

## New product “**SYSTEMA COMPLETE MECHA BOX**”

(**SYSTEMA INTEGRATED MECHA BOX**)

We would like to thank you very much for inquiring about our new product “**SYSTEMA COMPLETE MECHA BOX**” (**SYSTEMA INTEGRATED MECHA BOX**). The concept and performance of this product are described as follows:

### 1. **Concept**

As you know, we have developed, manufactured and sold MARUI electric gun parts. **SYSTEMA** parts are our main goods that boast the variation of 317 items now. We offer our products that our most important purpose is captured electric guns custom itself as a “hobby” as our most important purpose.

However, on the other hand, an electric gun is a gun so that some customers have a first policy to make improvements of three elements of “power”, “accuracy” and “operationally” as a gun as much as possible. In short, we can’t ignore the needs that they would like to obtain only the performance of **SYSTEMA** power easily.

In order to respond to those customers needs positively, we achieved a conclusion that general F.T.K. (Full Tune Up Kit) would not be sufficient. Now we manufactured this new product **SYSTEMA COMPLETE MECHA BOX** (**SYSTEMA INTEGRATED MECHA BOX**).

The concept of the product is very simple. Everybody can enjoy the **SYSTEMA** parts fully without specific techniques or knowledge. A tool you need is only one plus driver. We hope you make fuller better use of live-firing performance of ultimate custom parts.

### 2. **Performance**

< 1 >Dimensional control of case parts

It goes without saying that MECHA BOX is a core of function of MARUI electric gun and at the same time, the outside dimension is a pillar of rigidity of the whole gun. So it is important not only to trace accurately and manufacture it, but also to devise various ways to improve the function. For example, increasing wall thickness of part that comes in contact with the tappet plate corrects “twist or deflection” and control jamming on driving with high speed.

## < 2 >Weight and gear noise

It is rare to use a gear in the structure of a real gun. In short, we think noise generated by the gear should be inhibited as much as possible. A noise generated by a pair of gears engaged correctly may be certainly comfortable, but we are willing to strive to inhibit even that noise by increasing wall thickness of the case as much as possible. As an inevitable consequence, the rigidity of case itself is secured at the same time.

## < 3 >Bearing

In this product, there are eight bearings are selected and placed adequately as each usage. Especially, the radial bearing for the gear brings out a performance of our specialty high accuracy gear as much as possible by strictly controlling the set measurement. Please feel **SYSTEMA**'s special commitment of quality of the gear.

## < 4 >There are reasons why the case can't be damaged.

Generally, many people said "I replaced a custom MECHA BOX, but when I used a strong spring, it was damaged". The reason of this damage is covered with a case structure. The case of **SYSTEMA** MECHA BOX is no difference manufacturing method from other products as it is die-cast. However, it is required to have draft in each part of the case for being die-cast. In general, only a tiny part of periphery of the cylinder head comes in contact with the case due to the draft on a front of the case where the case comes in contact with the cylinder head. If you give a strong impact on this part from backward, a power trying to separate will add to right and left cases.

This is the cause of damage.

As our countermeasure, it is designed that this part's draft is zero, so the strong impact from the piston will be received by whole area of the case and be attenuated. That's the reason of our excellent durability of our MECHA BOX case. All phenomenons including operating as you expected and being damaged have mechanisms.

## < 5 > Installed switch device (M150 spring built-in type)

**SYSTEMA** switch device is a best seller item that it protects the terminal from excessive current which flows in the switch by very simple structure. However, the board itself needs a power supply structurally, so it is also true that we have received many voices saying that they often have a little trouble with wiring. This time only a kit installed M150 spring can be delivered with completed wiring. In this case you can enjoy the dynamic shooting taste of high rate spring by only setting the MECHA BOX in the body.