

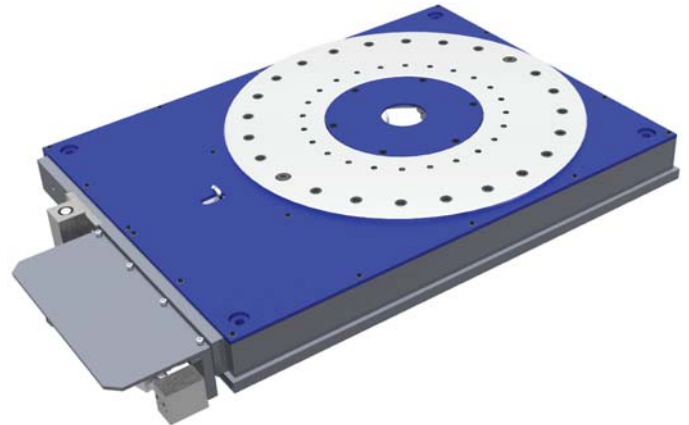
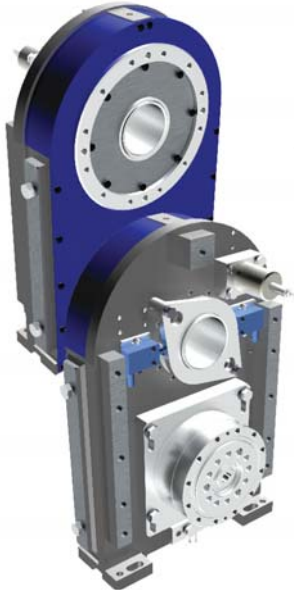
Flexible
Robotic Positioning Systems

The Kyrus range of positioners are designed to work with all robot brands, and can interface with any servo motor manufacturer. With high volume production at the forefront of the design criteria, each version is made to withstand the rigors of multiple shift production. The heart of any positioner is the gearbox and as such we use leading gearbox manufacturer Sumitomo for precision motion control. These gear heads are renowned for world class quality and are used in many of the leading brands of robot. This allows us to offer high output torque positioners with superior repeatability. For precise, welding, positioners need to be of rigid construction, and as such all of our positioners are designed utilizing FE analysis. To ensure correct matching of motor to gearbox, Kyrus offer a free motor matching service.

Universal drives (UD series)

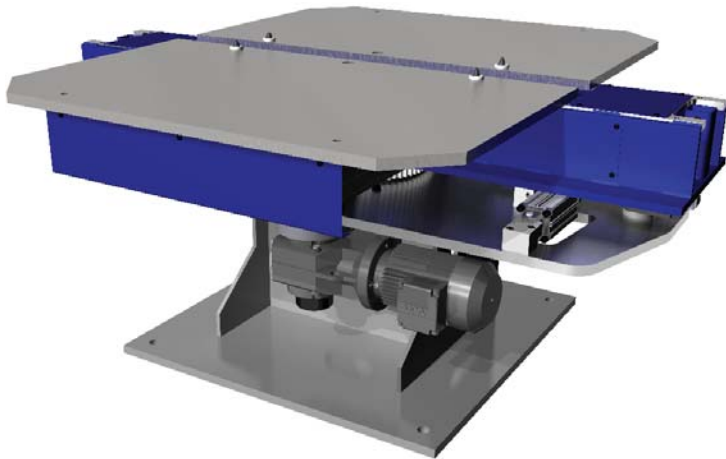
A Range of modules that allow for flexible design of positioning systems.

These modules are designed to be compact for the payloads with capacities from 250 kg up to 5,000 kg and output torques up to 8,000 Nm.



Heavy duty universal drives (UDHD series)

This series of drives is designed for heavy duty applications up to 20,000 kg and with output torques up to 60,000 Nm.



180° Indexing turntable systems (T series)

With payloads from ranging from 250 kg up to 5000 kg.

These tables have a unique table locking systems to maintain a repeatability at the swing diameter of better than 0.05 mm.

