BAWERS

MEDICAL EQUIPMENT

Protecting the beautiful homeland of humanity
by feeding oxygen to all life on the earth

MEDICAL OXYGEN CONCENTRATOR

PORTABLE OXYGEN CONCENTRATOR FDA



▶ Features

- Upgraded pulse flow settings 1-5, equivalent to 5 L/min of continuous oxygen flow.
- Mini size and light weight at only 1.98kgs.
- Easy-to-remove molecular sieve beds battery.
- With a strong, comfortable shoulder bag.
- With rechargeable battery up to 5 hours.



▶ Application

- It is the best choice for hypoxic patients when they go out for activities, travel or have emergencies.
- It is also a perfect companion when working and traveling on the plateau above 2000 meters.

▶ Specification

MODE	Pulse dose delivery	NET WEIGHT	1.98kgs(4.37 lbs) (include single battery)
OXYGEN FLOW	Settings:1-5	DIMENSION	183*86*199mm
OXYGEN CONCENTRATION	93%(±3%)	BATTERY	Single Battery up to 5 hours on flow setting 1

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▶ Features

- Smaller size and lighter weight at only 1.5kgs.
- Easy-to-remove external battery.
- With a strong, comfortable shoulder bag.

*With rechargable battery up to **6 hours**.*





▶ Specification

MODEL	Mini POC	NET WEIGHT	1.5kg(3.3lbs.)include single battery
OXYGEN FLOW	Pulse dose delivery Five settings1-5	DIMENSION	193*83*173mm
OXYGEN CONCENTRATION	93%±3%	BATTERY	6 hours

MEDICAL OXYGEN CONCENTRATOR

PORTABLE OXYGEN CONCENTRATOR



▶ Features

- The price more economic than pulse POC.
- The SpO2 of patients can be increased from 92% to 96% within half an hour.
- The oxygen flow more efficient than the portable pulse with 5 settings, and the SpO2 can be increased from 77% to 92~97% within half an hour on the plateau.
- Very suitable for use at plateaus above 3,600 meters, it is an ideal oxygen supplement model.



Two oxygen supply model for your option:

- Option one: Continuous flow 1-7L
- Option two: Pulse dose & Continuous flow 1L

▶ Specification

MODEL	B-1
FLOW RATE	Option 1: Continuous flow 1-7L Option 2: Pulse dose (equivalent to 5LPM) & Continuous flow 1L
OXYGEN CONCENTRATION	Option 1: 93%-30% Option 2: 93%±3%
OUTLET PRESSURE	6-10Psi
NET WEIGHT	6kgs
DIMENSION	220*280*310mm
OPTIONAL ACCESSORIES	Multiple power supplies:AC & DC available for in car and battery outdoors.

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▶ Features

- Compact design,light weight easy to carry.
- Easy to read LCD display and control.
- Two oxygen modes of JAY-3EW for your option:
  Option one: 1-3L continuous flow
  Option two: 1-3 continuous flow & pulse flow setting (equivalent to 9LPM)
- Widely apply in home care,such as the patient with heart disease,heart failure,arteriosclerosis, etc



▶ Specification

MODEL	2LPM ★design for infants	JAY-3EW	JAY-3AW
FLOW RATE	0.125-2L	0.5-3L	0.5-3L
OXYGEN CONCENTRATION	93%(±3%)	93%(±3%)	93%(±3%)
OUTLET PRESSURE	6-10Psi	6-10Psi	6-10Psi
NET WEIGHT	10kgs	12kgs	15kgs
DIMENSION	215*335*450mm	215*335*450mm	348*280*510mm

STATIONARY OXYGEN CONCENTRATOR

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Features

- Innovative cooling technology to ensure 24/7/365 operation.
- Humidifier bottle with a pressure relief valve of 6PSI,safer and more comfortable.
- Simple operation functions and easy-to read 7.8″ LCD display.
- Low power consumption, energy and electricity saving.
- 5HW can provide medical grade oxygen and automatically adapting to different altitude level.★








