Experience in this Industry, we are ready to serve our customers technically. We believe in a stand "Quality is remembered long after price is forgotten." Give us an Opportunity to Serve & Prasanna machines Mantra will be Remembered forever.

We Promote

Paper Cup Machine

Paper Straw Machine

Paper Bowl Machine

Ice Cream Cone Sleeve Making Machine

Die Cutting Machine

Flexo Printing Machine

Slitting Machine

Double Wall Paper Cup Machine

Rippled Wall Paper Cup Machine



ZBG-S1050 High Speed Paper Bowl Machine with PLC

ZBG-S1050 is the Newly Tossed Next Generation Paper Bowl Machine in the Year 2023. This Immaculate Bowl Machine can produce different sizes of paper Bowls with a series of continuous process which includes automatic paper feeding, Side sealing, Transferring Paper cone with Magical Fibre hand, Bottom Punching, Bottom Folding, Bottom Knurling, Top Curling & Bowl Discharging. The Complete Paper Bowl Making Process is Controlled by PLC which enhances the machine performance, safety and stability.

The Machine structure would be like double storey whereas the GF equipped with Hefty Cams & Shafts are preserved by an Automatic Lubrication system which will enhance the life span of machine by reducing the abrasion of machine parts. Stepper Motors Controlled by PLC will guide the Bottom Feeding on right track on Perfect timing without any wastage.



Size Range

300 ml to 1050 ml

Paper Specification

Single / Double Side PE / PLA /
Water Based Coated Paper

Material Thickness

200-350 gsm

Speed

60-80 Bowls/Min

Power Range

Three Phase 380 V

Total Power

9 KW

Air Pressure Requirements

0.6 MPa, 0.4-0.6 m3/min

Weight

3200 Kg

Machine Dimension

2450L*1500W*2100H mm

Robotic Collecting Table Dimension

1500L*450W*1350H mm

Highlights

Ultrasonic Side Sealing Unit

Rotary Motion Introduced for Paper Cone Pulling Unit

PLC With Touch Screen Control System

Dual Lubrication system

Robotic Bowl Collecting Unit

Hot Air Guns Utilized for Bottom Pasting

Gear Driven Mechanism instead of conventional chains

No Pneumatic Cylinders installed in machine. Air Requirement must be fulfilled by Air Compressor

Zero Bottom Wastage

Electric Solenoid Valve for Paraffin Oil which controls to flow only when the Paper is approaching on its way.

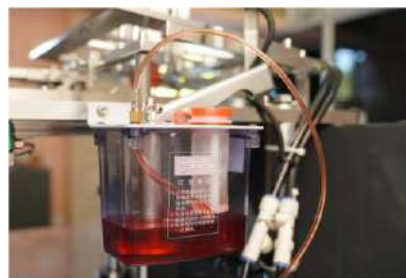
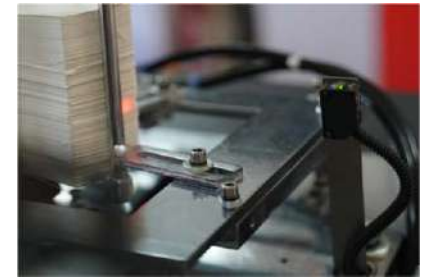