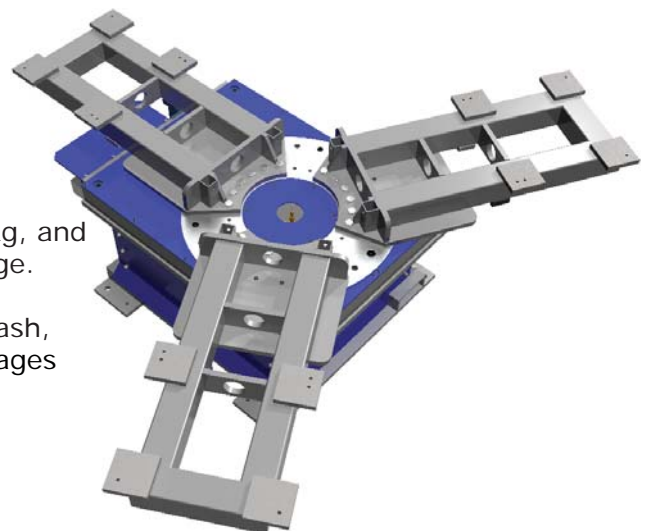
"We also manufacture a unique semi automatic turntable"

Centre guarding removed for illustration purposes only.

Heavy duty multi position turntables (THD series)

These tables are designed to be used with loads up to 20,000 kg, and output torques up to 60,000 Nm using the correct drive package.

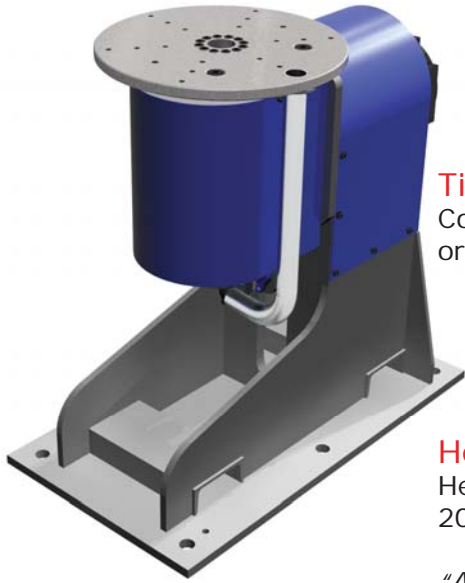
Many options are available including cam locking for zero backlash, shot pin locations , fixture mounting frames and guarding packages



Head and tail stock positioners (HT series)

Ranging from 100 kg to 20,000 kg and with face plate centres up to 20 metres.

Direct drive and slewing ring drive options are available.



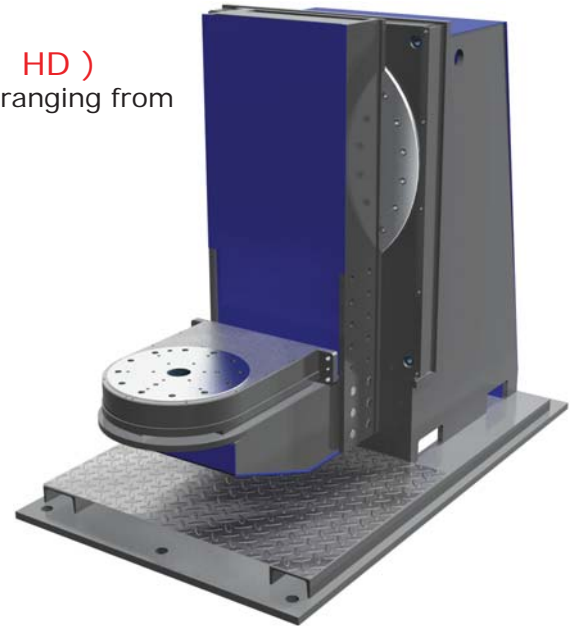
Tilt and turn positioners (TT Series)

Compact 2 axis positioners in 250 Kg or 500 kg sizes.

Heavy duty, tilt and turn (TT HD)

