





MINI SPEC-60 EXCAVATOR

- The pre-heating system for easy start in cold weather
- Cabin in FOPS & RROPS Standard
- The steel structure designed for hard working conditions
- Additional hydraulic circuit for hammer and other tools
- Beautiful, comfortable and ergonomic cabin
- Efficient hydraulic with variable pump



- Accessibility higher maneuver power of mini-excavator allows the excavator to enter in narrow spaces.
- **Ease in use** teaching operators to work with this system takes only a few minutes.
- Less noise especially when passing hard surfaces, ideal for residential neighborhoods
- Less damages the light weight of the machine means less scrapping and scratches of the surface.
- Easy transportation It can be loaded with a small trailer truck.
- Function like a large excavator including a full 360-degree rotation without displacement.
- Cost saving lower investment and higher output- less expensive maintenance and services





User Friendly

Easy operation, unique and unmatchable safety and comfort improves the driver-operator's performance. In addition, the user-friendly nature controls and the hydraulic performance makes SP EC- 60 very efficient in any working conditions.



Comfort

A cabin equipped with ventilation system, adjustable wrist rest and suspending seat create a comfortable space for long time of work.

Easy operation

Working with hydraulic controls is very easy and the LCD monitor has made the system adjustment and tuning very simple.

High output- mini-design

Increasing the productivity by multi-purpose performance helps a high efficiency work.

Safety in work

Your safety is our top priority, the SP- EC-60 cabin is designed in a way to keep you safe during the work. The very highly efficient lights and the seat with foldable safety belt are just a few of the safety features of this system.

Easy service in shortest time

The repair and maintenance in SP EC-60 is performed easily and rapidly.

All places for check, service and maintenance are easily accessible from ground.

Unique support

We are here for you to help you achieve the goal of your business. Snow Pars is prepared to assist you from providing you with the practical solutions to training the operator to service and maintenance of the machine, supply of parts and beyond it.





The engine of Hydromac excavators is specifically designed for mini excavators. The engines have turbochargers with EU StageIIIA pollution standards. High efficiency and output, long life and reliability of the engine in all working conditions have led to its high acceptance rate and popularity in

many markets. SNOW PARS Chassis The chassis of the mini excavator is designed for working in difficult conditions. The X-shaped main frame of the chassis shows high resistance against bending forces and the vibration-caused stress; as its homogenous structure distributes the pressures on it fairly well and neutralize the forces. The lower rollicks (rollers) are fixed on the hexagon joints in lower chassis which increases the resistance and length of the chassis life. The standard chassis maximizes the machine balance during its work. The upper rollicks, the lower rollicks and the front idlers are suitable to work in all types of lands and are sealed for lifetime by permanent seals. The under pins and sleeves are greased, lubricated and sealed to reduce the chain noise and increase the life of undercarriage parts. The three-gear 600 mm pads are self-cleaning.

Cabin

The cabin is designed in a way that allows operator work easily even in the most difficult conditions. The opening front glass window has been designed to create an excellent view for the operator. It can be easily opened by sliding it towards the roof. Other facilities for increasing the operator's comfort and ease include the seat and a front consul. The standard seat of the excavator can be adjusted in various positions and makes it possible for the operator to work for long hours with high performance and efficiency without becoming tired.

To maintain the operator, his seat is equipped with safety belt. The impacts of excessive noise, the impacts, vibration of the machine and shakes caused by tools such as hammer are controlled and restricted. In addition, an excellent ventilation system is fixed in the cabin which creates a suitable working environment for the

operator.

A digital LCD monitor which shows the images even in harsh sunshine light makes it possible to check all important information rapidly for optimized performance of the machine.

