

PLANER SANDING MACHINE



MODEL: BSG1300K-R-RP

PLANER + ROLLER + COMBINATION

OPERATION SIDE: LEFT



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Planer sanding machine is a heavy duty sanding machine, the working units including a planer head, a steel roller and a combination of rubber roller and pad. The machine combines rough sanding and fine sanding function, is mainly used on jointed panel, block board, plywood board, MDF and so on, for calibrating and fine sanding.

BASIC SPECIFICATIONS:

ITEM	MODEL SPC	BSG1300K-R-RP
Working width		50-1300mm
Working thickness		10-150mm
Working length		Min 515mm
Planer roller diameter		180mm
Planer knife size		30*12*2.5mm
1 st sanding roller diameter		240mm
2 nd sanding roller diameter		210mm
Planer RPM		2940
1 ST belt speed		24m/s
2 nd belt speed		18m/s
Feeding speed		0-19m/min (inverter)
Abrasive belt size		1330*2200mm
Feeding belt size		1300*4840mm
Total motor power		63.67kw
Planer motor power		22kw-2p
1 st belt motor power		22kw-4p
2 nd belt motor power		15kw -4p
Feeding motor power		4kw
Rise and decline motor power		0.37kw-4p
Brush motor power		0.25kw-6p
Air jet blower oscillating motor power		0.025kw-4p

Working pressure	0.4-0.8 Mpa
Compressed air consumption	1.5cbm/min
Average speed of sucked air	25-30m/s
Overall dimension	2816*2000*2070mm
N.W.	5050kgs

MACHINE FRAME:

- *Built with steel structure; main motors positioned inside the frame.
- *Transmission from main motor to working units with V-belts and pulleys, disc brakes for emergency stop.
- *Standard paint in gray and light white.
- *Machine manufacture per CE regulations according to European general machine directive.
- *Machine frame for forklift and hoist.

