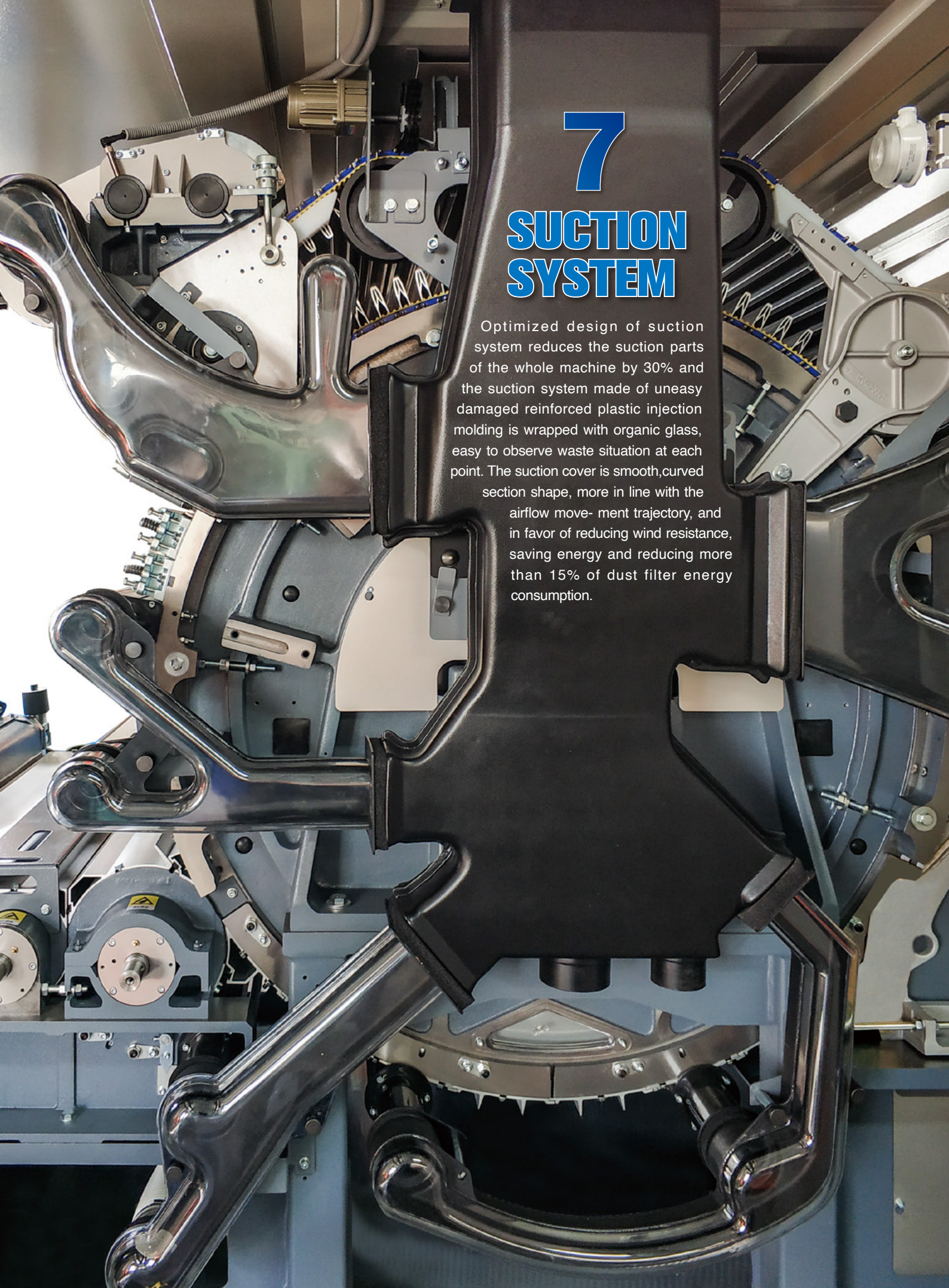




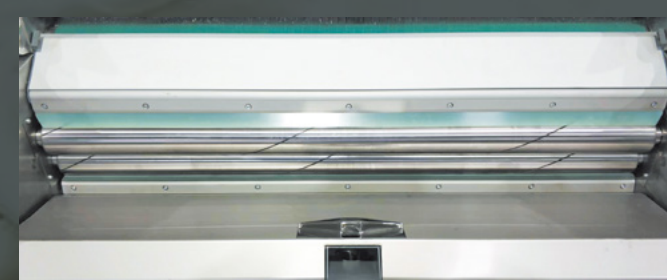
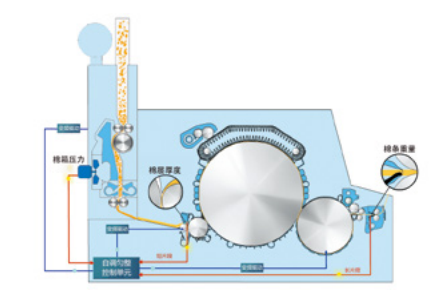
7 SUCTION SYSTEM

