



Kawasaki Robotics *e-News* is an electronic bimonthly newsletter that provides our customers with useful information on robotics.

New Robot: MG10HL



Kawasaki Robot announced that it will release the MG10HL, a highly rigid, ultra-high payload robot on December 2, 2015. It boasts a maximum payload capacity of one ton, the largest among Kawasaki robots.

Today we are seeing a growing need for transporting ultra-heavy goods. That includes large-sized products like automobiles, ships, rolling stock, aircraft, cast and forged metal products, as well as construction and other types of materials weighing over one ton. Kawasaki has responded to this need by developing the MG10HL, a versatile ultra-high payload robot. Surpassing the existing M Series robots (with a maximum payload of 700 kg), the MG10HL takes its place as Kawasaki's top-of-the-line model.

The MG10HL has wide motion ranges of up to 4,005 mm in horizontal reach, and 4,416 mm in vertical stroke, plus a maximum standard payload of one ton (which can be optionally increased to 1.5 tons). Equipped with two motors in each axis of the third from the first, the MG10HL delivers high torque and a huge payload capacity while ensuring motor compatibility with existing models. The drive mechanism of the second and third axes employs ball screws that enable the robot to realize its large payload without the use of any counterweights. The robot's unprecedented superior rigidity makes it ideal for taking on tasks that require resistance to strong reaction forces. The robot's lightweight and compact design maximizes layout flexibility, resulting in superior versatility that enables users to easily adapt it to different workpieces.

The MG10HL will be exhibited at the four-day International Robot Exhibition 2015 to be held at Tokyo Big Sight beginning on December 2, 2015.

Taipei Int'l Industrial Automation Exhibition

Kawasaki Robot participated for the first time in the Taipei Int'l Industrial Automation Exhibition, held in the TWTC Nangang Exhibition Hall from Aug. 26 (Wed.) to 29 (Sat.), 2015. Marking its 27th year, the exhibition saw a variety of industrial products related to industrial automation, such as automation and automation control equipment.

We exhibited our new product released in June: the "duAro" dual-arm SCARA robot. This robot has a short start-up time, can smoothly substitute for human labor, and is capable of working in collaboration with people. The robot demonstrated its skills in board assembly and FPC (flexible printed circuits) handling, applicable to the electronics industry.

We also gave demonstrations of arc-welding operations using the new BA006N arc-welding robot. This robot is exclusively for arc welding, with an optimal arm configuration that facilitates the handling of a wire feeder and cables, enabling the stable feeding of welding wire.

We are very grateful that so many people visited the Kawasaki booth. Please feel free to contact our nearest office for further information about our products.



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