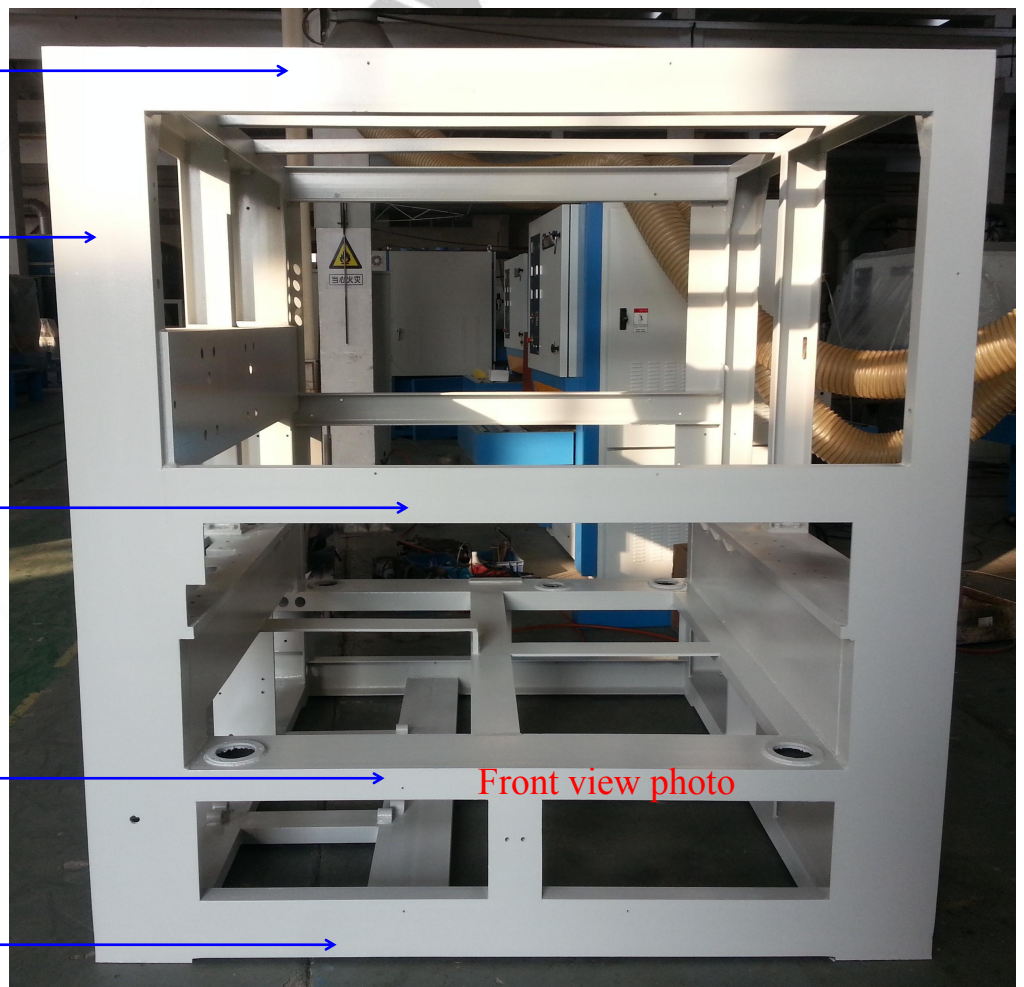
120mm steel channel

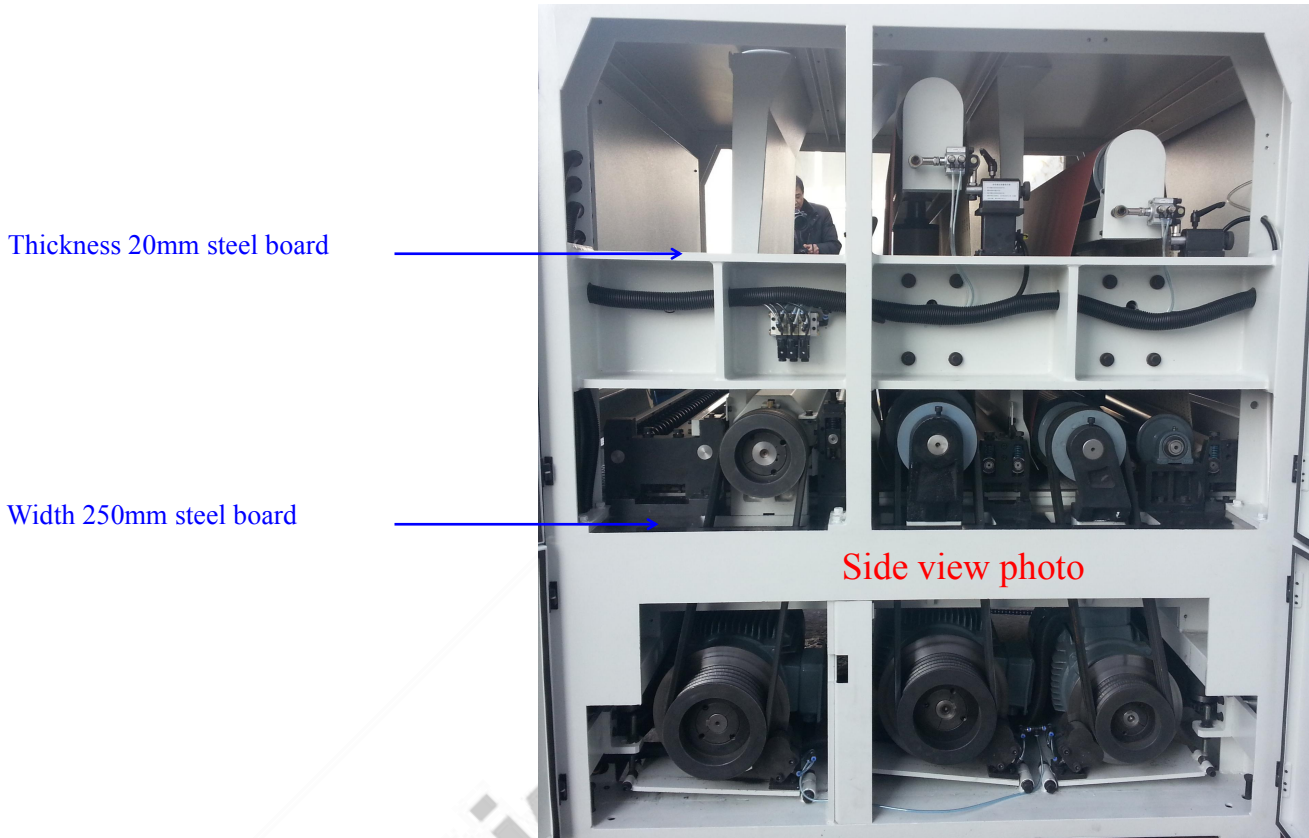
200mm steel channel

120mm steel channel

200mm steel channel

160mm steel channel





PPRESSURE SYSTEM:

- *Pressure units to hold the work pieces on the conveyor belt.
- *There are anti-kickback fingers, press rollers and chip breakers before the planer, and solid press board, press rollers after the planer.
- * Double press rollers before and after the abrasive belt working units.
- *The press rollers with springs to compensate panel thickness difference.
