

Extruded Aluminium Profile Frameworks

Workstations, Enclosures, Partitioning and Rooms



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Aluminium Profile

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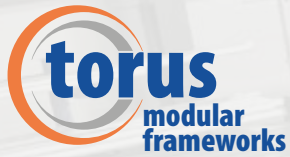
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Who are Torus?

Who are Torus Group?

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Why choose Torus Modular Frameworks?

Torus Modular Frameworks offer a range of flexible, high quality, robust aluminium profile solutions for commercial and industrial environments including office, production, manufacturing and factory facilities.

Our range includes workstations, enclosures, controlled environments, partitioning, and bespoke solutions. All our solutions are designed, machined, managed and built in-house at our factory in Telford, Shropshire, UK. Each product has a number of options and configurations that customers can choose from to meet their own unique requirements.



Quality

Our products are made using the highest quality aluminium extruded profile and sheet materials, making for a hardwearing and robust solution.



Modular

A number of different configurations are available for each product, making them customisable to customer needs and budgets



Support

Our team will support you with your product from enquiry to installation.

WORKSTATION
Solutions

ENCLOSURES

PARTITIONING

ROOMS

ALUMINIUM
Profile

Workstations



Workstations/Trolleys/Shelving



Torus Modular Frameworks offer a range of bespoke workstations, trolleys and shelving to provide a configurable and heavy duty solution for a variety of working environments.

Our modular design has a variety of base modules to choose from, which can include drawers, cupboards, shelves and/or desks. Select from one of the worktop options, specify your preferred panel colour and material and complete your configuration by choosing from a range of accessories, transforming a standard workstation in to a specialised workspace configured to your requirements.

Options and Accessories

We offer a wide range of options and accessories. These include (but are not limited to):

- A variety of base modules
- Draw/Door options
- Wheels/Feet options
- Lockable slam latches
- Vesa monitor mount
- PC mount
- Keyboard drawer
- Ethernet/USB port

All of our workstations are designed and manufactured in the UK from Extruded Aluminium Profile, using heavy duty components. Torus Modular Frameworks workstations are built to last.

Technical Data

Serial Code: **Z903**

Materials

Framework: **Extruded Aluminium**

Panels: **3mm Aluminium Composite or Foamboard**

Worktop: **9mm Black Embossed Polypropylene or 6mm Grey High Pressure Compact Laminate**

Standard Panel Colours*:

Worktop Colours*:

*Other colours available

Dimensions

		Number of Base Modules		
		Single	Double	Triple
Guidelines	Width	650mm	1260mm	1870mm
	Height	950mm	950mm	950mm
	Depth	550mm	550mm	550mm

Note: More available upon request

Applications

Multiple base modules can be configured together, and finished with a single piece worktop.



Options and Accessories

1 Base Module Configurations



Single drawer with cupboard and 2 shelves



Open front with single drawer and 2 shelves



Triple drawers



Open desk



Open desk with drawer



Open front with 3 shelves



Cupboard with 3 shelves - no drawer



4 drawers

2 Materials and Colours

Standard Panel Colours and Materials



3mm Aluminium Composite **OR** Foamboard (**Note:** more available on request)

3 Worktop Options



9mm Black Embossed Polypropylene (standard) **OR**
6mm Grey High Pressure Compact Laminate

Options and Accessories

4 Wheels and Feet



Standard Static Feet
Combined Load Capacity:
Static 1200kg



Braked Nylon Castors
Combined Load Capacity:
Dynamic 600kg, Static 1200kg



Braked Stem Castors
Combined Load Capacity:
Dynamic 1000kg, Static 2000kg

5 Accessories



Standard Lockable Slam Latch



Vesa Monitor Mount



PC Mount



Keyboard Drawer



Ethernet Port
USB Port

To create your Workstation

- 1 Choose your base module configurations
- 2 Choose panel material and colour
- 3 Choose your worktop material and colour
- 4 Choose your wheels and feet.
- 5 Choose your accessories.



Metrology Workstations



Torus Modular Frameworks offer a range of Metrology Workstations providing a configurable and heavy duty solution for holding portable Measurement Arms, Height Gauges and jigs & fixtures. They can be supplied with either a single or double multi-tapped base plate.

Our modular design allows a variety of base module options to be selected, which can be configured with drawers, cupboards and/or shelves. Select from either a single or double baseplate configuration, specify your preferred colour and then select any accessories required.

