

RBS-E600D

All Electric Shuttle Machine Specifications



Model: RBS-E600D

Type: Full Electric Horizontal Shuttle, Double Station, Single Layer Blow Molding Machine with 4 parison extrusion head, configured to process Polyolefin pellets

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RBS-E600D All Electric Shuttle Machine Specifications

Extruder

LD Ratio:	24
Barrel:	100mm Smooth Bore. Nitride hardened to 1050HV hardness
Screw:	100mm with Maddox mixing section
Heating:	4 zones plus one for barrel flange at 18kW
Cooling:	4 Cooling Fans
Gearbox:	High performance / Extra HD
Drive Unit:	Allen Bradely AC Invertor & 75 hp Motor (option for 100 hp.)
Screw RPM:	15 -60
Platform Adjustments:	Electrical – Forward/Backward adjustment of 400mm Manual – Left/Right adjustment of 100mm Electric – Up/Down adjustment of 200mm
Platform Access:	Stairs

Extrusion Head

Type:	4 parison
Center Distance:	125mm
Max Die Size:	60mm
Heating:	11 Heating Zones
Heating Capacity:	14 kW
Parison Actuator:	2.9 kW Servo System
Transducer:	Transtek
Prison Programmer:	200 point integrated into the control system
View Stripe Extruder:	Not included
Anti-Static Bar:	Included

Parison Cutting

Type:	Cold Cutter and Pre-Pinch (options for hot knife)
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Clamping Unit

Type:	4 Tie bar electric system
Platen:	Aluminum Mold width 590mm Mold Length 550mm
Movement:	Yaskawa 7.5kW Servo drive system and Sumitomo Gear box
Clamp Force:	18 US Ton
Daylight Opening:	280mm x 560mm Mold Height 2 x 140mm
Feedback:	Rotary incremental encoder and proximity switch
Lubrication:	Automatic lubrication system

Product Takeout

Type:	Servo driven to middle of machine. All containers exit on one side
Movement In/Out:	Yaskawa Servo motor .85 kW
Movement Up/Down:	Yaskawa Servo motor .75 kW
Additional Features:	Adjustable pick and place function
Feedback:	Rotary incremental encoder and proximity switch

Carriage

Type:	Horizontal shuttle on precision linear guide rails
Stroke:	600mm
Movement:	Yaskawa 7.5 kW Servo drive system
Feedback:	Rotary incremental encoder and proximity switch

Blow-Pin Station

Control:	2 position servo control with lift and transfer function
Feature:	Compressed air cooling for top flash while blowing
Movement:	Yaskawa 4.4 kW Servo system with precision ball screw
Feedback:	Rotary incremental encoder and proximity switch

Deflashing

Type:	Standard (Cooling by compressed air)
Movement:	Pneumatic cylinder
Pneumatic Valve:	Standard

Pneumatics

Type:	Valves from Festo
Operating Pressure:	5 – 8kg/cm ₂

Controls System

Manufacturer:	Siemens
Type:	PC477D – PC based controller
I/O:	ET200S – distributed I/O system
Integrated Heating:	Yes
Thermocouple:	J-Type
Cold Start Prevention:	Yes
Parison Programing:	Yes – 200 point
Interface:	15" Touch Screen
Recipe Storage:	Yes
Password Control:	Yes

Total Connected Load

Total Load (FLC):	130kW
Average Load:	55kW – 65kW
Mold Cooling Water:	4.4 gal/min
Air Consumption:	70 – 140cfm.