- * The press units are easy to adjust

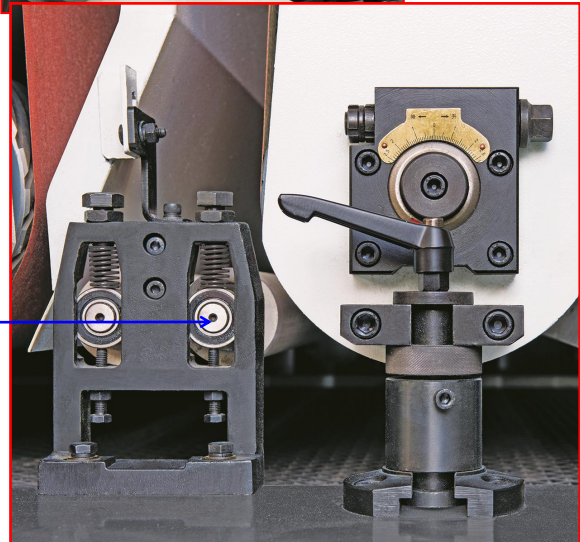
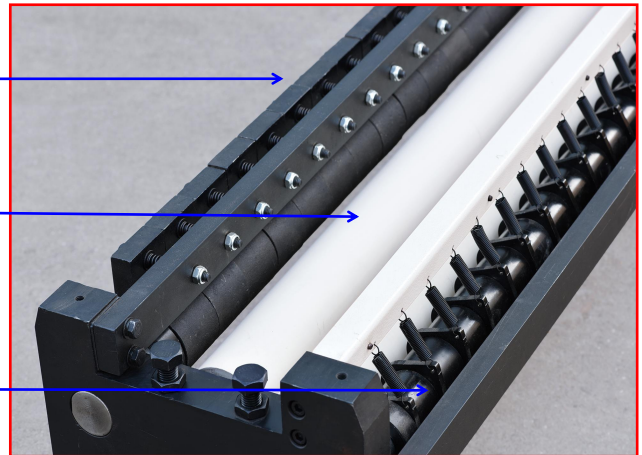
Segmented chip breaker

Double press rollers with diameter 70mm

Anti-kick back finger

Solid press board after planer

Double press rollers



FEED SYSTEM:

- *Feed table is built in steel with tolerance of planarity within 0.05mm; table surface fine-grinded to avoid wear of the internal side of the feed belt;
- *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 sides with steel idle rollers.