Options and Accessories

We offer a wide range of options and accessories. These include (but are not limited to):

- A variety of base modules
- Draw/Door options
- Wheels/Feet options
- Lockable slam latches
- Vesa monitor mount
- Lap arm
- Keyboard drawer
- Ethernet/USB port

All of our workstations are designed and manufactured in the UK from Extruded Aluminium Profile, using heavy duty components. Torus Modular Frameworks Metrology Workstations are built to last.

Applications

Supplied with either a single or double multi-tapped base plate for supporting portable Measurement Arms, Height Gauges and jigs & fixtures

Technical Data

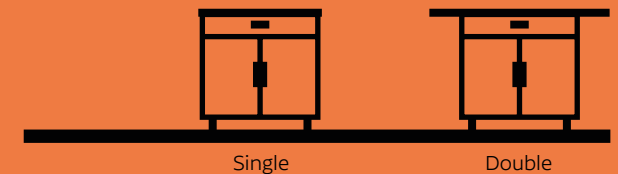
Serial Code: **Z907**
Materials
 Framework: **Extruded Aluminium**
 Panels: **3mm Aluminium Composite or Foamboard**
 Baseplate (single): **Aluminium Tooling Plate ENP Finish 192 MB tapped thru holes 50mm hole pitch**

Standard Panel Colours*:

*Other colours available

Dimensions (Max. including base plate)

		Base Plate		
		Single	Double	Triple
Guidelines	Width	600mm	1200mm	600mm D, 800mm W, 12mm thick (per unit)
	Height	850mm	850mm	
	Depth	800mm	800mm	



