

Farm and Industrial Machinery Consolidated Division

At Farm and Industrial Machinery Consolidated Division, we market various products such as farm machinery, construction machinery, engines and automatic vending machines, which are directly used by customers.

It is our motto to provide human-friendly and environment-friendly technologies and products, contributing to and coexist with our local society.

- In 1993, Kubota engines of 25 horsepower below became the world's first engines to pass the exhaust gas regulations in California.

We have committed to maintain our role as a leader in the industry, regarding other regulations.

Mini-excavator ([KINGLEV]series)

It is important to consider the operation noise of mini-backhoes when they are used in urban area or in the construction work at night.

Mini-excavator [KINGLEV] series were approved as the Ministry of Construction's ultra-low noise type construction machinery.

In addition, auto-idle-function-added product is available, whose engine speed becomes idling rpm automatically about 4 seconds, after operating levers are returned to the neutral position

to stop work for a while, and the engine speed returns to the original speed when the operator resumes their job. So they can operate the mini-excavator in urban area or in the construction work at night without being worried about noise. The mini-excavator is installed with the E-TVCS engine which minimize the emission of compounds such as hydro carbon (HC), carbon mono-oxide (CO), and nitrogen compound (NOx), that cause environmental pollution. And these excavators are approved as the Ministry of Construction's exhaust gas measured type construction machinery. Mini-excavator [KINGLEV] series are silent and clean products which put most importance on environment and human beings.



Ultra-small-radius circling mini-excavator "RX-303"

Executive Managing Director and General Manager of Farm and Industrial Machinery Consolidated Division

Mikio Kinoshita



We are going to develop clean engines from now on.

- We also provide environment-friendly products such as lawn mower, rice-polishing machine without water and so on.
- We create environment-friendly technologies and products willingly, promoting activities such as marking on plastic parts to make recycling easier at the wastes collection stage, reduction of numbers of parts and use of common parts for easier disassembly, and weight reduction of products.

The engines complying with exhaust gas regulations (V3300)

The off-road exhaust gas regulations are becoming strict in the world.

At Kubota, we are keenly promoting establishment of manufacturing and service system of the engines, as well as the introduction of the latest exhaust gas measurement equipment and the development of cleaner engines, prior to these regulations.

With the newest model, V3300DI (T) engine, we have adopted E-CDIS (Center Direct Injection System with 4 valves) and the peak torque external adjusting type fuel injection pump unit leading the competitors.

As a result, we have realized excellent performance in combustion with cleaner emission and compliance with the requirements of emission regulations of Japanese Ministry of Construction, U.S. EPA, and European Community to contribute to environmental conservation.



V3300 engine

Radio-controlled mower (AMX-7)

The grass cuttings on the river banks are carried out twice a year on the average, to exterminate harmful insects, to conserve beautiful sight, and to prevent dumping wastes.

The operation is very painful and dangerous to the operators, because of the forced operation on the dangerous sloping ground, and in the grass, under the blazing sun and high temperature.

At Kubota, we developed the large-sized radio-controlled mower, AMX-7, which realized the reduction of grass cutting operation cost, as well as the reduction of this pain and danger largely, in cooperation with the Hokuriku Bureau of Construction of the Ministry of Construction.

New riz-frais system (KBM-3P-45)

Rice polished waste water causes a part of water pollution.

New "riz-frais" system, and remove rice bran with the special nylon brush, namely completely dry method without using water, while other companies' system need to use water in polishing process.

In cooking process, they can boil rice with a little water, stirring them, without polishing rice. So there are no water pollutants in both polishing and cooking processes.

Since the system can remove the fat and phosphorus from the surface of rice, they can store rice for a long time, and the appearance of rice is good.



New "ris-frais" system (KBM-3P-45)



Radio-controlled mower (AMX-7)