STEEL FEED TABLE



RUBBER BELT



BEVEL GEAR REDUCER

WORKING SYSTEM:**1st working unit:**

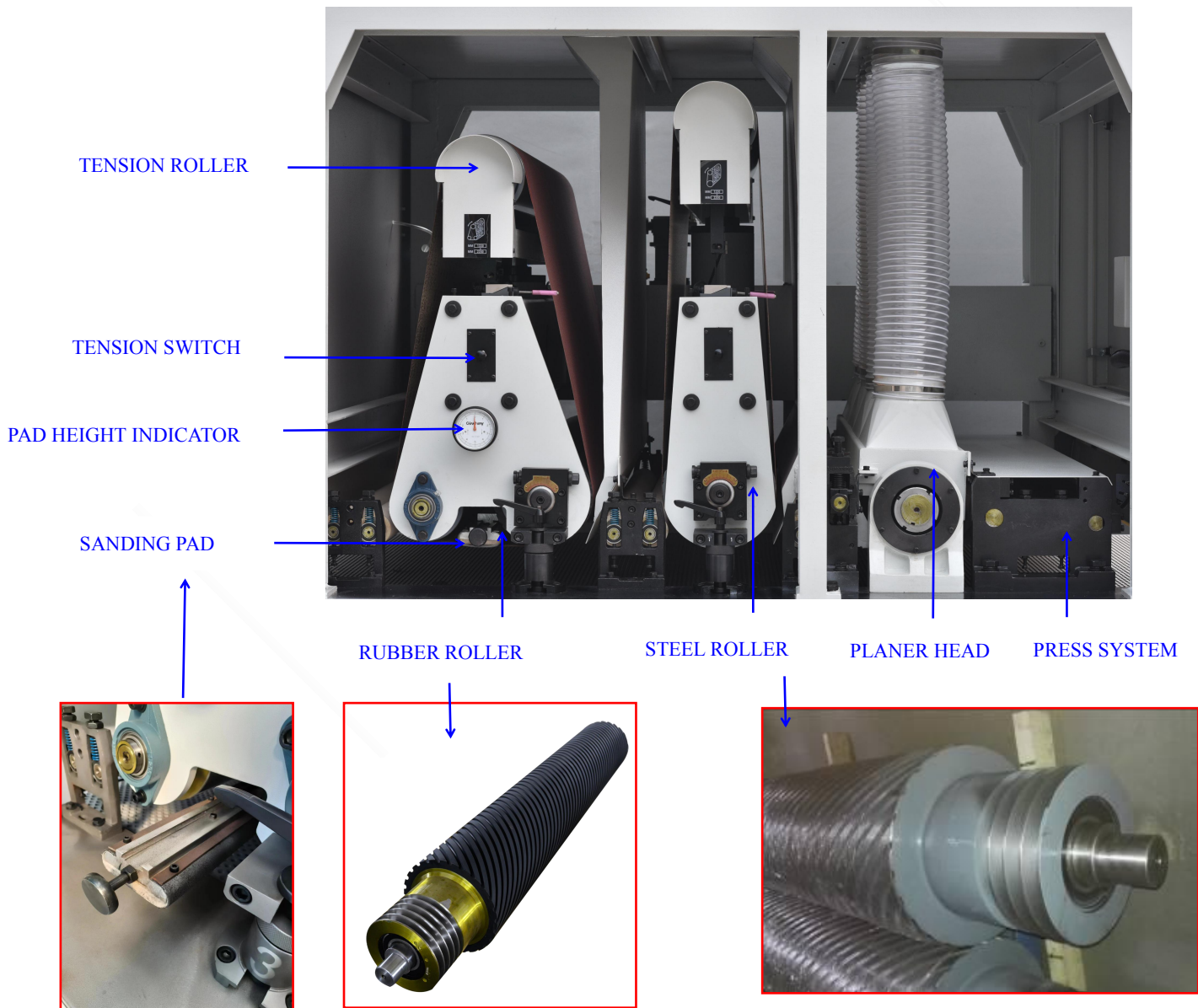
- * Working unit is a diameter 180mm planer roller, 261 planer knives with 9 lines assembled on it.
- * Planer knife size: 30*12*2.5mm
- * Planer knife is made in Germany.
- * Planer RPM: 2940



- * 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.
- * Abrasive belt speed: 27.5m/s
- * Motor with one speed of rotation.