Options and Accessories

Base Module Configurations



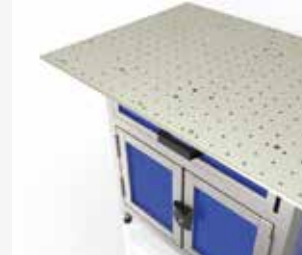
Cupboard with single shelf and 1 drawer



Open front with single adjustable shelf



Standard Single Base Plate



Double Base Plate

Wheels and Feet



Standard Static Feet
Combined Load Capacity:
Static 1200kg



Braked Nylon Castors
Combined Load Capacity:
Dynamic 600kg, Static 1200kg



Braked Stem Castors
Combined Load Capacity:
Dynamic 1000kg, Static 2000kg

Accessories



Lockable Slam Latch



Laptop Arm

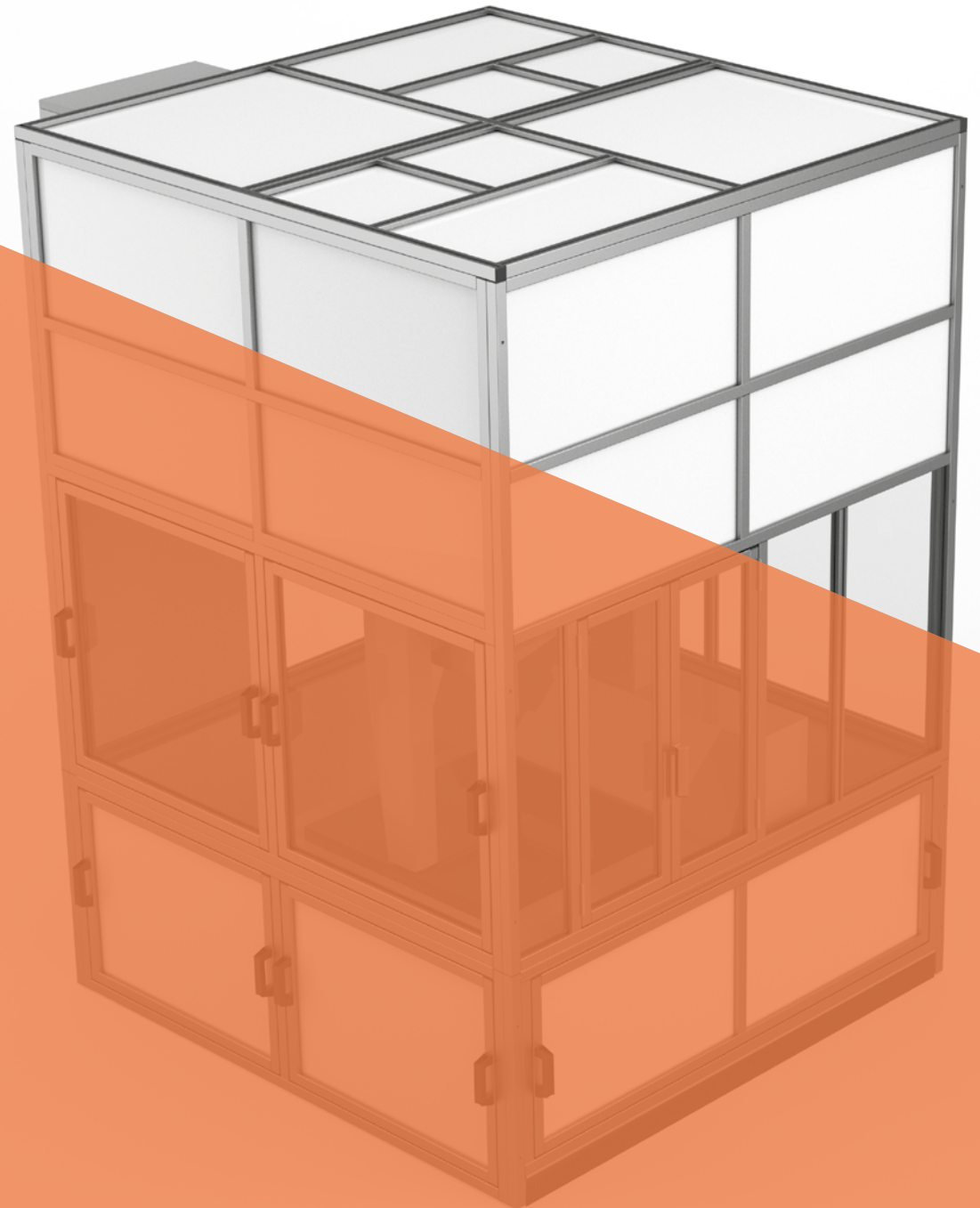
Base Plate Configuration

To create your Workstation

- 1 Choose your base module configurations
- 2 Choose your type of base plate
- 3 Choose your panel colour
- 4 Choose your wheels and feet
- 5 Choose your accessories



Enclosures



Enclosures/CMM Enclosures/Machine Enclosures



Torus Modular Frameworks offers a range of custom built Enclosures to provide a protective environment for sensitive machinery and equipment.

Our enclosures are constructed to be situated on or near to the shop floor, allowing equipment to be protected whilst maintaining optimal performance and production work flow.

Options and Accessories

We offer a wide range of options and accessories. These include (but are not limited to):

- Air conditioning
- Lighting
- Pneumatic fit-out
- Electrical fit-out (plug sockets, ethernet cables etc)
- Panels for maintenance access
- Door options

Our aim is to configure an enclosure that meets your environmental and operational requirements. This means from start to finish, your enclosure is designed and built to your specific needs.

All of our enclosures are designed and manufactured in the UK from Extruded Aluminium Profile, using heavy duty components. Torus Modular Frameworks Enclosures are built to last.



Technical Data

Serial Code: **Z905**

Materials

Framework: **Extruded Aluminium**

Panels: **Aluminium Composite**

Windows/Doors: **Clear Polycarbonate or Smoked Grey Carbonate**

Standard Panel Colours*:

Window/Door Colours*:

*Other colours available

Dimensions

Size Increments: 100mm

Other sizes available on request.

For other sizes refer to our **Controlled Environments**

Min. Bed H	Mx. Bed H
500mm	1200mm

	Min.	Max.
Width	1000mm	3000mm
Height	2200mm	4000mm
Depth	1000mm	3000mm

Applications

Torus Modular Frameworks enclosures can be configured to house CMMs, optical measurement systems, portable measurement arms, tool setting systems, machine tools and 3D printers



Options and Accessories

Door Options



Standard Opening Doors



Bi-Fold Doors



Sliding Doors

Accessories



Standard Removable Access Panels



Workstation -
**Refer to the 'Workstation' section
Page 3**



Pneumatic Air Piping - With various
fitting options



Lighting / Lux Level Options



Air Conditioning Unit - Various
temperature control options
available



Plug Sockets/Ethernet Port - Final
installation to be completed by
customer



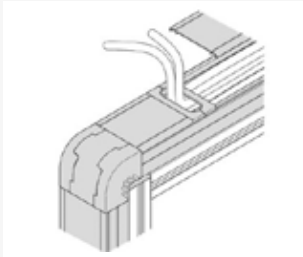
Brush Strip



Yellow Door Handle

Electrical Trunking/Ducting

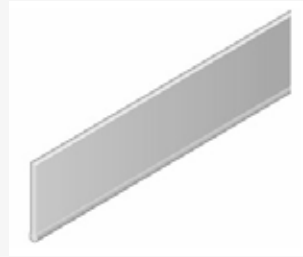
Cable ducting can be provided to conceal cabling from sight. Sizes available include 40x40, 40x80, 80x40 & 80x80.



