PRESTIGE INDUSTRIAL

ENGINEERED IN AUSTRALIA · SOURCED WORLDWIDE

Protective Cases & Packaging Solutions

> Waterproof transit cases, rugged rotomoulded containers and engineered foam interiors — specified around the equipment they carry and the journey it has to survive.

Waterproof PP cases | Trolley & transit | Air transport | 19" rack cases | Rotomoulded PE | IP67 · IPX5 capable

WATERPROOF · DUSTPROOF · DROP PROOF

Built for the journey, not for the shelf.

An O-ring seal, a pressure-equalisation valve and a 6 mm moulded wall — so what arrives is what you packed, after the flight, the truck and the last kilometre.

IP67 | −40 °C to +90 °C | 6 mm wall | Stackable

The case is only half the job

A transit case protects nothing on its own — what protects the equipment is the fit between the shell, the foam and the way the load is actually handled. Prestige Industrial specifies both: a case platform sized to the payload, and an interior engineered around the parts, the tools and the people who open it in the field.

01

Payload Definition

Part sizes, fragility, mass distribution, orientation, access order and how often the case is opened.

02

Case Selection

Internal envelope, wall thickness, wheels and handles, stacking, lid depth and closure system.

03

Interior Engineering

CNC-cut foam, dividers, trays, pluck foam and hard inserts with retention and finger access.

04

Environmental Duty

Ingress protection, temperature range, UV and salt exposure, pressure equalisation and drainage.

05

Transport & Handling

Air-freight dimensions, pallet fit, drop and vibration exposure, lifting points and tie-down.

06

Identification & Branding

Custom colour, printed or moulded logo, asset labels, ID plates and inventory marking.

Typical deliverables

Payload survey · case selection matrix · foam layout drawing · CNC cutting file · sample case with fitted interior · branding artwork proof · packing and inventory documentation

6

Case platforms — PP waterproof, trolley, air transport, rack, gun and rotomoulded PE

IP67

Sealed PP cases with O-ring lid seal and automatic pressure-relief valve

−40 °C

To +90 °C service range across the moulded case range

CNC

Foam interiors cut to the actual payload, not to a stock pattern

AIR-FREIGHT TRANSIT

The case platform range

Six platforms cover the majority of equipment-transit duty. Each is a configurable base — the shell is standard, the interior is not.

Waterproof PP

Protective Equipment Case

Injection-moulded PP shell with O-ring lid seal, pressure-relief valve and stainless hardware.

169×123×50 to **933×661×577** mm · IP67 · −40 to +90 °C

Trolley

Wheeled Transit Case

Retractable tow handle and moulded-in wheels for single-person movement of heavy payloads.

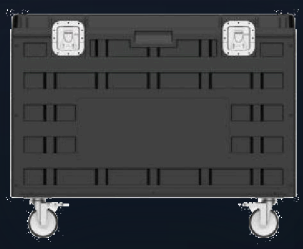
545×345×225 to **1116×404×341** mm · 5.7 – 13.9 kg empty

Air transport

Freight Container Case

Removable assembly design with butterfly buckles, four handles and four casters; ships flat.

937×580×736 / **1084×688×736** mm · IPX5 · 36 – 39 kg



Rack case

19” Rackmount Case

Collapsible waterproof rackmount housing with automatic pressure-relief valve for mobile racks.

612×483×326 mm · **4U** · IPX5 · 10.7 kg

Long case

Rifle & Instrument Case

Long-format case for rifles, bows, survey staves, antennas and other extended assemblies.

978×419×172 to **1510×486×180** mm · 3.6 mm wall

Rotomoulded PE

Rugged Field Container

Rotationally moulded polyethylene with metal drawstring latches — the heavy-duty deployment option.

403×373×260 to **1708×683×333** mm · 2.7 – 35.6 kg

Common to all platforms

Moulded polymer shells, corrosion-resistant hardware and a service range of −40 °C to +90 °C.

Sealing

Continuous O-ring lid seal with automatic pressure-relief valve for air freight and altitude change.

Colours

Black, olive, orange and yellow as standard across most sizes; custom colour to order.

Interiors

Supplied empty, with pluck foam, with egg-crate lid foam or with a CNC-cut custom interior.

Configurable, not fixed. Tables in this document list standard platform sizes for reference. Interior layout, foam density, colour, branding and hardware are specified per project.

Specialist cases & field packaging

Beyond the main transit platforms, we source packaging built for a specific duty — pocket-scale instrument protection, cold-chain transport and deployable field furniture.

Micro dry box

Personal Dry Cases

PC shell with rubber liner and carabiner for phones, radios, optics, keys and documents.

208×110×60 / 208×128×60 mm internal · water resistant

Insulated

Cooler & Cold-Chain Boxes

Insulated boxes for samples, reagents, medical payloads and site catering.

Multiple capacities · moulded handles · drain plug

Field desk

Deployable Field Desk

Packs into an airtight watertight case; opens to two desk surfaces, two chairs and four drawers.