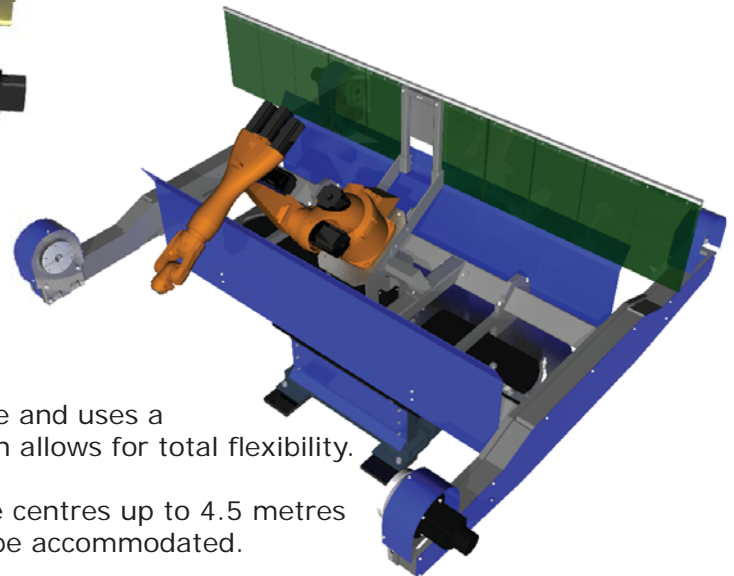
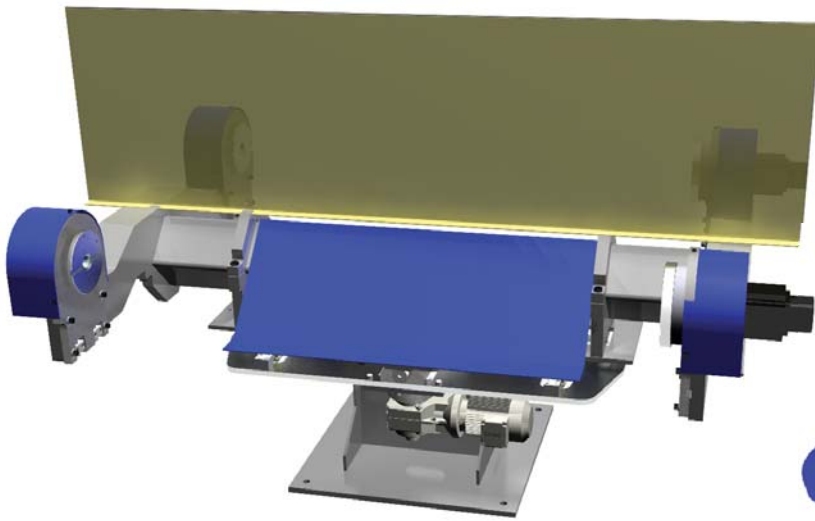
Heavy duty, tilt and turn positioners ranging from 2000 kg up to 20,000 kg.

"Also available as a cradle design."



Turntables with tooling drives (TR series)

Conventional turntables with capacities from 250 kg up to 2000 kg, face plates centres up to 3 metres and swing diameters up to 1.6 metres.



Centre mount positioners (CMT series)

This positioner is one of the most flexible designs available and uses a smaller cell foot print to other solutions. Its modular design allows for total flexibility.

With payloads from 250 kg to 1000 kg per side , face plate centres up to 4.5 metres and swing diameters up to 2.4 metres most products can be accommodated.

As the robot shares the same swing arc as the table, the robot working envelope is utilized better than conventional systems.

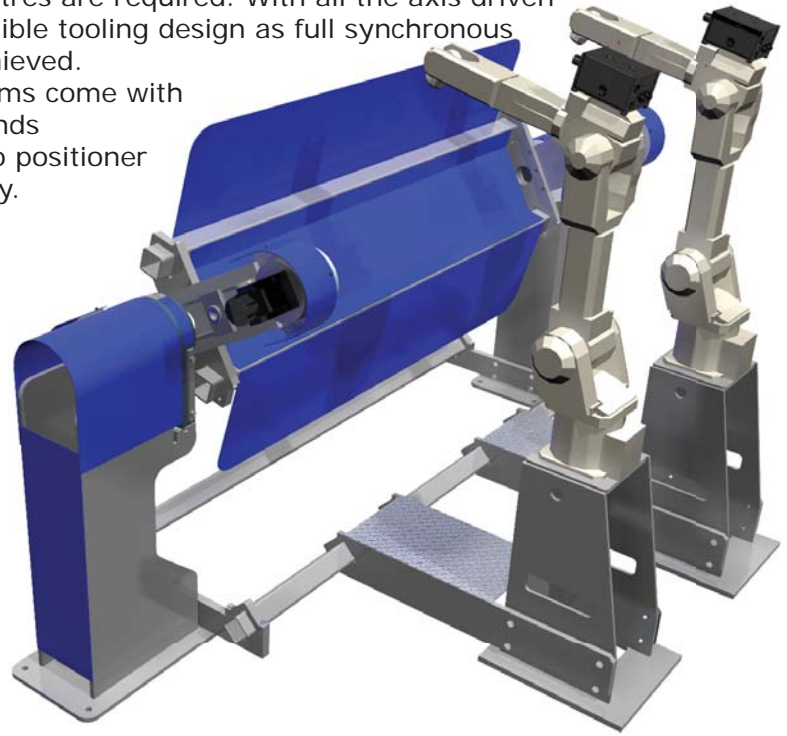
It is possible to fit two robots in the centre or even fit a linear track to enable the robot to cover the whole work area.

