



SGJ1300R-RPA - WIDE BELT SANDER

STANDARD TYPE STEEL ROLLER + COMBINATION
(ROLLER AND PAD) TOTAL MOTOR: 40.62KW





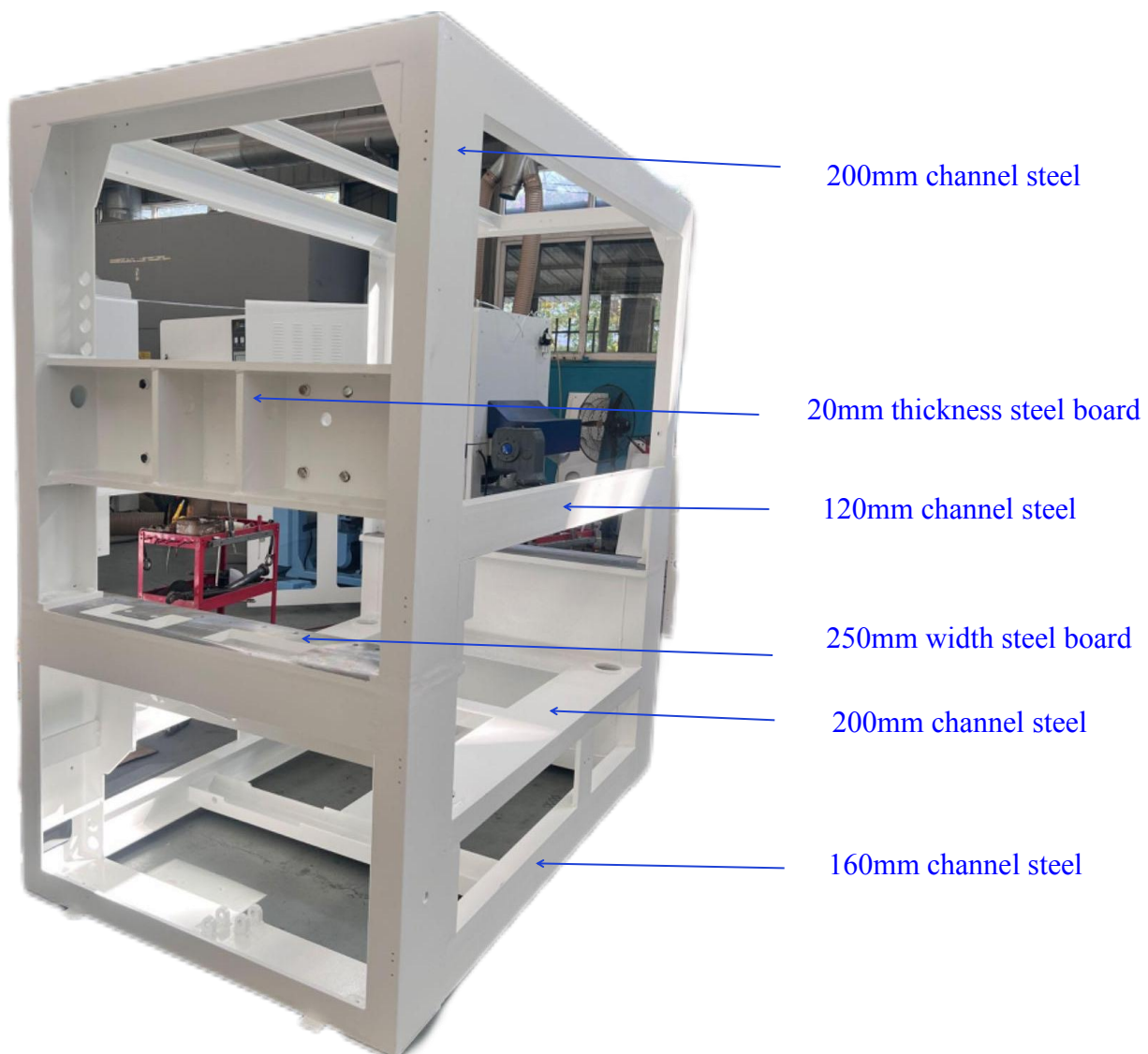
We applied all our experience in sanding technology to make this type machine. It's main advantage is high cost performance (good quality and affordable price), this machine is easy to adjust and maintain, our purpose is save you time and cost.