Optimized design of suction system reduces the suction parts of the whole machine by 30% and the suction system made of uneasy damaged reinforced plastic injection molding is wrapped with organic glass, easy to observe waste situation at each point. The suction cover is smooth, curved section shape, more in line with the airflow movement trajectory, and in favor of reducing wind resistance, saving energy and reducing more than 15% of dust filter energy consumption.

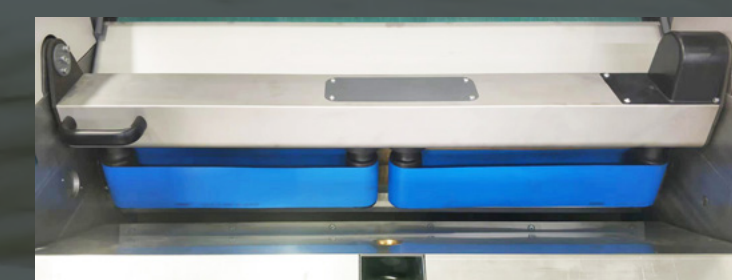


8 MULTIDIMENSIONAL AUTOLEVELING SYSTEM

Multidimensional autoleveling system and intelligent closed-loop control technology can detect on line history data such as slivers, layers and tuft feeder pressure, adjust the speed of feed roller by means of optimized multivariate control model, realize complex precision control and greatly improve card sliver evenness.



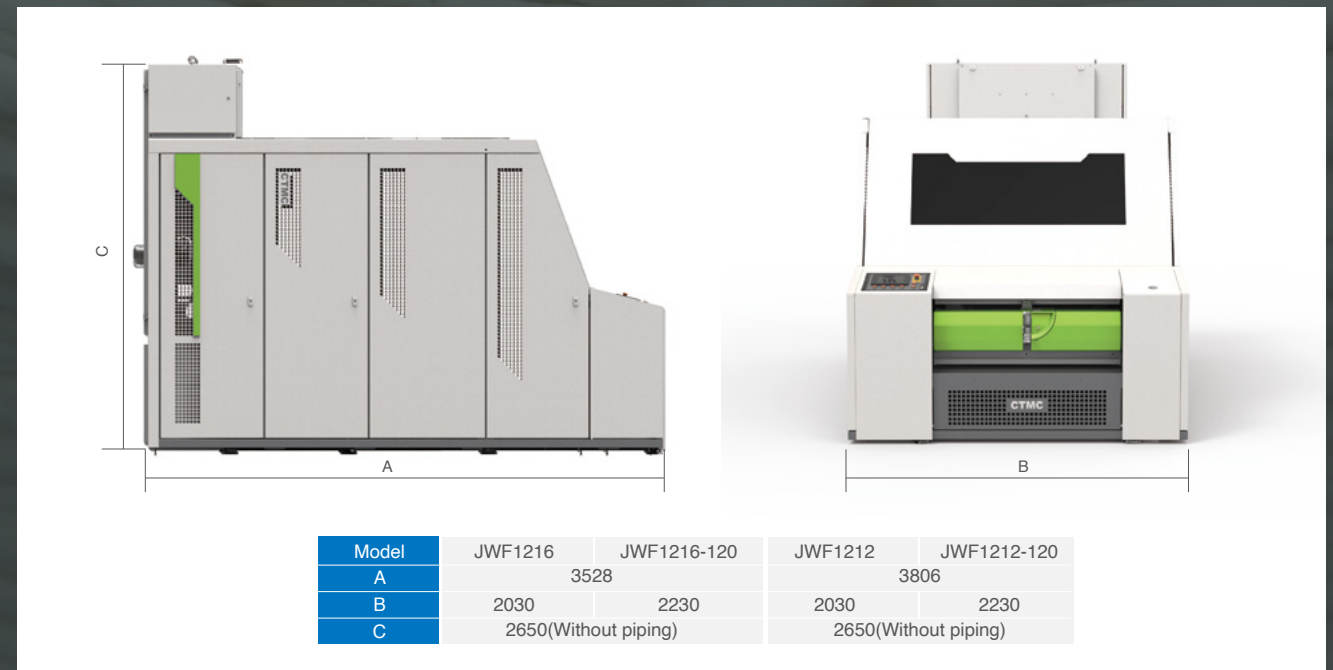
Cotton bundle and sliver structure



Apron guide cotton sliver structure *Optional*

Through new design, the new apron guide device completely integrated into the integrated design of the carding machine. The cotton guide mechanism is easy to overturn and maintain, and the guide roller is specially designed and adapted to high-speed operation without winding or plugging fibers. It can adapt to the high-speed production needs of various raw materials, and be selected according to the customer's raw materials and spinning needs.

