

WIDE BELT FINE SANDING SANDER



MODEL: SGJ1300R-RB

ROLLER+ ROLLER

SERVICE SIDE: RIGHT



We applied all our experience in sanding technology to make this type of machine. It is easy to adjust and maintain.

BASIC SPECIFICATIONS:

ITEM	MODEL	SGJ1300R-RB
	SPC	
First roller diameter		320mm
Second roller diameter		320mm
Working table height		850mm
Working width		40-1300mm
Working thickness		1-100mm
Feeding speed		0-19m/min
First belt speed		Max 12m/s (with inverter)
Second belt speed		Max 12m/s (with inverter)
Sanding belt size		1330*2620mm
Feeding belt size		1300*3740mm
Total power		33.43kw
First belt motor		15kw
Second belt motor		15kw
Motors position		Inside the machine
Feeding motor		3 kw
Lift & decline motor		0.18kw - 4P
Brush motor		0.25kw-6P
Working pressure		0.4-0.8Mpa
Compressed air consumption		1 CBM/min
Overall dimension		2090*2370*2220mm
Weight		About 4300kgs

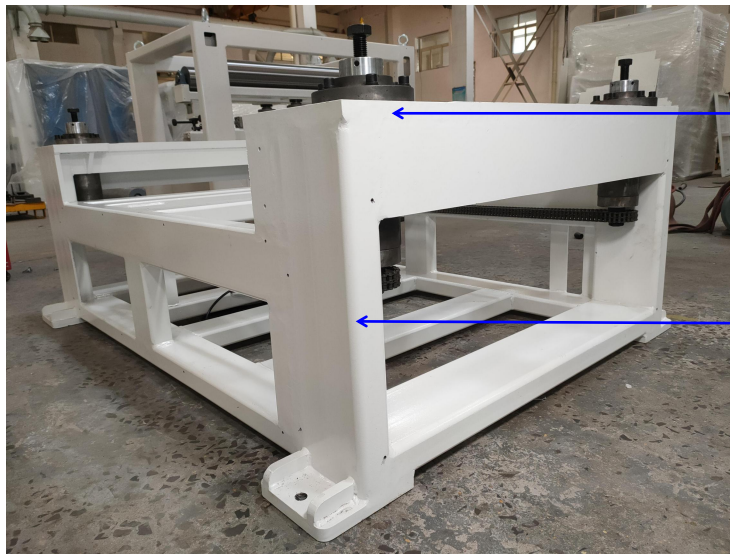
MACHINE FRAME:

Built with steel structure; main motors positioned inside the body in a protected position.

Transmission from main motor to working units with V-belts and pulleys, disk brakes on each working units for emergency stop.

Standard paint in light white and blue.

Machine manufacture per CE regulations according to European general machine directive.

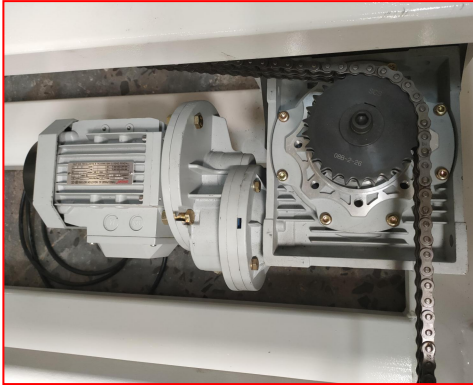


LIFTING SYSTEM:

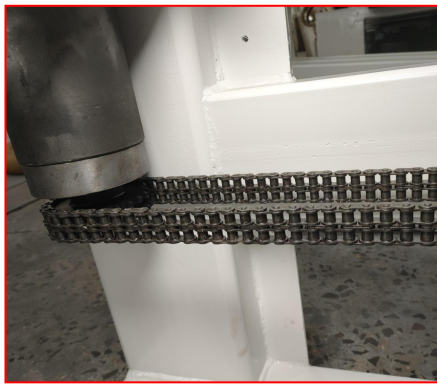
Double gear box to ensure the lifting torque.