BASIC SPECIFICATIONS:

MODEL SPC ITEM		STANDARD TYPE
Contact roller diameter		240mm
Calibrating roller diameter		210mm
Working width		40-1300mm
Working thickness		2.5-150mm
Feeding speed		0-19m/min
First belt speed		24m/s
Second belt speed		18m/s
Sanding belt size		1330*2200mm
Total power		40.62kw
First belt motor		22kw
Second belt motor		15kw
Motors position		Inside
Feeding motor		3kw (inverter)
Lift & decline motor		0.37kw
Brush motor		0.25kw
Working pressure		0.4-0.8Mpa
Compressed air consumption		1 CBM/min
Overall dimension		2300*2000*2120mm
Weight		3600kgs

MACHINE FRAME:

- ◆ Built with steel structure, machine frame is through heat treatment, strong and heavy duty.
- ◆ Steel materials come from china big factories, Jinan or Wuhan steel factory.
- ◆ Scientific strengthening frame to guarantee the machine a heavy duty design.
- ◆ Transmission from main motor to working units with V-belts and pulleys, disk brakes on each working units for emergency stop.
- ◆ Standard paint in gray and light white.
- ◆ Machine frame for forklift and hoist.



PRESSURE SYSTEM:

Pressure units to hold the work pieces on the conveyor belt; are positioned in front and rear of each working unit;

Press rollers diameter 70mm.

The press rollers with disc springs to compensate panel thickness difference.

Pressure rollers are assembled on roller racks, easy to adjust.



Double press rollers



Disc springs

FEED SYSTEM:

Feed table is built in steel with tolerance of planarity within 0.03mm; table surface fine-grinded to avoid wear of the internal side of the feed belt; the steel table is through heat treatment too.

Conveyor belt with surface in rubber at appropriate hardness; top profile according to operation requirement.

Drive unit with motor and reducer, feed speed variable in continuous from 0m/min to 19m/min.

Table extension on both front and rear side with steel idle rollers.



Fine Grided Steel Table



Bevel gear reducer

WORKING SYSTEM:

1st working unit:

Working unit with diameter 240mm steel sanding roller complete with: sanding belt tension unit; electronic oscillation; dust hood; safety systems.

Sanding roller with helicoidal grooves for cooling.

Motor with one speed of rotation.

2nd working unit:

Working unit is a combination of rubber roller and pad, with alloy rack, felt, graphite cloth complete with sanding belt tension unit; electronic oscillation; dust hood; safety systems.

Rubber roller is diameter 210mm and hardness 55 shore.

Sanding pad can be adjusted up and down easily. (Air pad is available)

Motor with one speed of rotation.





