

JORPIMCON

JORDI PINILLA IMPORTACIONES Y
CONSULTORÍA ESTRATÉGICA, S.L.


BUMPER FOR CAR
PRODUCTION LINE


No.	Machine	Item
1	JWZ-BM 160 Blow-molding machine	1set
2	1200*300mm Front Bumper mold Material S50C	5set
3	1200*200mm Rear Bumper mold Material S50C	5set
4	300kg auto loader	1set
5	12KW/500KG Drying hopper	1set
6	2.2KW/500KG Vertical drying mixer	1set
7	22KW/550KG Crusher	1set
8	20HP Air cooling Chiller	1set
9	15KW Screw air compressor	1set
10	1.0m3 Air tank	1set

JWZ-BM-160 Blow-molding Machine

Environment Condition
Location: Indoors
Power supply: No dangerous area
Power: 3-phase 4 wires structure. 380V/3P/50Hz
Total power: 160KW
Average energy consumption: 110KW
Hydraulic servo pump system
Humidity degree: $\leq 95\%$
Temperature: 0-35°C
Cooling water: $\leq 20^{\circ}\text{C}$, $\geq 0.3\text{Mpa}$
Water consumption: 10T/H
Air pressure: 0.8Mpa
Air consumption: 100m ³ /h
Suitable material: ABS
Specifications about the product: Max container volume: 160L
The max. plasticizing capacity: 210kg/hr
NOTE: The output varies according to the materials and the operation conditions.

Equipment list:	
JWS100/28 Single screw Extruder	1set
MOOG 100 Parison Controller	1set
Blowing pin device	1set
Accumulating type Die head	1set
Mold open and close device	1set
Take out robot	1set
Hydraulic system	1set
Pneumatic system	1set
Electrical system	1set

Specifications of the Production Line	
JWS100/28 Single screw Extruder	
Screw	
Diameter: 100mm	
L/D: 28: 1	
Material: 38CrMoAlA	
Treatment: Nitriding heat-treatment	
Brand:	 Jinhailuo 金海螺
Barrel	
Material: 38CrMoAlA	
Treatment: Nitriding	
Heating control zones: 6 Zones	
Heating power: 4KW×6	
Cooling system: By blower fan	

Cooling power: 0.25KW×4
Brand:  Jinhailuo 金海螺
Gearbox
Material of the body: QT225
Gear type: Helical gears
Material of the gear: 20CrMnTi
Heat treatment of the gear surface: Quenching
Bearings Chinese: famous bearing
Lubricating system: Press system
Cooling System: Equipped with separated Cooling System
Feeding block
Water circled cooling system
Material: Q235
Driving motor
AC motor MADE IN CHINA
Power: 75KW
Control System: ABB inverter
Auto loader 300Kg/h

Accumulating type Die head (Including Heating Ring)

Heating Control Zone: 10 zones

Heating Power: MAX 30KW

Material of the die: 38CrMoAlA

Accumulating volume: 18L

Max weight for the material: 12.6kg

Take out robot**Mold Opening and Clamping Device**

Platen size: 1120mm×1600mm(W*H)

Max. mould size: 900mm×1400mm

Max. die pin diameter: 510 mm

Spaces between platens: 500mm—1400mm

Clamping force: 780KN—850 KN

Clamping way driven: by hydraulic

Devices Used for Moving the Positions of the Mold

This device is designed for driving the mold's move from left to right, and it is driven by hydraulic cylinder. The station moves up and down with linear guides, speediness, smoothness, high precision and energy-saving.

Hydraulic Servo Control System

Hydraulic system adopts Servo controller, SUMITOMO low-noise gear pump, it has the features of quick response and energy saving. This controller can save more than 50% energy than common ones.