- Working hours
- Controlling the engine rotation
- Temperature of engine water
- Temperature of hydraulic oil
- Hydraulic pressure
- Working with menus
- The remaining period to next service and maintenance work
- Code of performance errors
- Controlling the equipment installed

on hammer circuit



Smart and safe hydraulic system

- Easy control
- High efficiency
- Constant control of power generation depending on the amount of the load
- Highest operation possible in all working conditions
- Re-use of the return flow from the tools in the main control valve

Hydraulic pump

By using a twin pump, piston-center variable discharge system has maximized the performance of the system and the life length of hydraulic pump. The hydraulic pump and the system engine are fully compatible with each other to ensure the consistency of the power generated by the engine and the power needed by the pump in facing different loads and thus, there will be no interruption in the engine performance.

Main control valve

The main control valve guarantees the smooth and vibration free of components in all combined movements. The operator can focus on his work since the prioritization of the boom, stick and rotator is automatically done by the main control valve. The returning currents of jacks without entering into the hydraulic tank are re-sent by main control valve to be used for other hydraulic use and in this way, not only the hydraulic improves, but the speed of machine function increases as well.

Hydro motor and gearbox

The motion of the chain excavators of the two-phase hydro motor along with the connected reducer gearbox gives the operator the choice of selecting two types of motion:

- Moving with high moment and low speed (turtle speed)
- Moving with low moment and high speed (rabbit speed)

SPEC-60

Capacities	
Gasoline tank	95 Liter
Hydraulic tank	115 Liter
Hydraulic system capacity	130 Liter
Radiator	15 Liter
Motor oil	12 Liter
Rotating gearbox	1.2 Liter
Motion gearbox	2 x 2 Liter
Control system	
Number of pads	39 in each side
Number of upper rollicks	1 in each side
Number of lower rollicks	5 in each side
Electric system	
System voltage	24 volt
Battery capacity	12 V 85 Ah
Dynamo	DC 12 V / 40 A
IStart	DC 12 V (1.7 Kw)
Bucket efficiency	
Standard bucket capacity	0/25 m ³
Drilling force of the bucket	40KN
Drilling force of the arm	28KN
Work load	
Weight (with standard facilities)	6065 kg