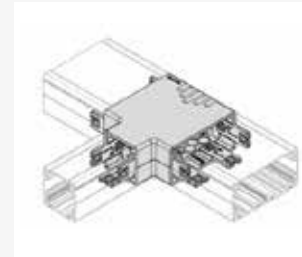
Aluminium Cable Ducting



90° Corners for all ducting sizes



Dividing Strip - Allowing for both data and electricity in one piece of ducting



T-Pieces for each ducting size



Cable Holes for each extrusion size

Pneumatics

These fittings enable the internal hole in the aluminium profile to be used as part of the pneumatic system.



Surface Mounts



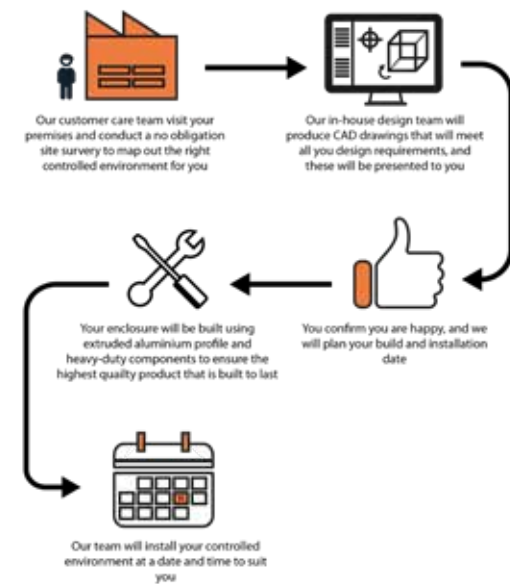
Connection Screws



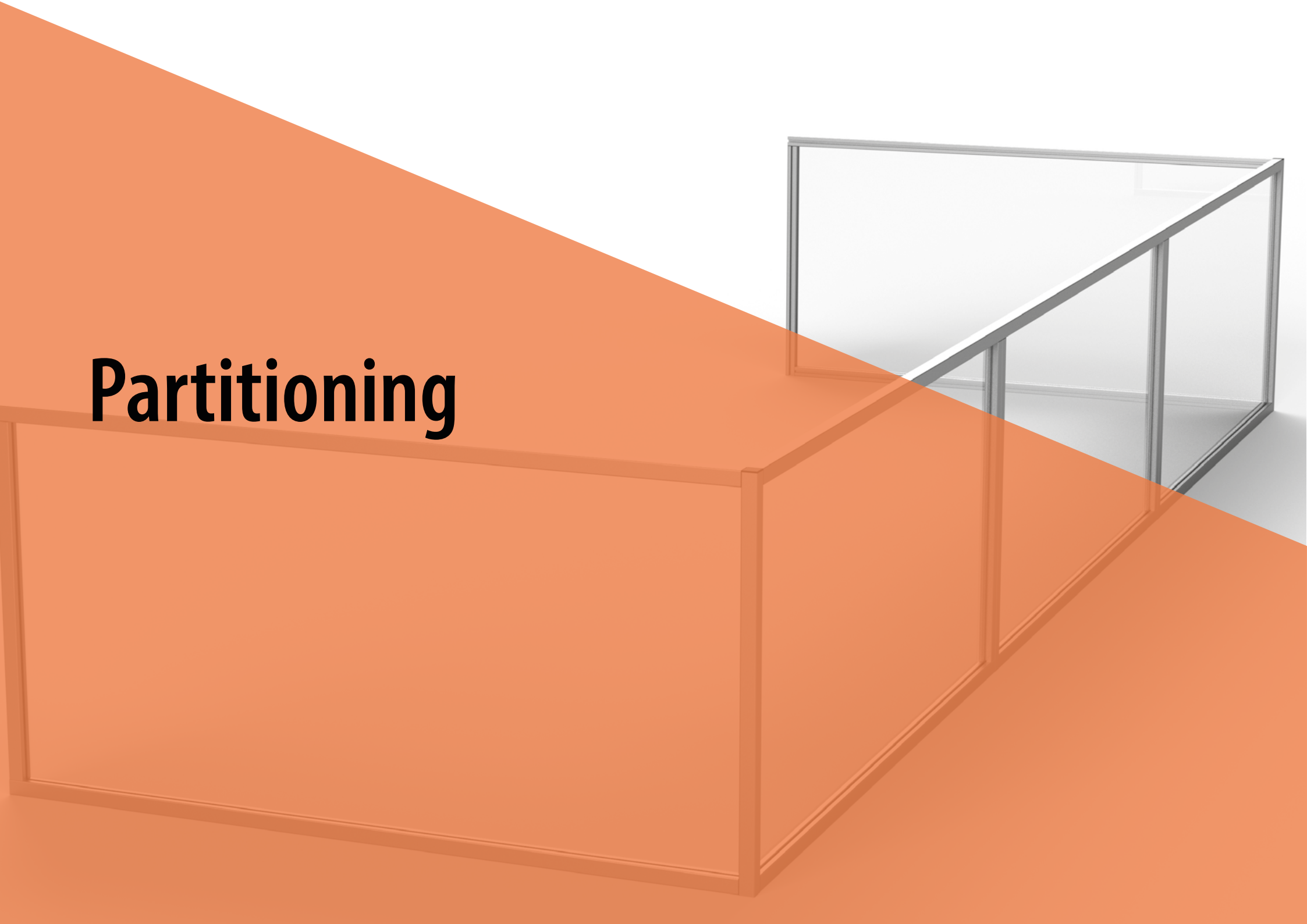
Cover Profiles - Various colour options available

