

SM PBM-120 PAPER BOWL MACHINE



Technical Specification

Model	SMB 150
Salad bowl sizes	16-46OZ
Machine speed	90-120pcs/min
Machine net weight	4500kg
Voltage	3 phase,380V
Total power	25KW
Air pressure consumption	0.6-0.8mpa, 0.5m³ /min
Machine packing specification	L3200*W1700*H2350
Paper thickness	0.3825-0.5025mm
Paper materail	Single pe/Double pe

Electric Configuration

PLC+TOUCH SCREEN	Delta, TAIWAN
INVERTER	Delta, TAIWAN
MAIN MOTOR	ZHONGLONG, ZheJiang
SWITCH/BUTTON	SCHNEIDER, FRANCE
HEATERS	WEIRE
SENSOR	PANASONIC, JAPAN
AC CONTACTOR / BREAKER	SCHNEIDER, FRANCE
RELAY	SCHNEIDER, FRANCE
Ultrasonic	EVERGREEN, TAIWAN
Air cylinder	AIRTAG,TAIWAN
TEMPREATURE MOULD	Delta,TAIWAN
CODER	OMRON, JAPAN
Solenoid value	AIRTAG,TAIWAN

Introduction

SMB-150 paper bowl machine

SMB-150 paper bowl machine using table top layout, which isolates the forming parts and transmission parts. All transmission part use longitudinal shaft, barrel indexing cam and gear transmission. All transmission components are lubricated by spray. Machine is controlled by PLC, the whole process is monitored by photoelectric sensors, feeding by servo.

Main structure

1. First, workers put paper fan on the paper feeding, it will auto suck the paper down.



2. Next is the paper bowl side sealing, we have two stations of hot air heaters for pre-heating (top and lower), then sealed by ultrasonic.



3. After the paper bowl body sealing. It will combine with bottom paper. The bottom paper cut directly on machine from bottom rolling paper. And for the paper cup bottom, we not only have two station of hot air heating, but also with one station of the bottom curling ,and one station of the bottom knurling. In this way, the sealing would be more stronger to avoid leakage risk.



4. The last step is the paper bowl top curling. We have 2 stations for bowl top curling, so, it can make the bowl top more rounded and more stronger. When paper cups finished, then will go inside this pipe into the bowl collector table.



Bottom paper cutting

5. Cam



6. Electric cabinet



Communication Details



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