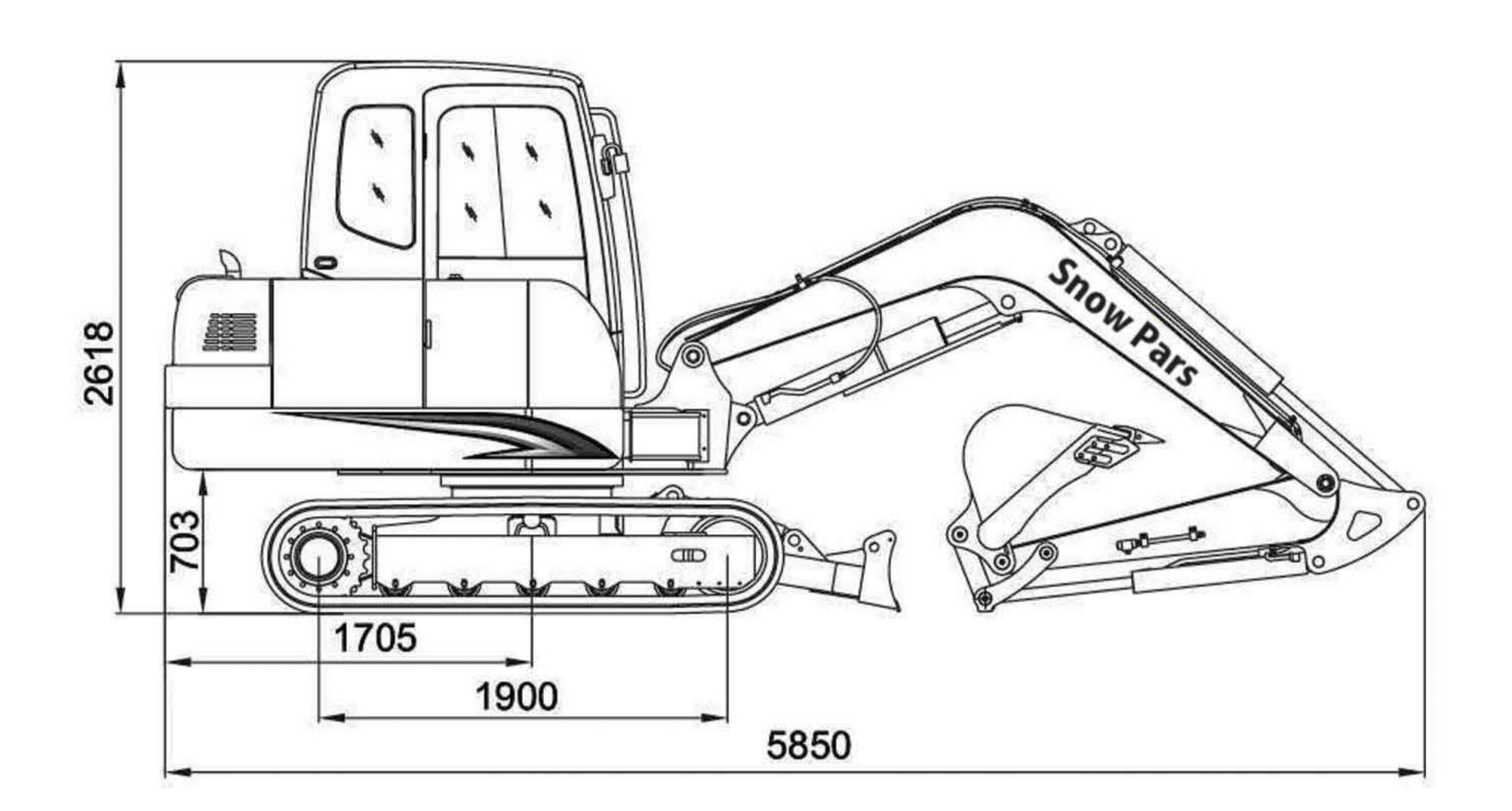
Engine		
Manufacturing		YANMAR
Number of cylinders	S	4
Inner diameter of cylinde	er and piston cours	e 110×98
Engine power	58/6 I	Нр (44KW)
Maximum momentum	250 N/m per	r 1200 rpm
Volume of engine ca	arry	3/319 Ltr
Diameter x cylinder	piston course	98 x 110 mm
Pollution standard		Euro IIIA
- Pre-heater for start in cold weather		
Hydraulic system		
Main pump Axial	piston pump with varia	ble replacement

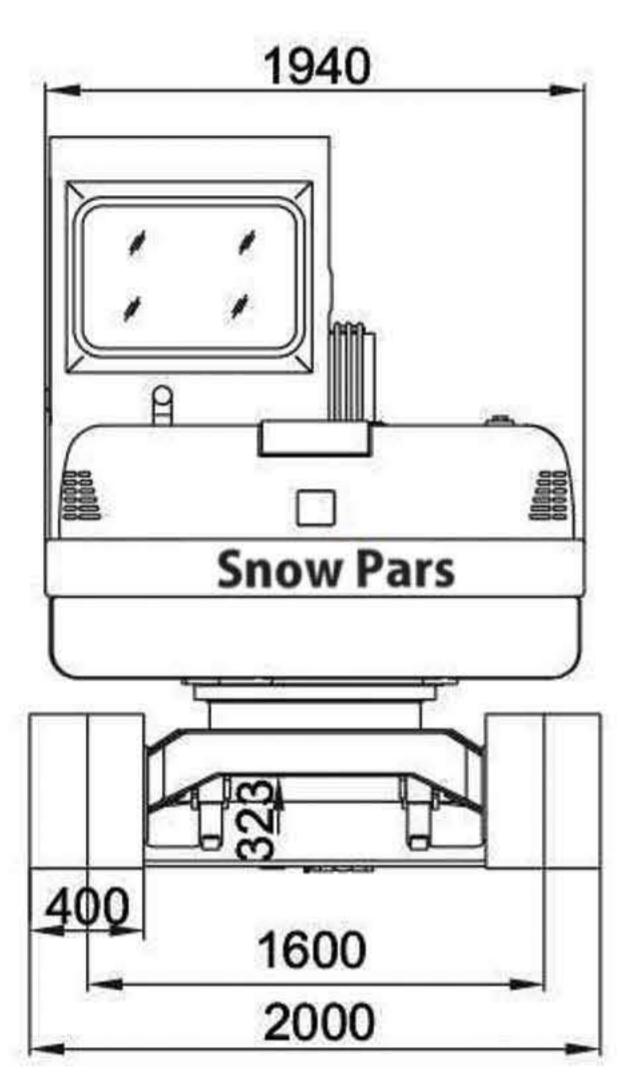
	Main pump Axial piston pump with variable replacement		
	Discharge rate of mai	n pump	156.2 Lt. per minute
	Work pressure of h	ydraulic system	245 Bar
	Work pressure c	of jacks	275kgf/cm ²
	Work pressure of m	noving system	255kgf/cm ²
	Work pressure of ro	otating system	219kgf/cm ²
	The High flow S	ystems	Available
-Shock absorber valves Oil coolant radiator to			
	ensure uninterrupted work in hot weather.		