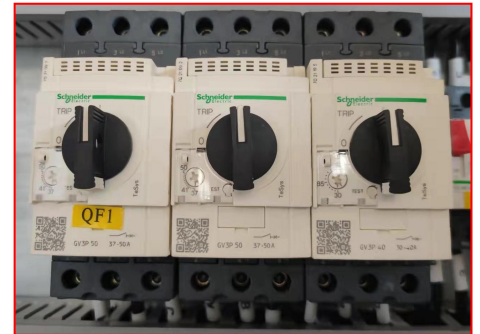
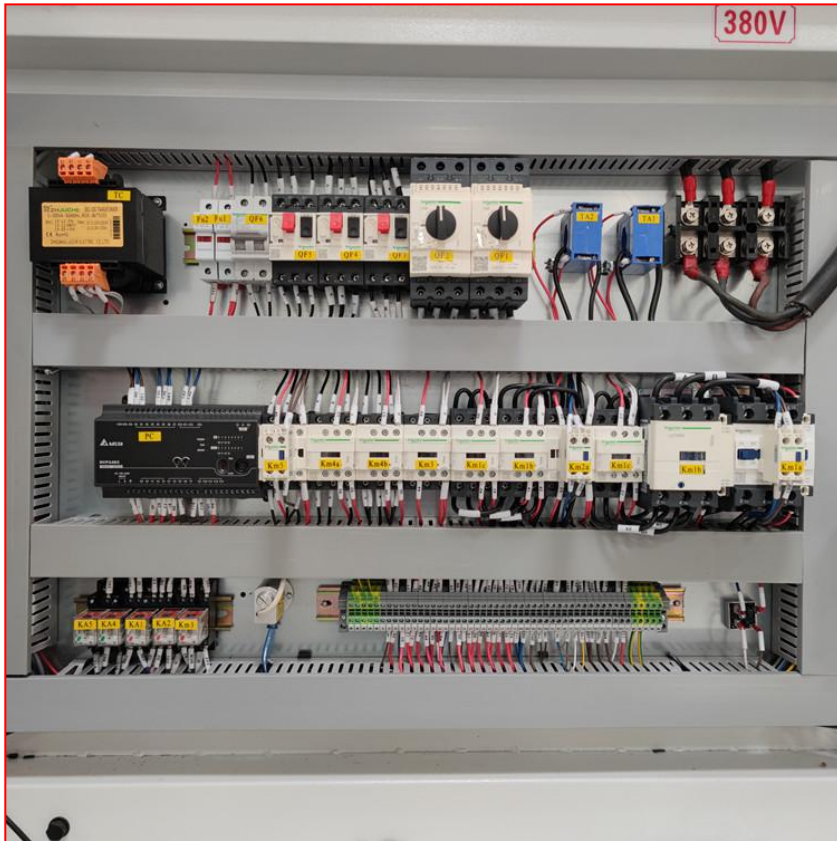
3RD working unit:

- * 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.
- * Motor with one speed of rotation.
- * Abrasive belt speed: 18m/s

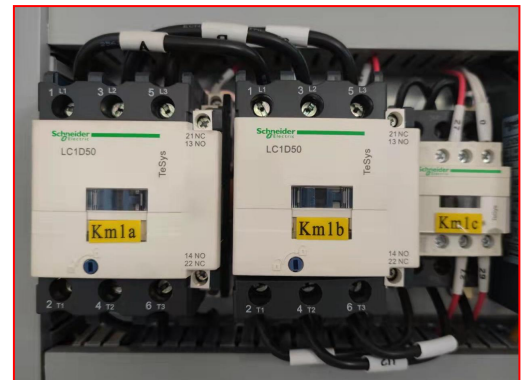


ELECTRIC SYSTEM:

