

NEW HARDWARE CONTEST 2024 Award product description

👑 Grand Prix 👑



The product: Mokuba DIN RAIL CUTTER HANDY (KOYAMA EDGED-TOOL WORKS CO.,LTD.)

Use: A tool for cutting DIN standard rails

- (1) This is a replaceable blade-type cutting device used to easily and precisely cut DIN standard rails.
- (2) Its ultra-compact size makes it easy to carry into the worksite.
- (3) This innovative product allows cutting to be performed using an impact driver or through manual operation.

Judge's comment : This is a tool that allows users to easily perform precision cutting of “DIN standard rails,” which are long metal rails. Some of its characteristic features include no need for deburring after cutting is performed and no need for a power supply. Reflecting the voice of users at the worksite, this tool has been designed with a compact size and light-weight design that make it easy to carry. Additionally, an impact driver can be used to easily perform cutting and cutting can be manually performed as well. Furthermore, blade compatibility has been ensured to take into consideration the interchangeable use of this tool together with stationary-type cutting machines. The refined design of this tool and its completeness as a product allowed it to earn high marks.

Gold Prize



The product: Modeledge “MOKONTO” 0.15mm/0.3mm (Michihamono Industrial Co.,Ltd.)

Use: A carving knife specially designed for detailed carving work performed for plastic model kits

- (1) This is a specialized knife designed for performing detailed carving work to further enhance the details of plastic models.
- (2) Each and every one of these extremely thin flat-bladed knives have been meticulously hand-crafted through a painstaking polishing process performed by an artisanal knife craftsman.
- (3) The wooden handle has been formed into an oval shape, making this product comfortable to grip even for long periods of time.

Judge's comment : This knife has been specially designed for performing detailed carving work to further enhance the details of plastic models. Utilizing a manufacturing technique developed through the crafting of carving knives, this knife offers excellent cutting performance and precision dimensional accuracy. Furthermore, it makes use of a wooden grip to prevent the user from experiencing fatigue after long term use. In addition to these features, this product is highly regarded for its trailblazing attempt at establishing a foothold in the niche market of tools used in the detailed carving work of plastic models.

Special Design Award



The product: Weed scraper (SANYO METAL WORKS Co.,Ltd.)

Use: A weed removal tool that is ideal for use even in locations where machinery cannot be used.

- (1) This is a manually-operated tool that reduces the burden on the user since it allows the user to perform weed removal work while standing up.
- (2) This tool allows weeds to be removed by pushing and pulling the tool while scraping the ground surface.
- (3) Since the shape of the blade is symmetrical, this tool features a universal design that is friendly to both left-handed and right-handed users.

Judge's comment : This hand-operated tool allows users to perform weed removal work while standing up, thereby reducing the burden placed on users when performing such work. This product earned recognition for the ability to disassemble its handle to make it compact when transporting it, and its universal design that allows it to be friendly to both left-handed and right-handed users due to its symmetrical blade.

The product: Craft chisel 7pcs set (High speed steel) (Michihamono Industrial Co.,Ltd.)

Use: A carving knife specially designed for wood carving work to produce such pieces as Buddhist statues and Noh masks

- (1) By making use of high-speed steel, this knife exhibits enhanced cutting performance and an improved blade lifespan.
- (2) Since the blade consists of two layers of steel layered on a core layer, it is easier to sharpen.
- (3) As the blade-attachment hole is fitted with a brass grommet instead of a ferrule, the user can freely customize the thickness of the handle and other aspects of the tool.

Judge's comment : By making the tip of its blade longer than typical carving knives, this product is ideally designed for performing intricate carving work, etc. With its structure that allows the blade and the handle to be joined without needing to add a ferrule, this product earned recognition for its sleek and seamless design.

New Hardware Prize



The product: COFFEE BRUSH (Ishii co.,Ltd.) / **Use:** A brush for cleaning coffee bean grinders and espresso machines, etc.

- (1) This brush is ideal for such things as cleaning coffee bean grinders.
- (2) The base of the brush can be replaced to allow the brush to match the situation in which it is used.
- (3) The attractive hammered finish gives it a design that fits snugly in the user's hand.



The product: CHAIN SHIKO BRUSH 4X (Ishii co.,Ltd.) / **Use:** A brush for performing bicycle chain maintenance

- (1) This brush is specially designed for cleaning bicycle chains.
- (2) Since the brush can be used to clean a chain simultaneously from all directions, it can drastically reduce the amount of time needed to perform chain maintenance work.
- (3) Its plastic handle prevents it from causing scratches or scuffs on bicycles, and it is conveniently designed to not take up too much space in your toolbox.



The product: MAKASETEKUSAKEZURI (SHIMIZU MFG. CO.,LTD.) / **Use:** A weed removal tool designed with a unique blade shape

- (1) The jagged blade of the tool can be hooked on the root of various types of weeds to remove them.
- (2) The hook-shaped blade allows the tip of the blade to more easily enter dirt, and the sharp corners of the blade make it possible to even dig up large clumps of weed.
- (3) Since plastic parts and rivets are used to form the portion of the tool that joins the blade and the handle, the tool does not rattle when being used.