To create your Enclosure

- 1 Define your overall dimensions
- 2 Choose your door options, accessories and trunking
- 3 Choose your panel colours
- 4 Choose your window colours
- 5 Choose your accessories



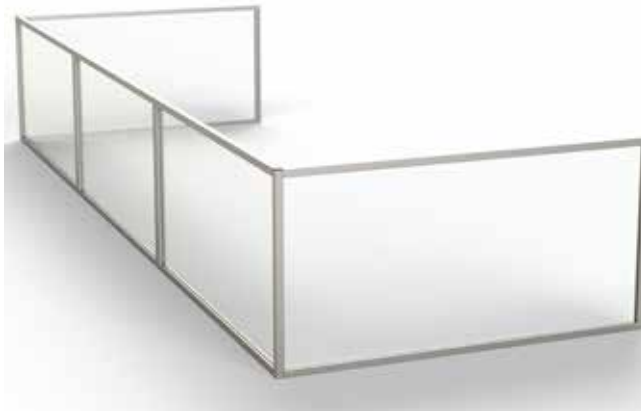
Partitioning





PARTITIONING

Partitioning and Walkways



Torus Modular Frameworks offer a customisable range of partitioning and are the perfect solution to corner off areas which need segregation to protect the area from hazards.

These can be fitted with various accessories such as (but are not limited to):

- Hinged opening doors
- Electrical fit-out
- Pneumatic piping
- Brush strips
- Various finishes

Our partitions are supplied as standard with floor mounting brackets which can be bolted to the floor using 8mm through holes.



Technical Data

Serial Code: **Z906**

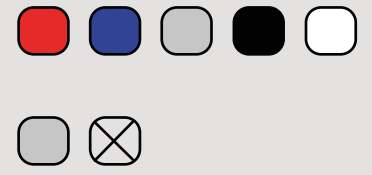
Materials

Framework: **Extruded Aluminium**

Panels: **Aluminium Composite** or **Foamboard** or **Clear Polycarbonate** or **Smoked Grey Carbonate**

Standard Panel Colours*:

Polycarbonate Colours:



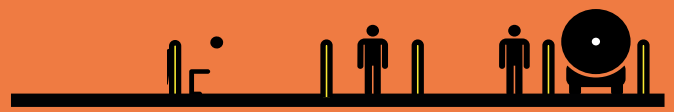
*Other colours available

Dimensions (Panel)

Width	Unlimited
Height	1000mm - 2500mm (increments of 500mm)

Applications

Torus Modular Frameworks Partitions are ideal for dividing an office space, cordoning off an area (workshop, factory etc), creating safe walkways and more.