Specification

JAY-5AW	JAY-5BW	JAY-5DW	JAY-5HW	JAY-10	JAY-10FW
0.5-5L	0.5-5L	0.5-5L	0.5-5L	0.5-10L	0.5-10L
6-10Psi	6-10Psi	6-10Psi	6-10Psi	6-10Psi/20Psi	6-10Psi/20Psi
93%(±3%)	93%(±3%)	93%(±3%)	93%(±3%)	93%(±3%)	93%(±3%)
≤40dB	≤38dB	≤40dB	≤38dB	≤50dB	≤46dB
≤350W	≤300W	≤280W	≤350W	≤880W	≤710W
Power failure alarm, high / low pressure alarm, low oxygen concentration alarm	Power failure alarm, high / low pressure alarm, low oxygen concentration alarm	Power failure alarm, high / low pressure alarm, low oxygen concentration alarm	**Configuration A:** Oxygen concentration on-site display, Low flow alarm. **Configuration B:** Configuration A + remote control function, voice broadcast, altitude, SpO2, temperature. **Configuration C:** Configuration A + B + humidity, high / low pressure alarm, start failure alarm, low voltage alarm.	Power failure alarm, high / low pressure alarm, low oxygen concentration alarm	Power failure alarm, high / low pressure alarm, low oxygen concentration alarm
348*280*510mm	370*275*620mm	355*245*595mm	380*285*590mm	360*375*600mm	385*350*600mm

OXYGEN GENERATING SYSTEM

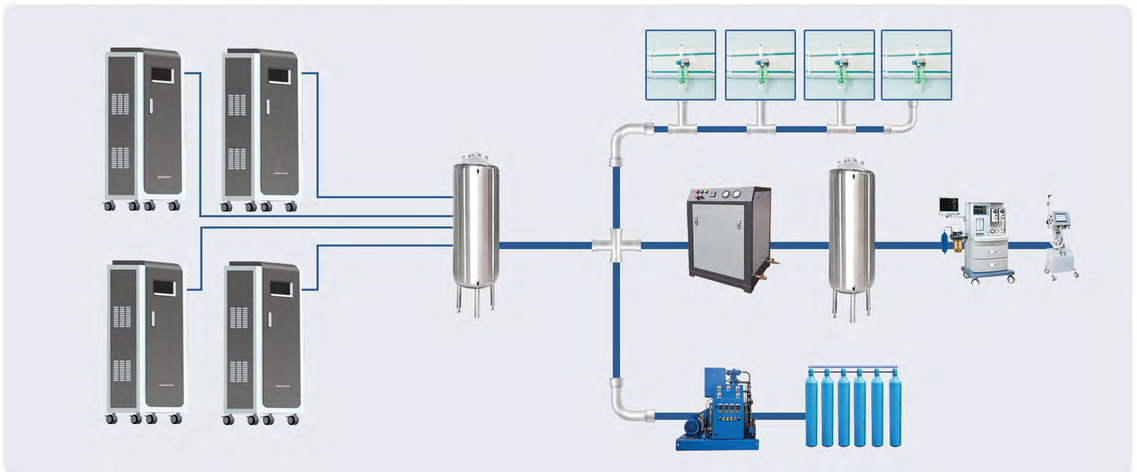
Longfian innovative oxygen generating system is designed for hospitals and clinics with 5-100 beds. The system includes PSA oxygen generator, buffer tank, booster pump, high pressure oxygen compressor, etc. It represents a higher medical standard and true sense of innovation.

▶ Features

- It can be installed anywhere without site requirements.
- Low noise, it can be used in ICU and operation rooms.
- It offers an economic,reliable and safe alternative to traditional oxygen system.
- The design is made for 24/7 operation.
- It is equipped with automatic start&stop function,enabling the system to start and stop automatically.