Pneumatic Control System

Pneumatic circuit just uses special blowing technique, and the pressure and flux of compressed air is even. The pneumatic valves are Chinese famous brand—Air TAC

Parison Control System

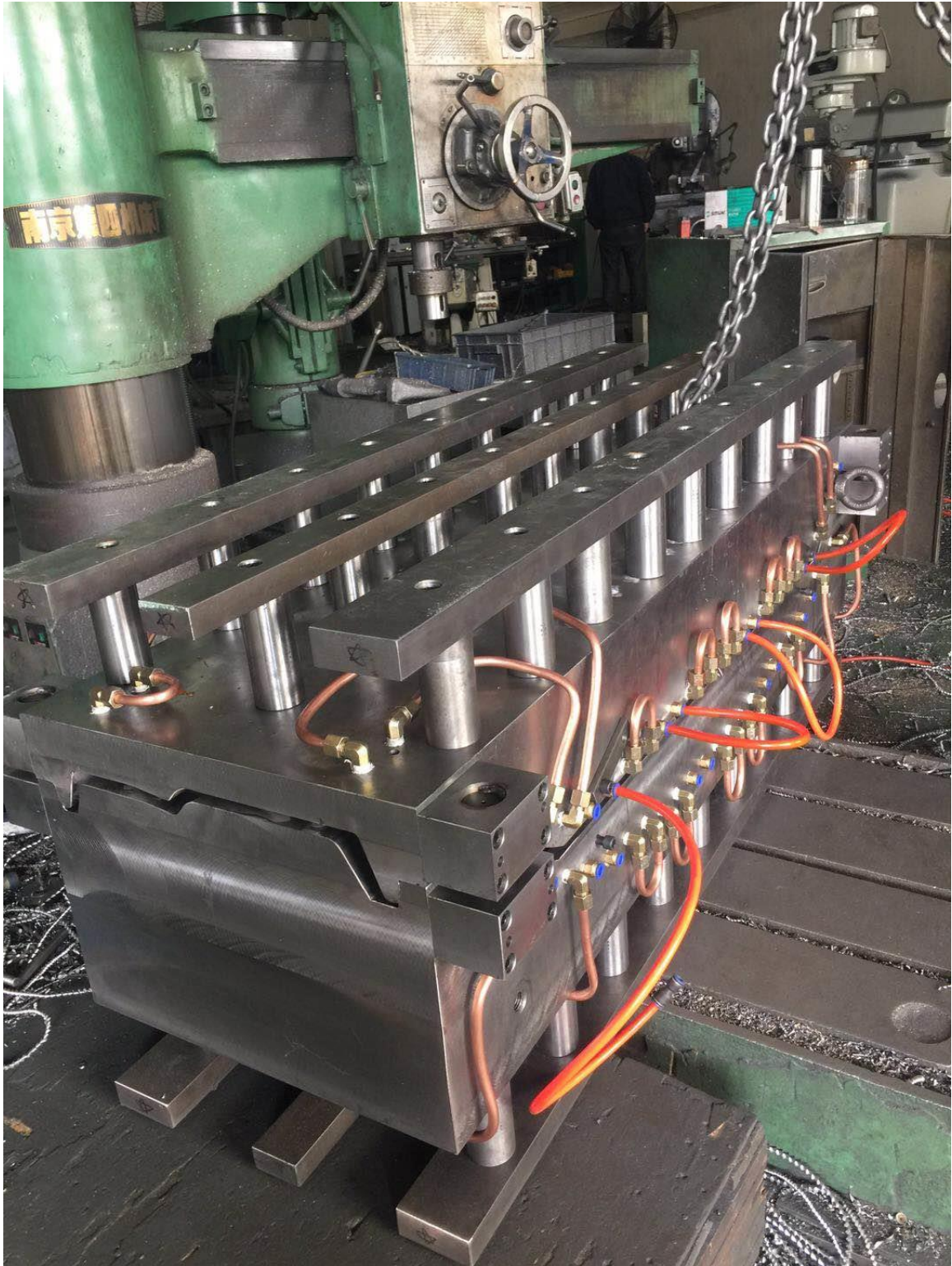
We adopt MOOG 100 point parison control system, it can ensure products weight and thickness perfectly