Colours and Materials

Standard Panel Colours and Materials



3mm Aluminium Composite **OR** Foamboard

Polycarbonate Colours



Clear Polycarbonate **OR** Smoked Grey Polycarbonate

Top Finish



Square Top Finish



Radius Top Finish

Accessories



Hinged Door -
With brush strip



Pneumatic Air Piping -
With various fitting options



Plug Sockets
Ethernet Port -
(Final electrical installation to be
carried out by the customer)



Brush Strip

To create your Partitioning

- 1 Define your overall dimensions
- 2 Choose your panel type and colour
- 3 Choose your top finish: Square top or Radius top finish
- 4 Choose your accessories



Rooms, Office Spaces and Controlled Environments





ROOMS

Rooms, Office Space and Contolled Environments



Torus Modular Frameworks offer bespoke Controlled Environments providing a semi-permanent versatile work space in a shopfloor or factory environment.

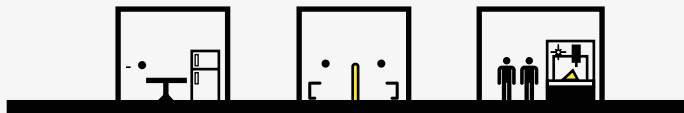
Controlled environments can be built around your existing infrastructure, fitted out with a variety of workstation options and customised to support the needs of your new workspace.

Options and Accessories

Various options are available including (but not limited to):

- Various access configurations
- Air conditioning
- Pneumatic fit-out
- Electrical Fit-out
- Lighting options

Designed and manufactured in the UK from extruded aluminium profile, using heavy duty components, Modular Frameworks controlled environments are built to last.



Technical Data

Serial Code: **Z904**
Materials
 Framework: **Extruded Aluminium**
 Panels: **Aluminium Composite**
 Windows/Doors: **Clear Polycarbonate** or **Smoked Grey Carbonate**

Standard Panel Colours*:

Window/Door Colours*:

*Other colours available

Dimensions (Panel)

Size Increments: 500mm

Other sizes available on request.

	Min.	Max.
Depth	500mm	5500mm
Height	2200mm	4000mm
Length	500mm	Unlimited

Applications

Torus Modular Frameworks Controlled Environments are ideal for:

- > Shop floor management space
- > Meeting rooms
- > Break rooms
- > Office space
- > Dedicated assembly areas
- > Housing CMMs, optical measurements systems, machine tools and 3D printers
- > First principle quality control and inspection rooms

Door Options



Open Access



Sliding Doors



Hinged Doors

Accessories



Configurable Cupboards -
Refer to the 'Workstation' Section



Configurable Workstations -
Refer to the 'Workstation' section



Pneumatic Air Piping - With various
fitting options



Lighting / Lux Level Options



Metrology Workstation -
Refer to the 'Workstation' Section



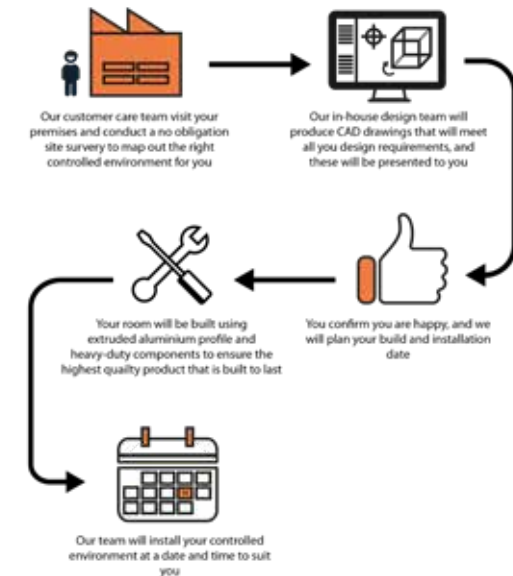
Air Conditioning Unit - Various
temperature control options available



Plug Sockets/Ethernet Port - Final
installation to be completed by
customer

To create your Room

- 1 Define your overall dimensions
- 2 Choose your door options
- 3 Choose your panel colours
- 4 Choose your window colours
- 5 Choose your accessories.



The background of the image features a close-up, slightly blurred view of several stacked aluminum profiles. These profiles have a complex, multi-chambered cross-section with various sized rectangular and hexagonal voids. The lighting is soft, highlighting the metallic texture and the geometric patterns of the profiles. A large, semi-transparent orange triangle is overlaid on the left side of the image, pointing towards the right, which serves as a backdrop for the text.

Aluminium Profile, Components and Spares



Aluminium Profile

Torus Modular Frameworks stock and supply a range of extruded aluminium profile, with various size options and configurations to choose from.

All available quickly and easily from our **Online Shop**.