Add-Ons

Hot Air Guns

Robotic Bowl Collecting Unit

Safety Door Frameworks



Electrical & Electronics Configuration

MCB Three Pole C40	1	40A	CHINT
MCB Single Pole C25	4	25A	CHINT
Relay	5	MY2N-GS 24VDC	OMRON
Solid State Relay	1	SSR-R05DD 5A MAX 12-24 DC Ta <60°C	TKECE
Solid State Relay	6	4-32VDC/24-380VAC 40A	FOTEK
VFD	1	3PH 1.5 KW4.3A	DELTA
AC Contactor	1	LC1N3210 32A 380V	Schneider Electric
AC Contactor	3	LC1N0610 6A 380V	Schneider Electric
Main Motor with Brake	1	1.5 KW 220/380V 50HZ 6/3.8A	ZHIBAO CHINA
Knurling Motor	1	0.4 KW 220/380V 50/60HZ 1.24/2.14A	CHINA
Lubrication Oil Trochoid Pump (3-Phase Induction Motor)	1	0.2 KW 220V/380V 50HZ 1.32/0.76A	CHINA
Bottom Feeding Motor	1	0.2 KW 220V/380V 50/60HZ 0.1/0.6A	ZD
Stepping Motor	1	FHB3915-H Tn 8.5 Nm	MICE
Rotary Encoder	1	E40S6-360-3-N-24 12V to 24V 360 PPR	Autonics
Emergency Stop Switch	2	600V 10 Amps	Schneider Electric
2 Positions Rotary Selector Switch	4	600V 10 Amps	Schneider Electric
Push Button Switch	6	600V 10 Amps	Schneider Electric
3 Coil Bottom Folding Heating Element	1	220V 850 WATTS	CHINA
5 Coil Pre-Heating Element	3	220V 2200 WATTS	CHINA
Aluminium Knurling Heater	1	220V 900 WATTS	CHINA
Thermocouple (A Temperature-Measuring Device)	5		CHINA
Single Output Switching 24V DC Power Supply SMPS	1	OUTPUT DC VOLTAGE 24V 2.2A	MEAN WELL
Motor Protection Relay	1	50 HZ AC380V	CHINT
AC Cooling Fan	7	220/240V 50/60 HZ 0.14A	PUSEN
Centrifugal Blower Fan	2	220V 50 HZ 0.40A 85W	HIMOSKWA
Alarm Buzzer	1	AC 220V	CHINA
Sensor to Verify Blank Availability in its Stand	1	Photoelectric Sensor CX-442 Voltage Supply 12V to 24V DC	PANASONIC
Sensor to verify whether the Cup comes out of Curling Unit	1	Photoelectric Sensor CX-442 Voltage Supply 12V to 24V DC	PANASONIC
Sensor to detect whether the Blank is coming on Track	1	Reflective Optical Sensor CX-441 Voltage Supply 12V to 24V DC	PANASONIC
Cone Detecting Sensor	1	Reflective Optical Sensor CX-441 Voltage Supply 12V to 24V DC	PANASONIC
Sensor to verify whether the cone gets loaded to mould	1	Reflective Optical Sensor CX-441 Voltage Supply 12V to 24V DC	PANASONIC
Bottom Waste Guiding Sensor	1	Reflective Optical Sensor CX-441 Voltage Supply 12V to 24V DC	PANASONIC
Double Cup Detecting Sensor	1	Mini Limit Switch ME-8107 5A 250V AC 0.4A 115V DC	QSSR
Sensor to detect Cups missing to get Loaded in Delivery Stand	1	Mini Limit Switch ME-8107 5A 250V AC 0.4A 115V DC	QSSR
Air Timing Sensor	1	Cylindrical Proximity Sensor Switch KM12-04N	FOTEK
Bottom Roll Level Detecting Sensor	1	Tubular Type Photoelectric Switch Sensor CDR-10X	FOTEK
Electric Solenoid Valve for Paraffin Oil	1		CHINA
Human Machine Interface HMI (Touch Screen Display)	1		DELTA
Programmable logic controller PLC	1	DVP40EC	DELTA
Ultrasonic Sealing Unit	1	20KHZ 2000W	HENXA

Note: The Above Said Components are based on purchase of machine with Ultrasonic Side Sealing Unit.

*The Above Said Brands & Specification can change without any Prior Notice to maintain the Eminence of our Machine.

OMRON

Schneider
Electric

hpmont

DELTA

Panasonic

CHNT
Empower the World

Contact Us

Head Office

4/217-4, SSA Compound, South Street,
Puthiamputhur-628402,
Tuticorin District,
Tamilnadu, India.

Stock House

Chennai Puzhal

Dealers Base

Gujarat - Surat
Rajasthan – Jaipur
Uttar Pradesh – Sultanpur



www.prasannamachines.com



sales@prasannamachines.com



<https://www.facebook.com/prasannamachines>



<https://www.youtube.com/@prasannamachinesindia>



+91-73 73 76 73 11

+91-73 73 75 73 55



Customer Care

+91-73 73 75 73 44