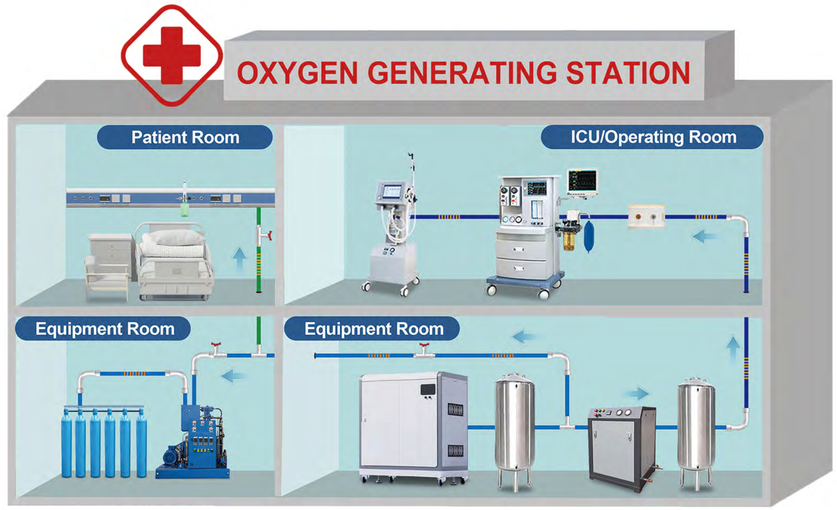
▶ Application

- For hospital with 5-100 beds.
- For anaesthesia machine and ventilator in operating room and ICU.
- For high pressure cylinder filling plant.



▶ Specification

MODEL	JAY-15	JAY-20	JAY-30	JAY-40	JAY-60
FLOW RATE	1-15L	1-20L	1-30L	1-40L	1-60L
SOUND LEVEL	43dB	48dB	58dB	58dB	60dB
POWER CONSUMPTION	600W	1200W	1650W	2200W	3300W
NET WEIGHT	90kgs	95kgs	140kgs	160kgs	245kgs
DIMENSION	530*440*780mm	530*440*1380mm	760*540*1380mm	760*540*1380mm	760*540*1980mm
OXYGEN CONCENTRATION	93%(±3%)				
OUTLET PRESSURE	6-10Psi/20Psi/60Psi				
ALARMS	Power failure alarm;high/low pressure alarm;low oxygen concentration alarm				



HIGH PRESSURE OXYGEN CONCENTRATOR

▶ Application

- Connected with ventilator and anaesthesia machine at ICU & operating room.
- Connected with hyperbaric oxygen chamber.

▶ Features

- Thomas compressor.
- High efficiency three-tower adsorption system more durable.
- Pressure gauge on site to adjust flexibly if necessary.
- Small and compact, easy to move for any emergency.
- Automatic dehydrator/refrigerated air dryer.
- Optional:Auto off at 4bar,Auto on at 3bar.

MODEL	JAY-10-4.0	JAY-20-4.0
FLOW RATE	1-10L	1-20L
OUTLET PRESSURE	60Psi	60Psi
OXYGEN CONCENTRATION	93%(±3%)	93%(±3%)
SOUND LEVEL	≤50dB	≤60dB
POWER CONSUMPTION	≤1250W	≤2000W
NET WEIGHT	90kgs	118kgs
DIMENSION	590*460*1300mm	957.5*500*1327mm
ALARMS	Power failure alarm,high / low pressure alarm, low oxygen concentration alarm	



SELF-CONTAINED OXYGEN CONCENTRATOR WITH AIR VACUUM

		JAY-2A	
GENERAL	Model	Type 20	Type 50
	Dimension	800*440*660mm	720*630*740mm
	Weight	110kgs	120kgs
POWER SUPPLY	Mains	220V AC,50/60 Hz	220V AC,50/60 Hz
	Power consumption	1200W	1600W
	Switch-on current	7.0 A	7.0 A
OUTPUT DATA	output pressure	60Psi	50Psi
	Oxygen flow	Max. 10 l/m	Max. 10 l/m
	Compressor air flow	Max. 20l/m	Max. 50 l/m
	Oxygen concentration	93%±3%	93%±3%
	Vacuum	0... -0.7 bar	0... -0.7 bar
	Niose level	≤60 dB	≤60 dB
MONITORING	Pressure gauge	AIR,O2,VAC	AIR,O2,VAC
SUPERVISION	Alarms Visual,audible	Low purity, High temperature, High&low pressure, Power failure	Low purity, High temperature, High&low pressure, Power failure

▶ Features

- Thomas compressor.
- 4 bar pressure compatible with ventilator or anaesthesia machine.
- PSA technology - convenient and economical.
- Born for ICU and operating room.
- Medical air,Vacuum and Oxygen in one unit.