SCHEMATIC DIAGRAM OF DIMENSIONS



SPECIFICATIONS

Model	JWF1216		JWF1212	
lick-in form	Single lick-in		Three lick-in	
Cylinder width(mm)	1020	1220	1020	1220
Sliver delivery ration (g/m)	4~10			
Max speed of sliver delivery(m/min)	340		360	
Total number of revolving flats	84			
Number of working flats	30			
Speed of revolving flats(mm/min)	96~400			
Number of stationary flats	10 in front and 8 at rear			
Web cleaner	2 in front and 3 at rear			
Permanent suction air capacity (m³/ h)	3800	3600	4000	4800
Permanent suction negative pressure(Pa)	-850			
Compressed air consume (Nl/h)	50			
Installed power (kW)	14.6		15	
Weight(Include tuft feeder)(Kg)	6000	6800	6500	7500

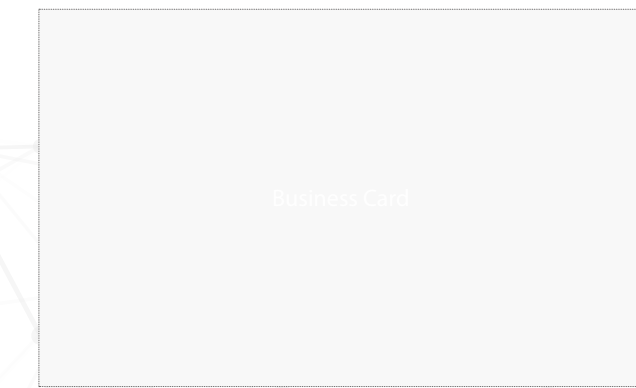


JWF1216 Carding Machine



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JWF1212/1216

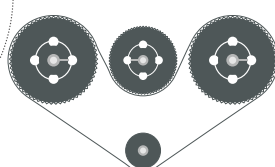


Realized larger carding area

Wider carding width and less space occupation

the product quality and production capacity can achieve optimal balance

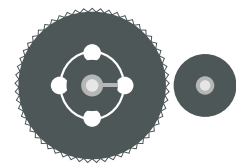
JWF1212 Series Carding Machine



Three Licker-in

JWF1212 series Three lick-in card is mainly for rotor spinning, vortex spinning, carded ring spinning and combed ring spinning.

JWF1216 Series Carding Machine

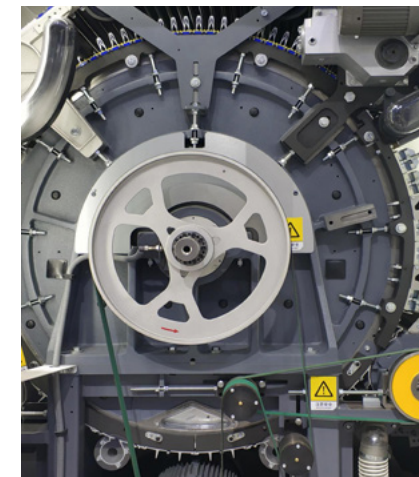


Single Licker-in

JWF1216 series Single lick-in card is mainly for carded ring spinning, combed ring spinning and also rotor spinning.

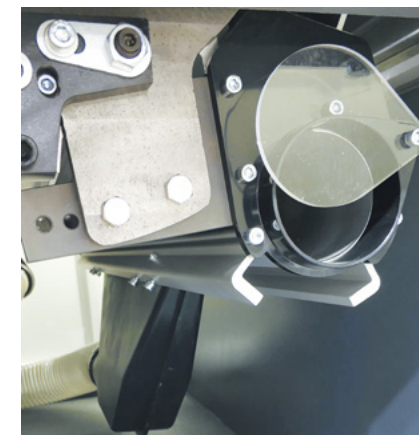
1 INTEGRAL SHEET STEEL CONSTRUCTION

- The cylinder body, doffer body and frame are made of high-quality steel plates and welded automatically by professional industrial robots, which ensures the consistency and stability of the equipment at the greatest extent.
- Steel plate rolling technology has been used for cylinders body and doffers body many years which can ensure the high quality and high precision of cylinders and doffers.
- The cylinder is controlled by a special customized special frequency inverter drive device.