Double lifting chain guarantee the power transmission.

Ball screws inside the lifting column, ensure the lifting precisely and smooth.



Lifting motor with double gear box



Double lifting chains®



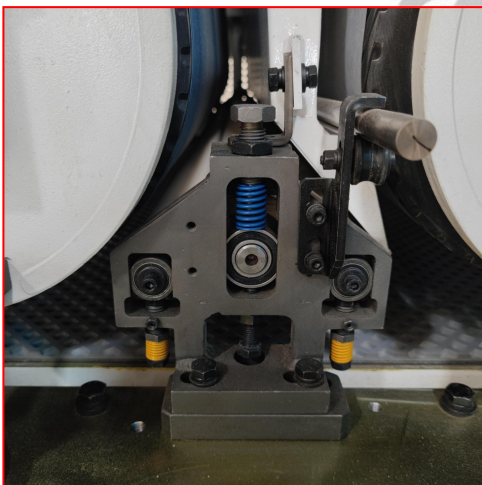
Ball screws

PRESSURE SYSTEM:

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

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

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



Three press rollers



Disc springs

FEED SYSTEM:

Feeding table is fixed, to give a constant passline.

Feeding table is built in steel with tolerance of planarity within 0.05mm; table surface is fine-grinded to avoid wear of the internal side of the conveyor belt; feeding table is subjected to heat treatment too.

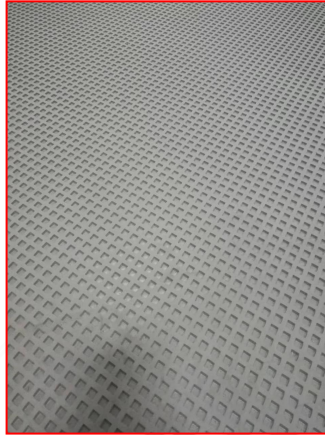
Conveyor belt with rubber surface at appropriate hardness; top profile according to operation requirement.

With motor and reducer, feeding speed of drive unit varies in continuous from 0 to 19m/min.

Feed table extension in machine front side with steel idle rollers.



Fine grinded steel table



Rubber belt



Bevel gear reducer

WORKING SYSTEM

Working system moves UP& DOWN

1st working unit:

Working unit with diameter 320mm rubber sanding roller complete with: sanding belt tension unit; electronic oscillation; dust hood; safety systems.

Sanding roller with helicoidal grooves for cooling.

Motor with inverter for variable speed.

Air jet blowers are used to clean and cool sanding belt.

2nd working unit:(same with the first working unit)

Working unit with diameter 320mm rubber sanding roller complete with: sanding belt tension unit; electronic oscillation; dust hood; safety systems.

Sanding roller with helicoidal grooves for cooling.

Motor with inverter for variable speed.

Air jet blowers are used to clean and cool sanding belt.



