

Welcome...

...to our Kanya UK Newsletter October 2018, aiming to bring you the latest in new products and services, company news and the latest project applications using the Kanya aluminium extrusion profile system.

Having been the first aluminium connecting system to be developed way back in 1975, today's product range is a result of continual improvement and illustrates Kanya AG's commitment to investment in research and development. With such innovations, the Kanya aluminium build system continues to provide engineering solutions suiting a wide range of purposes.

We feature our latest application examples seen in the factory recently and case studies from our clients, to inspire you for your next project. So please get in touch for a free design and quotation, or order a kit of parts from our online store at www.kanya-uk.co.uk.

Latest case studies...



Kanya panels infilling the orchestra pit at Alexandra Palace

Kanya UK have recently provided aluminium framed panels to infill the orchestra pit at Alexandra Palace, central London.

As part of the recent restoration project inside the world-famous former BBC studios, the previously derelict Victorian era east wing has been brought back to its former glory by construction giant Willmott Dixon. The refurbished wing, which the BBC leased from 1935 until 1956, will accommodate an immersive birthplace-of-TV experience. Fitting, as the first public television transmissions were made from here in 1936. The wing is looking to create a popular tourist attraction for all the family, as the original "people's palace" was intended to be.

Work included restoring the ceiling, which had not been touched since the 1890's. The entire floor was lifted, relevelled then re-laid using all 1200 floor boards. The resulting restoration will create a flat space for flexibility, to accommodate all manner of events, where seating and staging can be added.

With this in mind, auditorium seating and staging specialists CPS Manufacturing Co were appointed to

supply the orchestra pit infill. Their brief was to provide some rigid and lightweight panels to form a lift shaft between their demountable platforms.

As Design and Estimating Executive, Roger McCreadie explained "After exploring several routes and options we discovered Kanya UK. Steve Taylor's prompt visit, technical expertise and product experience was of great value in assisting in the successful delivery of this part of the project, as well as being within budget".

In describing the specification for the project, Roger added "We had initially been looking at constructing the panels from softwood and cladding in plywood but this was presenting several obstacles in both design and manufacture. The aluminium framed panels were easily built by production operatives with no prior experience of the system and this led to a small order being placed for another part of the same project".

Roger is delighted with the Kanya aluminium build system." The system seems to be robust and rigid and could lead to us using your products in one or two other areas of bespoke manufacture".

The panels needed to be precise to fit within the void, and were fitted in time for the opening performance, the BBC prompts!

Events

**ROBOTICS
AND
AUTOMATION**

Visit us on
Stand 624

ROBOTICSANDAUTOMATION.CO.UK

10-11th October, Milton Keynes

Robot enclosures

This octagonal enclosure (below) has been provided to clients Fanuc, a leading automation company.

Constructed from Kanya aluminium profiles finished with satin anodise, a mixture of 5mm clear polycarbonate for windows and the company branding yellow for cladding panels has been used. Access doors are provided on opposite sides of the booth, with low level doors too. A false floor is provided at waist height within the enclosure with an aperture for the robot assembly.

The enclosure contains a robot device which protrudes through the aperture in the false floor. Fanuc are using this as a demonstration piece to be transported to various events and exhibitions.

In fact, it will be appearing on the Kanya UK stand 624 at the Robotics and Automation Exhibition.



Fanuc commented "We are very happy with the cell – the shaped windows look really good! A number of people have already commented on the quality of finish".

Feeling inspired?

Get in touch with us for a FREE design and quotation



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Safety enclosure for TMD Technologies

A safety enclosure constructed from the Kanya aluminium build system has been provided for TMD Technologies, one of the world's leading manufacturers of microwave tubes, high voltage supplies and transmitters.

TMD Technologies will be testing power amplifiers within the enclosure, which use a TWT (travelling wave tube) and a very high voltage power supply to amplify the RF signals. The enclosure will therefore be safeguarding testing personnel as well as ensuring it is compliant with their specifications.

The enclosure is mounted on castors, with an aluminium framework and polycarbonate panels inbetween. The large door at the front of the enclosure lifts up to allow complete access to the testing equipment contained within. The operation of the door is totally safety locked and so can only be opened when the power unit has been switched off.



...the *power* in microwaves!



In the factory...

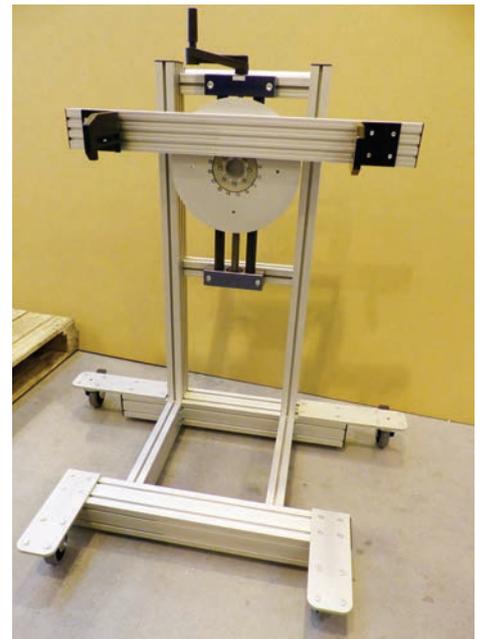
Assembly trolley

Kanya UK are putting the final touches to a workbench trolley created for the assembly line of a manufacturer of high voltage generators.

The trolley, designed by Kanya UK, accommodates two different product sizes being assembled at various points in the workflow. First comes bench assembly followed by low level assembly 800mm off ground level, with the product locked in place and rotated 90 degrees.

After this operation, the assembly is rotated back into a horizontal position and transported on the trolley before being despatched. The design requirements for the trolley therefore needed to be precise, and be able to rotate, raise and lower as well as lock in place, taking up to a 80kg load.

As part of Kanya UK's free design service, 3D drawings were provided to the client providing different views, enabling the client to understand the various assembly positions that would be achieved in the manufacturing cycle.



Product news...

Kanya UK have just completed custom designed assembly workbenches which will be used for the assembly of detection equipment. The workbenches (far right typical example render) have a slide out tray for a keyboard, adjustable mounts for screens and storage bins, and overhead lighting for detailed working. They are also height adjustable, to allow for sit/stand assembling. All these features can be found in the brand new ErgoPlace brochure (above), which is now available to download. There are lots of ideas for modular workbench solutions, as well as accessories and a handy ergonomic checklist. Other height adjustable workbench solutions are also possible from Kanya UK (see render, right).

Don't forget we offer a free design and quotation service, so you can visualise your workbench before you commit!



Get in touch

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