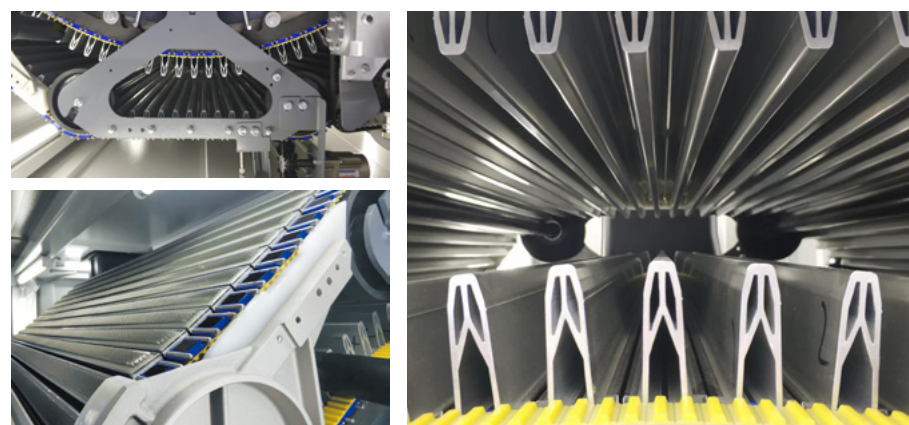


2 THE FIRST SUCTION HOOD OF THE LICK-IN

Around lick-in there are mote-knife, carding plate and permanent suction hood, which the first suction hood adopts the patented technology of intermediate suction structure. The length of the first impurity falling zone can be adjusted steplessly, thus effectively removing impurities and saving more than 20% energy consumption for dust filtration



3 ALUMINUM ALLOY REVOLVING FLAT



- There are 84 revolving flats in the form of aluminum alloy keels, and the driven is reverse direction of cylinder.
- Revolving flat is flat-heel structure.
- Aluminum alloy revolving flats driven by synchronous toothed belt and controlled by individual motor with inverter, and the speed is adjusted steplessly.

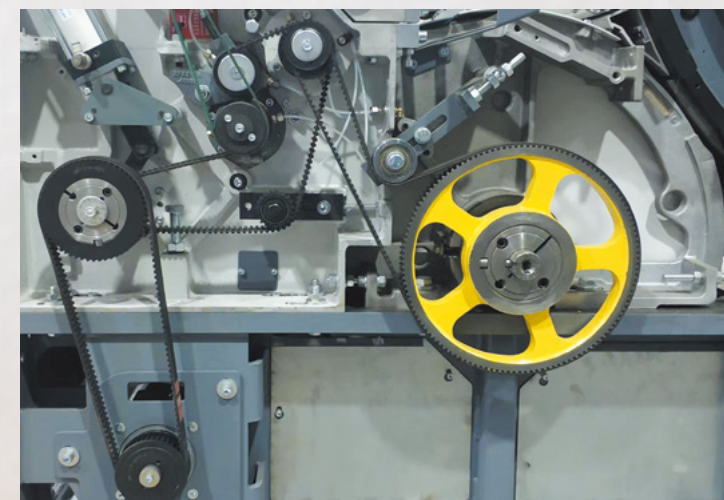
4 ALUMINUM ALLOY TWIN-LINKED STATIONARY FLATS



- The front and rear carding areas of the cylinder are equipped with aluminum alloy twin-linked stationary flats, aluminum alloy universal suction hood and universal cover plate.
- The universal interchange ability is considered when design, so it has strong spinning suitable and can be various combined according to the requirements of spinning raw materials and technology.
- Combined twin-linked stationary flats adopt increasing density with good rigidity and high levelness of pin tip can ensure carding fiber more thorough and fine.
- Aluminum alloy suction hoods can effectively remove impurities such as dust particles and seed coat fragments etc..
- Suction hoods under cylinder can facilitate flow balancing and web transferring more successfully.

5 IN TRI-ROLLER STRIPPER

- The inclined tri-roller stripper device is adopted, and a smooth aluminum alloy arc web supporting plate is installed under the stripper roller to stabilize the airflow, protect the web and adapt to high speed.
- The position of the lower squeezing roller is tilted backward and fixed, and the air cylinder automatically controls the turnover sliver former according to the production situation.



6 ELECTRICAL CONTROL SYSTEM



- Electrical control system adopts control methods of combination with industrial man-computer interface, PLC and autoleveller in order to complete all kinds of precise control actions.
- Feed in tuft feeder is adjusted by inverter to ensure stable pressure in lower trunk.
- Feed in card with doffer and large calendar roll are driven synchronously by inverter motor in favor of high speed and high production.