Tension roller

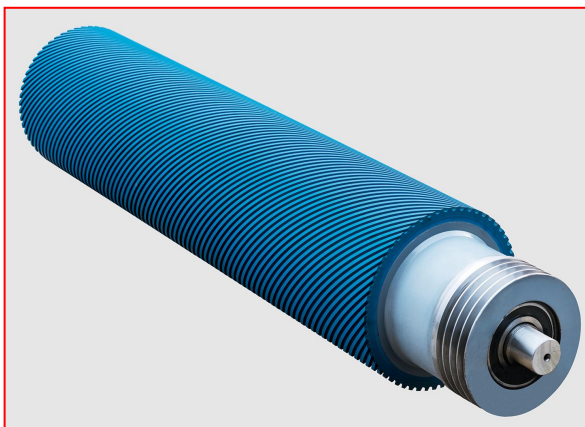
Belt size: 1330*2620mm

Tension switch

Limited switch

Tension pressure meter

Excentric shaft



Rubber roller: Ø320mm

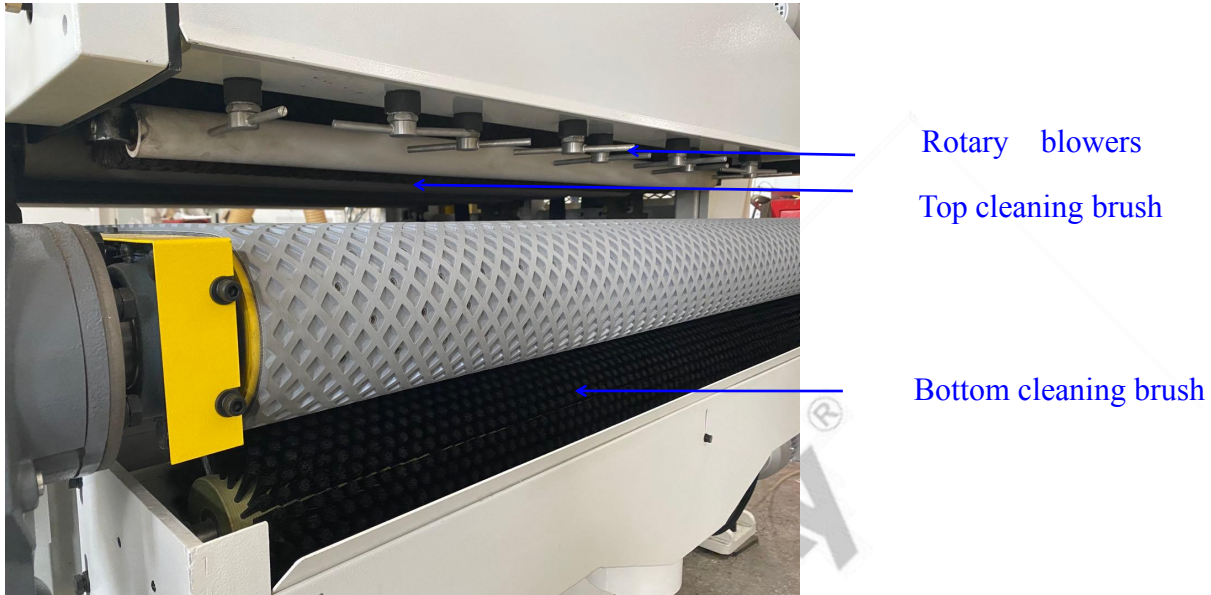


SKF bearings inside

3rd working unit: (cleaning system)

This working unit is the cleaning system of the machine, outfitted with rotary air jet blowers and cleaning brush on the top side for cleaning the panels.

There is a cleaning brush on the bottom side of the feeding table, it's function is cleaning the conveyor belt to avoid secondary pollution.