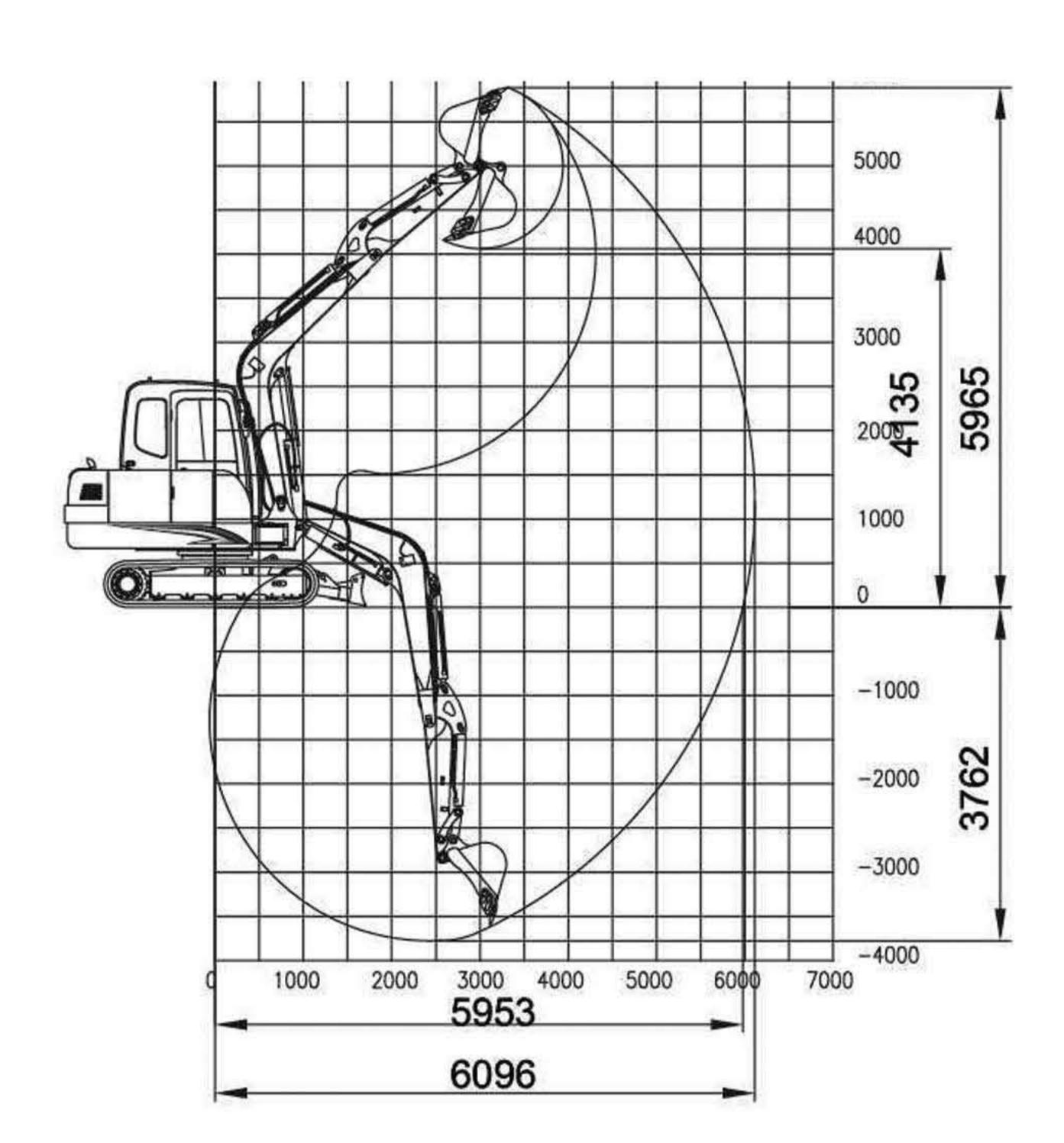
Motion hydro motor	Axial piston hydro motor
Reductive system	Available
Maximum speed	5-5/2Km/h
Maximum slope angle l	before (70%) 35°
Maximum drag force	3/58KN

