



GLASS STRAIGHT LINE MITERING MACHINE MODEL SAE10B

Power supply: 3-Phase, 480V/60Hz

Total power: 24.00 kW

Glass thickness: 3-30mm

Minimum glass width: 60mm

Mitering angle changing range: 0-45°

Processed profile: Mitering or flat edge with arris

Glass feeding speed: 0.5 - 5.0 m/min

Front and rear conveyor: B-type chainless bearing conveyor

Rear conveyor includes pads washing device

Automatic lubrication system for spindle sliders and conveyor pads' bearings

Inlet/Outlet conveyor: Timing belts

Glass thickness adjustment: AC motor with linear position sensor and displayed controlled by PLC

Mitering angle adjustment: AC motor with encoder and displayed control by PLC

Glass driving: By servo system

Glass driving speed adjustment: Directly input the required speed on the touch screen HMI

A touch screen HMI is for setting, controlling and displaying the processing parameter

Wheels configuration (All wheels are Cup-shape wheels):

All spindles use ABB special AC motor.

Polishing wheels are air lifted.

Pos.1 Diamond 150mm, grain size #100 segment, 2.2Kw for mitering edge

Pos.2 Diamond 150mm, grain size #240, 2.2kW for mitering t edge

Pos.3 Resin 150mm, grain size #240, 2.2kW for mitering edge

Pos.4 Resin 150mm, grain size #320, 2.2kW for mitering edge

Pos.5 Polishing 150mm, WEL600, 2.2kW for mitering edge

Pos.6 Polishing 150mm, CE3, 1.5kW (Low speed) for mitering edge air lifted

Pos.7 Resin 130mm, grain size #180, 2.2kW for rear arris

Pos.8 Polishing 130mm, BD, 2.2kW for rear arris air lifted

Pos.9 Resin 130mm, grain size #180, 2.2kW for front arris

Pos.10 Polishing 130mm, BD, 2.2kW for front arris air lifted

Water pump: AC motors 0.25 kW

Operating method: Continuous running and manual feeding

Overall dimensions: 7900X1300X2900mm

Total weight: 5000kg

SERVO-DRIVEN GLASS FEEDING SYSTEM

Servo-driven glass movement ensures precise, stable, and smooth feeding, improving edge quality, consistency, and operational reliability during continuous processing.

WIDE GLASS THICKNESS AND ANGLE RANGE

Processes glass from 3 to 30 mm thickness, with adjustable mitering angles from 0 to 45 degrees accurately.

PLC-CONTROLLED ADJUSTMENTS WITH HMI INTERFACE

PLC-controlled thickness and angle adjustments with touch screen HMI allow accurate parameter setting, monitoring, and efficient operation.

COMPLETE POLISHING AND ARRIS WHEEL CONFIGURATION

Ten cup-shaped wheels provide mitering, polishing, and front and rear arris finishing for high-quality, smooth glass edges.

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