20x20 Profile



Size variants:

- > 20x20
- > 20x20-3N
- > 20x20-2NVS
- > 20x20-2NP



Available combinations:

- > 20R90



Available combinations:

- > 20x40



Available combinations:

- > 40x40

30x30 Profile



Size variants:

- > 30x30
- > 30x30-3N
- > 30x30-2NVS
- > 30x30-2NP



Available combinations:

- > 30R90
- > 30R60
- > 30R45



Available combinations:

- > 30x60
- > 30x120



Available combinations:

- > 60x60



Available combinations:

- > 30x60x60

Torus Modular Frameworks stock and supply a range of extruded aluminium profile, with various size options and configurations to choose from.

All available quickly and easily from our [Online Shop](#).

40x40 Profile



Size variants:

- > 40x40
- > 40x40-3N
- > 40x40-2NVS
- > 40x40-2NP



Available combinations:

- > 40R90



Available combinations:

- > 40x80
- > 40x120
- > 40x160



Available combinations:

- > 80x80



Available combinations:

- > 40x80x80

45x45 Profile



Size variants:

- > 45x45
- > 45x45L
- > 45x45L-3N
- > 45x45L-2NVS
- > 45x45L-2NP



Available combinations:

- > 45LR90
- > 45R60
- > 45R45
- > 45R30



Available combinations:

- > 45x90L
- > 45x180



Available combinations:

- > 90x90L



Available combinations:

- > 45x90x90L

Components and Spares

Torus Modular Frameworks stock and supply a range of extruded aluminium profile, with various size options and configurations to choose from.

All available quickly and easily from our [Online Shop](#).

T Slot Nut - Plain
Available in 10/100 packs



- > M4 thread, 6mm slot
- > M5 thread, 6mm slot

T Slot Nut - Zinc Plated
Available in 10/100 packs



- Carbon steel**
- > M4 thread, 8mm slot
 - > M5 thread, 8mm slot
 - > M5 thread, 10mm slot
 - > M6 thread, 8mm slot
 - > M6 thread, 10mm slot
 - > M8 thread, 10mm slot

T Slot Nut with spring - Zinc Plated
Available in 10/100 packs



- Carbon steel**
- > M5 thread, 10mm slot
 - > M6 thread, 10mm slot
 - > M8 thread, 10mm slot

T Nut - Zinc Plated
Available in 10/100 packs



- Carbon steel**
- > M5 thread, 8mm slot
 - > M5 thread, 10mm slot

Hammer T Nut - Zinc Plated
Available in 10/100 packs



- Carbon Steel**
- > M4 thread, 6mm slot
 - > M4 thread, 8mm slot
 - > M4 thread, 10mm slot
 - > M5 thread, 8mm slot
 - > M5 thread, 10mm slot
 - > M6 thread, 8mm slot
 - > M6 thread, 10mm slot
 - > M8 thread, 10mm slot

Double T Slot Nut - Zinc Plated
Available in 10/100 packs



- Carbon steel**
- > 70mm length x 2 off
 - M8 thread, 10mm slot

Long T Slot Nut - Zinc Plated
Available in 10/100 packs



- Carbon steel**
- > 140mm length x 4 off
 - M8 thread, 10mm slot

Long T Slot Nut - Zinc Plated
Available in 10/100 packs



- Carbon steel**
- > 120mm length x 4 off
 - M8 thread, 8mm slot

Components and Spares

Torus Modular Frameworks stock and supply a range of extruded aluminium profile, with various size options and configurations to choose from.

All available quickly and easily from our [Online Shop](#).

Inner Connector - Nickel Plated

Available in 10/100 packs



Zinc Alloy

- > 6mm slot
- > 8mm slot
- > 10mm slot

3 Way Cubic Connector

Available in 10 pack



Aluminium - With cover caps

- > 30mm/30mm
- > 40mm/40mm
- > 45mm/45mm

Handle - Black Nylon

Available in 10 pack



- > 180mm hole centres
8.5mm hole dia.
- > 120mm hole centres
8.2mm hole dia.
- > 90mm hole centres
6.5mm hole dia.

Handle - Aluminium

Available in 10 pack



- > 180mm hole centres
8.5mm hole dia.
- > 120mm hole centres
8.2mm hole dia.
- > 90mm hole centres
6.5mm hole dia.