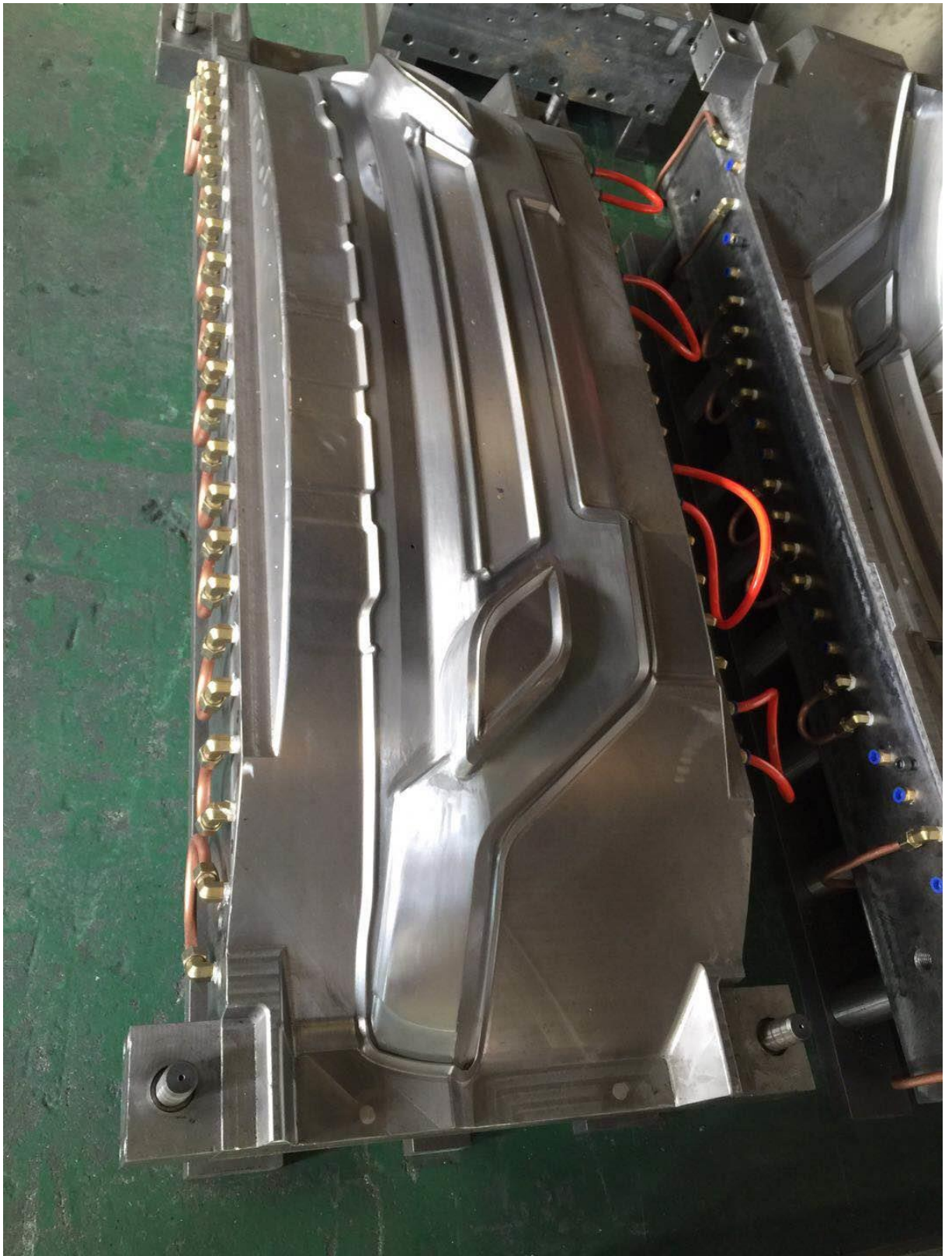
Electric Control System

The electrical controlling system uses human-machine interface, all the parameters can be defined on touch screen, for example, the rotating speed, temperature setting, working pressure of hydraulic system and so on. It also has alarming function and emergency-stopping function.

The elements used on electrical controlling system:

- 1) CHINA famous brand motor
- 2) ABB inverter
- 3) SIEMENS PLC and touch screen
- 4) Schneider contactor





TERMS OF DELIVERY AND PAYMENT

- Delivery time; 120 days.
- Transport condition: CFR PORT.
- Certification: CE
- Line Price: ASK US.
- Payment: Irrevocable Letter of Credit by International Bank, transferable and confirmed.
- Start-up with technicians salary included in this Price, not included air tickets, visa, foods and accomodation.
- Warranty: 1 years of Spanish warranty.

JORPIMCON

JORDI PINILLA IMPORTACIONES Y
CONSULTORÍA ESTRATÉGICA, S.L.

Bilbao, 13, 08241
Manresa, Spain

WWW.JORPIMCON.COM