Motion system

Motion System	
Rotating hydro motor	Axial piston hydro motor
Maximum rotation speed	11rpm
Reductive system	Available
Rotating brake	Available
Land pressure	32Kpa







General dimensions	
Dimensions of the boom (tower)	3000mm
Dimension of stick (arm)	1550mm
A Total length	5842mm
B General height (to the end of arm)	4070mm
C General width	2000mm
D- The distance center to the center of Idler and Sprocket	1900mm
E - The distance of end of the ball to the center of chassis rotator	1700mm
F- Distance of upper chassis to the ground level	703mm
G- Height of chain	580mm
H- Least free distance to land floor	323mm
I-Distance of the center to the chain center	1600mm
Width of pad	400mm
J-Total length of the chain	5370mm
K-Least distance of the bucket pin to the end of chain	3545mm
L-General height (to the top of cabin)	2618mm
M-Width of upper chassis	1940mm

Work dimensions	
Tower (boom) dimension	3000mm
Dimension of sticks	1550mm
S-Highest drilling distance accessible	6096 mm
T-Highest drilling distance accessible on the land surface	5953 mm
U-Highest depth of excavation	3762 mm
V-Highest depth of the drilling	5965 mm
W-Highest height of load discharge	4135 mm
Y-Least radius of upper chassis rotation	2205 mm



Our business is design, develop, produce and commercialize the innovative and high-quality equipment for the road construction and development; to meet the extensive spectrum needs of our customers.

Customer is the heart of Snow Pars that pushes us forward with the technical know-how and team attitude; and in return, we contribute in developing our customer's business.

Distinguished in system Distinguished in services



Parts support

By establishing a separate organizational unit as "Spare Parts Unit" Snow Pars has focused on:

- The on-time supply of parts
- Competitive price
- Customer's satisfaction

In Snow Pars, we have a full complex of main parts for all its products with any budget available. Our goal is to ensure our customers' machines can work 24/7 in the entire 365 days of the year. The Parts Team of Snow Pars are at your service upon receiving your one call to supply you with your ordered parts at any time and any place; and support your business.

The parts order app (snowparsclub)

It is very important for your work to have available the parts in suitable time and place and it is for this reason that Snow Pars has merged its best online tools in one website and app.

After-sale-services

By its limitless after-sale-service, its well-equipped fleet with advanced facilities and professional technicians, Snow Pars is at service of its valuable customers:

- 24-hour round the clock
- Service at your place
- Standard services

The after-sale-service structure of Snow Pars is committed to show a full support of your orders including implementation, commissioning, repairs and maintenance of machines, and help you to improve the output and lower the operational costs of your machine.

The after-sale-service team knows everything about the Snow Pars machines and provides you with the best solution for your machines in the fastest time.

High satisfaction of the customer

A customer-based approach has been adopted in all our executive operations to meet the customer's satisfaction in highest possible level and gain the customer's loyalty.