Connection Angle - Alu Alloy

Available in 10 pack



Polished

- > 20mm/20mm, 5mm slot
- > 30mm/30mm, 8mm slot
- > 40mm/40mm, 10mm slot
- > 80mm/80mm, 8/10mm slot
- > 90mm/90mm, 8/10mm slot

Connection Angle - Alu Alloy

Available in 10 pack



Polished

- > 30mm/60mm, 6/8mm slot
- > 40mm/80mm, 8/10mm slot
- > 45mm/90mm, 8/10mm slot

Connection Angle Cover Cap

Available in 10 pack



Black Nylon

- > 20mm/20mm
- > 30mm/30mm
- > 40mm/40mm
- > 45mm/45mm

Connection Angle Cover Cap

Available in 10 pack

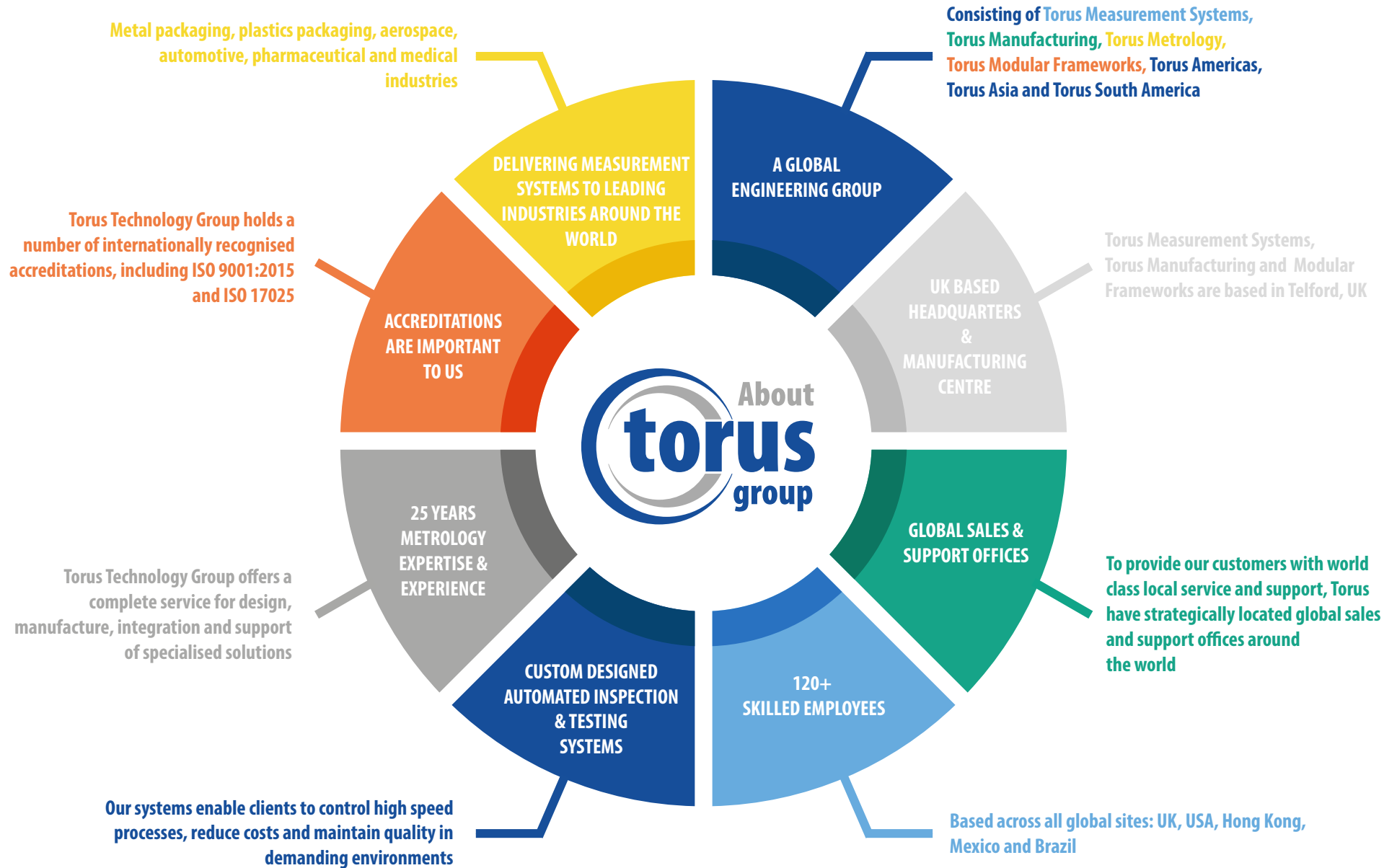


Black Nylon

- > 30mm/60mm
- > 40mm/80mm
- > 45mm/90mm

Who are
Torus Group?





Torus Technology Group are:





www.torus-group.com