Belt oscillation adjustment

24v Solenoid valves

V belts

Motor

Disc brake



Eccentric steel roller: Ø240mm



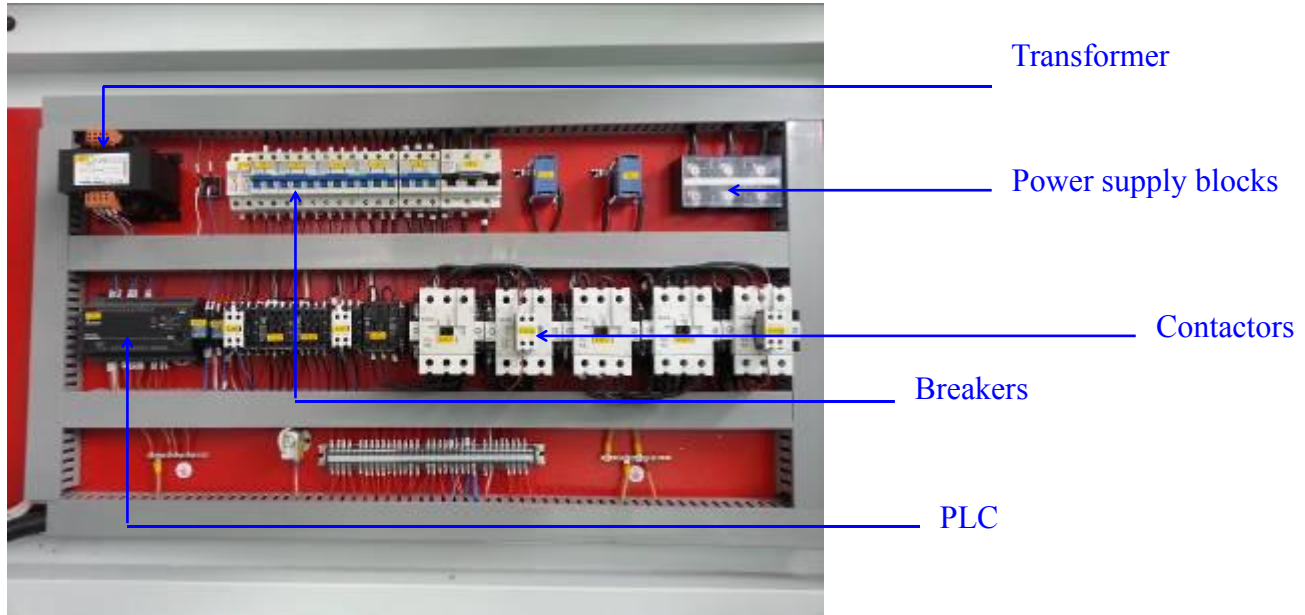
Calibrating rubber roller: Ø210mm



Sanding pad

ELECTRIC SYSTEM:

Electric plant in the front of machine, includes a main switch, PLC, contactor, breaker and so on. Machine manufacture per CE regulations according to European general machine directive. Electric parts adopt Schneider brand.



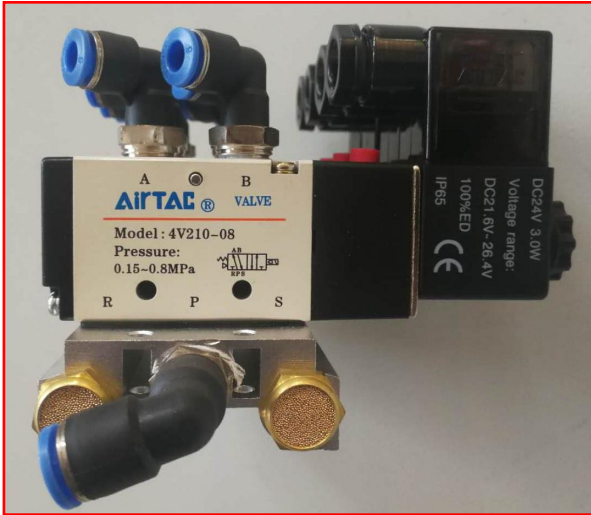
BANNER sensor



OMRON limited switch

PNEUMATIC SYSTEM:

Pneumatic plant complete with oil/air nebulizer, solenoid valve air pressure relay and so on.
Pneumatic parts adopt Airtac brand.



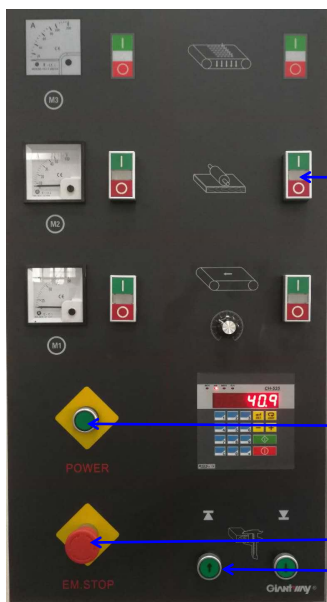
AIRTAC solenoid valve



AIRTAC cylinder

CONTROL SYSTEM:

Control panel with push buttons and Micro computer in frond side of machine.



START/ STOP BUTTON

POWER BUTTON

EMERGENCY STOP BUTTON

TABLE UP & DOWN BUTTON



ETEK CONTROLLER