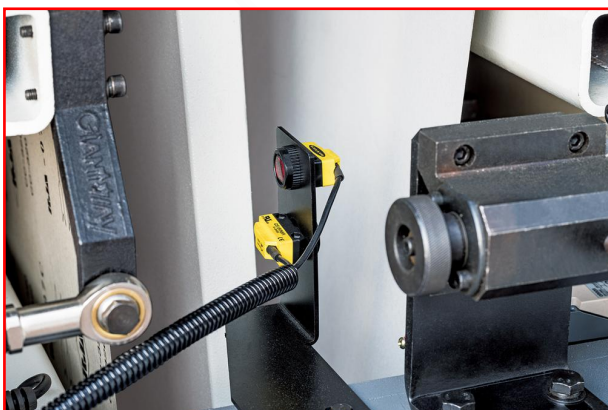
- * Electric plant includes a main switch, PLC, contactors, breakers and so on.
- * Electric plant built on standard CE rules.
- * Electric parts adopt **Schneider** brand.



BREAKER



CONTACTOR



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.



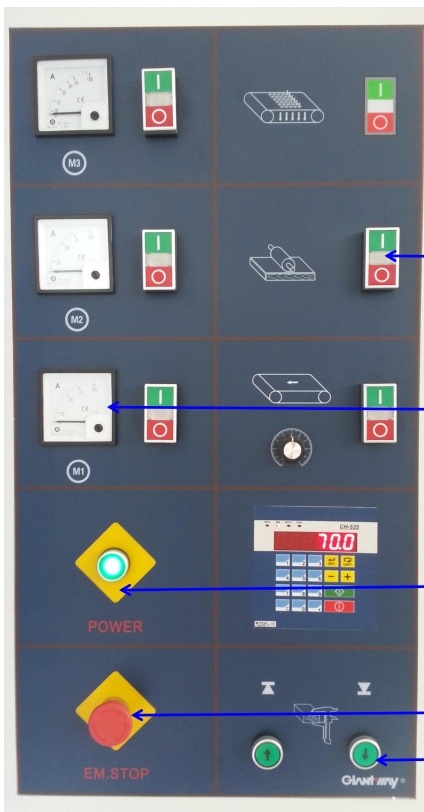
AIRTAC solenoid valve



AIRTAC cylinder

CONTROL SYSTEM:

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



START / STOP BUTTON

AMP METER

POWER BUTTON

EMERGENCY STOP BUTTON

UP&DOWN BUTTONS



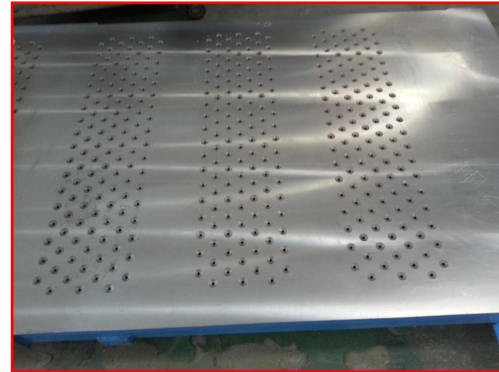
CH525 CONTROLLER

OPTION DEVICE:

Air jet blower for sanding belt cleaning.

Vacuum feed table.

Customer other's request according to the fact.



PACKAGE :

Polythene sav vacuum sealed + containerization



GENERAL SALES CONDITION:

Delivery of goods

FOB Qingdao China

Delivery date

Within 30 days from receipt of down payment.

Installation & machine start –up.

Not included in the machine price.

All specifications, dimensions and construction shown in this file are subject to change without prior notice.