HYPERBARIC OXYGEN THERAPY

▶ Features

- Users can choose 60 mins, 90 mins, or 120 mins of working time according to their needs, which is convenient to use.
- The oxygen concentration in the chamber is controlled within 25%, ensuring the safety of users.
- The display screen of the O_2&Air&Air Dryer three in one machine can display the oxygen concentration, temperature, humidity, and pressure in the chamber.



▶ Specification

Oxygen Concentrator	Type	O_2&Air in one	O_2&Air&Air Dryer three in one
	O_2&Air flowrate	5L/min&60L/min(20Psi)	10L/min&100L/min(20Psi)
	Air&O_2 automatic control system	Pressurize the chamber by air at 120L/min within 6 mins; booster mixed 93%±3% oxygen at 5L/min and air 60L/min automatically after 6 mins	Pressurize the chamber by mixed 93%±3% oxygen at 10L/min and air 100L/min
	Cooling system	Fan&Cooler	Air dryer
	Chamber capsule full-filled time	10mins	8mins
Soft & Hard Chamber	Type	Soft (Sitting/Lying)	Hard
	Available pressure	1.3ATA/1.4ATA/1.5ATA	
	Size	1600*650*1200mm/2100*850*202mm	L2100*W1200*H1630

EXERCISE WITH OXYGEN THERAPY

Exercise With Oxygen Therapy (EWOT) is the act of breathing high concentration of oxygen during exercise.

▶ Features

- Increasing oxygenation of tissues and cells.
- Stimulating Immune System and Metabolism.
- Improved sleep quality and anti-aging.
- Enhancing athletic performance.
- Prevents diseases such as cancer, macular degeneration, diabetes, fibromyalgia and etc.
- Promotes metabolism for weight loss.

▶ Application

- Cancer patients
- Patient with chronic illnesses like diabetes / hypertension / poor blood circulation or cardiac disease
- High stress group - who have sleep disorders or stress issues
- Athletes
- Individuals who are interested in anti-aging / disease prevention





Hose & Mask Kit



1000L Reservior

HOME OXYGENARATION SYSTEM



Home oxygenation system is an oxygen control equipment to simulate sea-level. By adding higher oxygen concentration of oxygen into the tent or the room,we can bring any high altitude space back down to sea-level. This system can convert literally any size space to a high oxygen, seal-level environment. We can provide multiplle control panels so that each room can be independently controlled.

▶ Features

- Easy to install and can be installed indoors, which can quickly increase the user's SpO_2
- Low noise helps improve sleep quality and can be used indoors.
- Intelligent terminal & large screen display can monitor temperature, humidity and sea level.
- Low power consumption and energy saving.

▶ Application

- WHO CAN BENEFIT: This system is ideal for residents who live in plateau area or those with high altitude country homes or for hotels and resorts that cater to sea-level residents coming to high altitudes for skiing and other adventures.
- WHAT SPACES: For bedrooms, offices at hotels, resorts, military camp, government, schools in plateau area and some refined spaces such as sauna rooms in plain area.
- COUNTRIES AND REGIONS: Peru, Chile, Bolivia, Venezuela, Colombia, Ecuador, Mexico, Argentina, Ethiopia, Armenia and various border zones in highland areas such as the Sino-India border plateau.

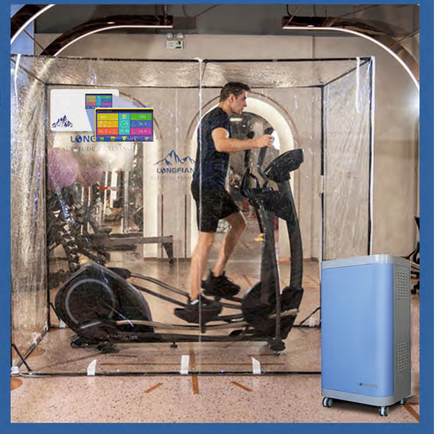
MODEL	JAY-10M	JAY-20M	JAY-40M	JAY-60M
FLOW RATE	0-10L	0-20L	0-40L	0-60L
OXYGEN CONCENTRATION	93%±3%	93%(±3%)	93%±3%	93%±3%
SOUND LEVEL	≤43db	≤48db	≤58db	≤60db
POWER CONSUMPTION	≤600W	≤1200W	≤2200W	≤3000W
DIMENSION	530*440*780mm	530*440*1380mm	760*540*1380mm	760*540*19600mm
NET WEIGHT			160kgs	245kgs
OUTLET PRESSURE	6-10Psi/20Psi			
ALARMS	Power failure alarm;high/low pressure alarm			