With the robots mounted clear of floor the system is easier to programme and maintain.

Ferris wheel positioners (F series)

Ideal for long thin components or when face plate distances greater than 3 metres are required. With all the axis driven it allows more flexible tooling design as full synchronous motion can be achieved.

Ferris wheel systems come with optional robot stands that clamp back to positioner for greater stability.



5 Axis positioners (TX series)

For greater flexibility each station has two axis drives. Face plate centres are adjustable for sizes up to 3200 mm and with payloads up to 1000 kg.

Extending Robot Working Range

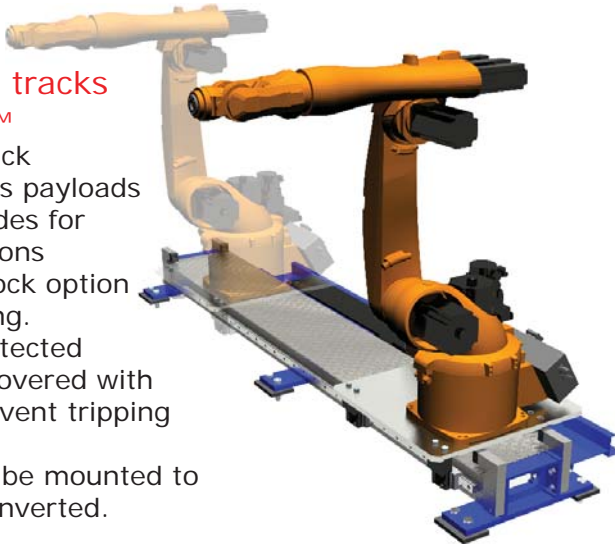
Many applications need to reposition the robot for access or greater working range, for this we offer various solutions from floor tracks to rotation booms and multi axis gantry systems.

Hi Glyde linear tracks (HG Series)™

Modular linear track systems in various payloads and accuracy grades for different applications including a cam lock option for zero positioning.

All guides are protected and the track is covered with tread plate to prevent tripping hazards.

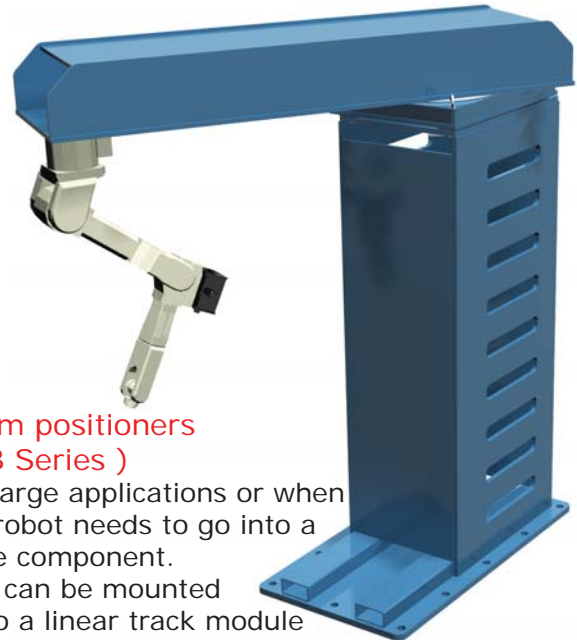
Linear tracks can be mounted to the floor, wall or inverted.



Boom positioners (CB Series)

For large applications or when the robot needs to go into a large component.

This can be mounted on to a linear track module for long travel requirements.



Can't see what you want ?
We can build any positioner configurations you require to any load capacity.

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