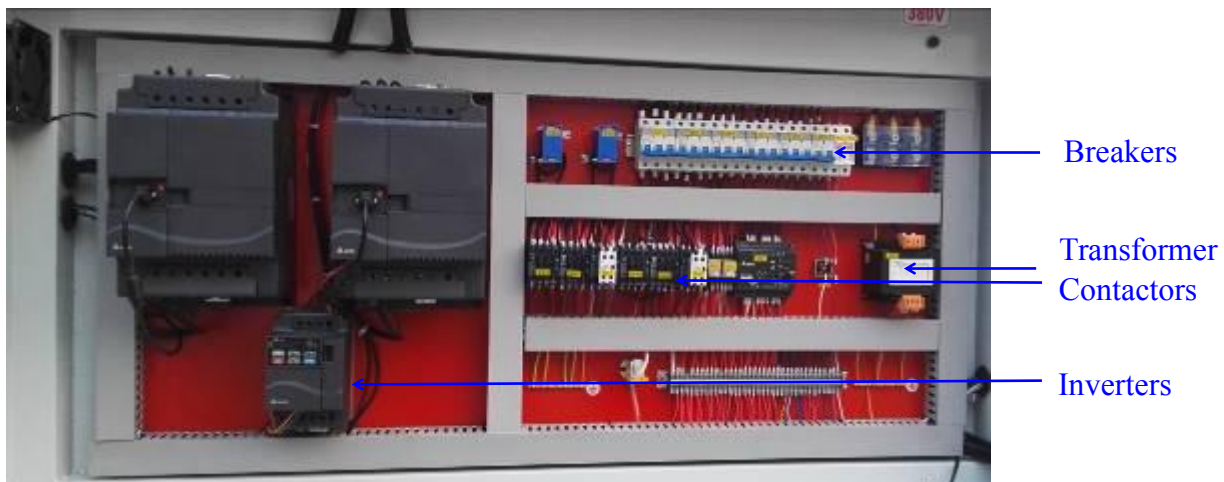


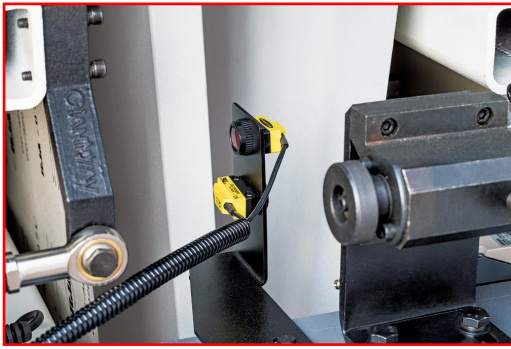
ELECTRIC SYSTEM:

Electric plant in the front of machine, includes a main switch, PLC, contactor, breaker and so on.

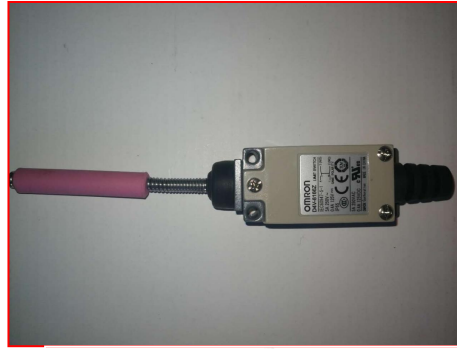
Electric plant built on standard CE rules.

Electric parts adopt Teco 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 AIRTAC brand.



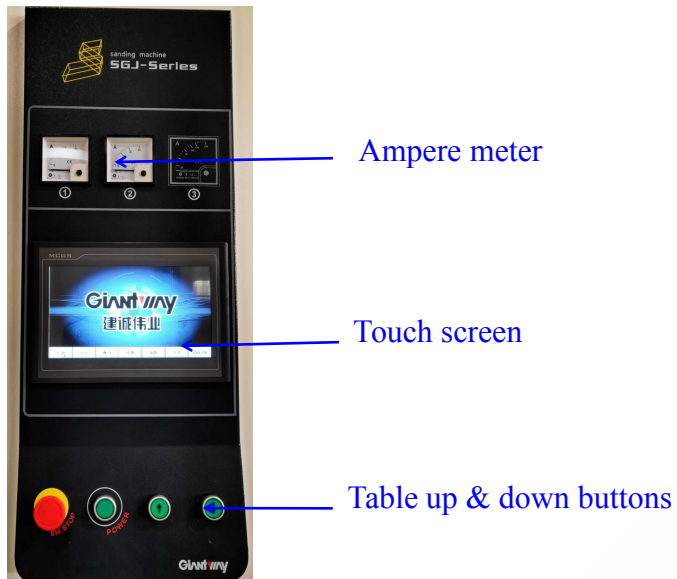
Solenoid valve



Cylinder

CONTROL SYSTEM:

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



REMARK: The above photos are for reference only; the actual machine may differ from them.