SIMULATED ALTITUDE TRAINING HYPOXIC GENERATOR

High-altitude training, also known as hypoxia training, is a training regimen that focuses on improving athletic performance and physical fitness.
Hypoxic generator is used to simulate oxygen concentration at altitude up to 6,500m above sea level. Athletes and mountaineers simulate the plateau environment for training anywhere. It helps them adapt to the high altitude better. Hypoxia treatment also plays an important role in numerous medical applications.

▶ Features

- Hypoxic purity 9%-20.9% to simulate different elevation heights.
- With both hypoxic outlet and oxygen outlet for different demands.
- Continuous operation 24/7.
- One terminal can monitor and control the sea level, temperature and humidity of multiple rooms, which is more convenient and efficient.



▶ Application

- For sports center / gym / home: improve athletes performance.
- For mountaineers: adapt to high altitude environment, relieve altitude sickness.
- For military: survival training for high altitude environment.
- For health care and medical: adjuvant therapy for diabetes, asthma, lung illnesses, heart and vascular diseases, spinal cord and other injuries.

▶ Specification

MODEL	JAY-10H	JAY-20H	JAY-40H	JAY-60H
HYPOXIC FLOW	100LPM	200LPM	400LPM	600LPM
HYPOXIC CONCENTRATION	9%-20.9%	9%-20.9%	9%-20.9%	9%-20.9%
OUTLET PRESSURE	6-10Psi	6-10Psi	6-10Psi	6-10Psi
OXYGEN CONCENTRATION	93%(±3%)	93%(±3%)	93%(±3%)	93%(±3%)
SIMULATED ALTITUDE	0-6500m(0-21330ft)	0-6500m(0-21330ft)	0-6500m(0-21330ft)	0-6500m(0-21330ft)
SOUND LEVEL	≤50dB	≤55dB	≤58dB	≤60dB
POWER CONSUMPTION	≤550W	≤1100W	≤2200W	≤3300W
ALARMS	Power failure alarm, high / low pressure alarm	Power failure alarm, high / low pressure alarm	Power failure alarm, high / low pressure alarm	Power failure alarm, high / low pressure alarm
NET WEIGHT	27kgs	95kgs	160kgs	245kgs
DIMENSION	365*375*600mm	600*400*1380mm	760*540*1380mm	760*540*1960mm
OPTIONAL	1.Pulse oximeter 2.Monitor system	1.Pulse oximeter 2.Monitor system	1.Pulse oximeter 2.Monitor system	1.Pulse oximeter 2.Monitor system

- Optional accessories



Training Tent



Tubing & Mask & Reservoir Bag



Sleeping Tent

INDUSTRIAL OXYGEN CONCENTRATOR















- **Welding and cutting**

Oxygen is now considered to be one of welding industry's raw materials, and which is essential for all forms of combustion.

- **Glass blowing**

Oxygen is always used as the mixing gas in scientific glassblowing. To generate oxygen for torch work and glass blowing.

- **Aquaculture**

In aquaculture, oxygen is diffused into water to increase stocking density and production yields. Consistently higher dissolved oxygen levels result in lower mortality and higher food conversion rates, minimized fish mortality from decreased disease rates and fish stress, pumping cost savings due to reduced water re-circulation.

- **Sewage treatment**

Fill the sewage with pure oxygen, increase the respiration of aerobic microorganisms in the water, and prevent the reproduction of anaerobic microorganisms, thereby purifying the sewage.

- **Oxygen source for ozone generator**

Ozone is a powerful disinfectant and bleach with the advantage that it does not leave chemical residues, and is less harmful to people and the environment.Therefore, ozone is often used in the prevention and control of diseases and pests in agricultural, the disinfection of fishing boats, swimming pools, etc., the washing and disinfection of clothes in industrial laundry, etc.

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VETERINARY OXYGEN SOLUTIONS

▶ 5~10LPM oxygen concentrator provides continuous oxygen source

The four-step filter can effectively block animal hair, making it safer and cleaner to use.



ICU Cage

Type	Size	Applicable animal weight
Small	45*33*33CM	≤2.5KG
Medium	60*45*45CM	≤12KG
Large	110*66*66CM	≤35KG





Anaesthesia Machine

▶ 20~60LPM PSA oxygen provide pipe oxygen as one-stop solution for veterinary hospitals





▶10L~20LPM 4Bar oxygen concentrator for ventilator and pressured anaesthesia machine (large animal)





Buffer Tank



Anaesthesia Machine

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For ICU Chamber



For Anaesthesia Machine



For Cage

OXYGEN CONCENTRATOR RELATED PRODUCTS

▶ Flow Splitter

A device distributes medical oxygen from a source to multiple independent outlets to provide oxygen for the adults or children. It can be connected to the oxygen concentrator with the outlet pressure as shown in the following table. Place it on table or wall mounting horizontally.







MODEL	JAY-500	ACCURACY	±5%
DIMENSION	381*114*166mm	INLET PRESSURE	7Psi / 20Psi
WEIGHT	2.5kgs	OUTLETS	2/3/4/5 or customization
OPERATING TEMPERATURE	5℃ to 40℃	FLOWMETERS	2L/5L or customization
STORAGE TEMPERATURE	-1℃ to 60℃	OPTIONAL	Humidifier bottle

▶ Oxygen Analyzer

Designed to measure oxygen concentration, oxygen flow and outlet pressure for PSA oxygen concentrator.

▶ Features

●The oxygen analyzer measures oxygen concentration flow using ultrasound technology. It has the characteristics of high accuracy, strong anti-interference ability, rapid response, long-term stability, no need for regular adjustment, and long lifespan

●The pressure test adopts imported modules with high accuracy.





▶ Specification

MODEL	JAY-120	PRESSURE DETECTION RANGE	0-21Psi
OPERATING VOLTAGE	DC 9V	PRESSURE DETECTION ACCURACY	±1Psi
FLOW DETECTION RANGE	0-10 L/min	DIMENSION	185*80*31mm
FLOW DETECTION ACCURACY	±0.2 L/min	OPERATING TEMPERATURE	5℃-55℃
OXYGEN CONCENTRATION DETECTION RANGE	RANGE（V/V）21.0-96.0 %	STORAGE TEMPERATURE	-5℃-65℃
OXYGEN CONCENTRATION DETECTION ACCURACY	±2%	RELATIVE HUMIDITY	5~85%RH

OXYGEN CONCENTRATOR RELATED PRODUCTS

▶ Firebreak Valve

With firebreak valve, you don't have to worry about the oxygen leak anymore.
It can be used with all types of oxygen sources and designed to protect against oxygen tubing fires and keep patients safe.





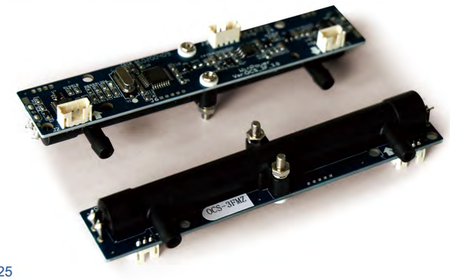
Connect the firebreak vavle with humidifier



Connect the firebreak vavle with the christmas connector.

▶ Oxygen Sensor

Oxygen sensor is aimed for oxygen concentration and flow rate monitor.
It adopts ultrasonic technology with high accuracy, strong anti-interference ability, rapid response, and long service life features.



MODEL	JAY-110A	MAX PRESSURE	150KPA
OUTPUT	USRT port support purity signal output	FLOW RESOLUTION	0.1L/min
POWER	DC5V-12V	FLOW DETECTION ACCURACY	±0.2L/min or readings 5% (Max)
PURITY DETECTION ACCURACY	±2% FS@ (5-55)℃	LED INDICATOR	Red: oxygen purity<82% Blue: oxygen purity ≥82% Yellow: flow rate <0.5L/min
MAX FLOW	10LPM		
SIZE (L X W X H)	120.5x22x22mm	WEIGHT	25g

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In the past 20 years we forge ahead and have surpassed the ordinary.

We live it to the full and have distinguished us from others.