Unfolded 1920×500×752 · folded 640×530×752 mm

Roto rack

Rotomoulded Rack Container

Shock-mounted rack container for deployable comms, test and broadcast systems.

Secured

Lockable & Programmable

Integrated combination and biometric lock options where chain-of-custody matters.

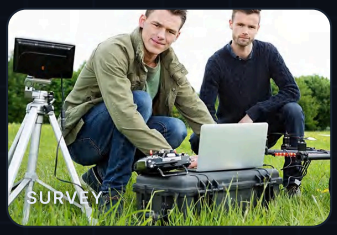
Custom

Engineered Foam Interiors

CNC-cut foam, dividers and hard trays designed around the actual payload and its tools.

Packaging beyond the case

Where a case is not the answer we specify the rest of the chain — foam-in-place inserts, moulded trays, ESD-safe liners, desiccant and humidity indicators, timber and plywood export crates, pallet fit and container loading plans.



Platform comparison

Standard construction for each platform. All moulded cases carry an O-ring lid seal; sealed platforms add an automatic pressure-relief valve for air freight.

STANDARD PLATFORM CONSTRUCTION

PLATFORM	MATERIAL	SEALING	INGRESS	WHEELS	TEMPERATURE	INTERIOR OPTIONS
Waterproof PP	Injection-moulded polypropylene	O-ring + relief valve	IP67	Larger sizes	−40 / +90 °C	Empty · pluck · CNC foam
Trolley	Injection-moulded polypropylene	O-ring + relief valve	IP67	Yes + tow handle	−40 / +90 °C	Pluck · CNC foam · trays
Air transport	Polypropylene, demountable	Butterfly buckles	IPX5	4 casters	−40 / +90 °C	Dividers · LED screen bays
Rack case	Polypropylene, collapsible	O-ring + relief valve	IPX5	Yes	−40 / +90 °C	19" rack rails, 4U
Long / rifle	Polypropylene, 3.6 mm wall	O-ring lid seal	IP67	2 wheels on long sizes	−40 / +90 °C	Egg-crate + pluck foam
Rotomoulded	Rotationally moulded polyethylene	O-ring + metal drawstring	Watertight	Selected sizes	−40 / +90 °C	Egg foam · shock mounts

CHOOSING A PLATFORM

IF THE PAYLOAD IS…	START WITH	BECAUSE
Hand-carried instruments, cameras, optics, test gear	**Waterproof PP**	Best protection-to-weight; full CNC foam options across a fine size ladder
Over roughly 15 kg, moved by one person	**Trolley**	Tow handle and moulded wheels remove the two-person lift
Consolidated freight, repeat air movements	**Air transport**	Demountable shell ships flat on the return leg and cuts logistics cost
Rack-mounted comms, test or broadcast equipment	**Rack case**	19" rails and shock mounting in a sealed, wheeled housing
Long, thin assemblies — rifles, staves, antennas	**Long / rifle**	Extended format with wall thickness to resist point loading
Sustained field deployment and rough handling	**Rotomoulded**	Thick seamless PE wall, metal latches and stackable geometry

Stacking & pallet fit

Case footprints are checked against pallet and ULD dimensions so the load plan does not waste a layer.

Handling hardware

Handle count and position, wheel type, tie-down points and lift assist are set by filled weight, not empty weight.

Serviceability

Latches, seals, valves, wheels and handles are replaceable, so a damaged case is repaired rather than replaced.

Reference data. Sizes reflect the standard manufacturing platform. Ingress ratings and environmental performance depend on the agreed configuration and formal test results.

Waterproof PP Case — selection

Standard configuration

- Injection-moulded polypropylene shell, UV and impact resistant
- Continuous O-ring lid seal with automatic pressure-relief valve
- Service range **−40 °C to +90 °C**; ingress protection to **IP67**
- Stainless hinge pins, moulded latches and padlockable hasps
- Supplied empty, with pluck foam, or with a CNC-cut custom interior

COMPACT & MID SIZES

MODEL	EXTERNAL (MM)	INTERNAL (MM)	WEIGHT
130904	169×123×50	130×90×40	0.21 kg
160705	197×100×61	160×70×50	0.23 kg
161004	199×130×53	160×100×40	0.27 kg
161007	199×130×79	160×100×70	0.31 kg
211106	247×143×66	208×110×60	0.38 kg
211306	248×159×65	208×128×60	0.42 kg
171305	190×175×60	170×134×44	0.42 kg
191208	219×185×104	193×122×85	0.87 kg
191213	219×185×154	193×122×135	1.10 kg
211511	252×218×122	212×148×110	0.90 kg
221609	250×218×113	220×161×93	1.00 kg
221614	250×218×166	225×162×145	1.30 kg
231815	270×231×180	244×185×153	1.30 kg
221416	241×192×198	217×140×160	1.16 kg

STANDARD & LARGE SIZES

MODEL	EXTERNAL (MM)	INTERNAL (MM)	WEIGHT
301910	320×239×115	301×187×93	1.25 kg
302321	324×282×222	300×232×210	1.50 kg
372415	389×295×164	369×241×147	1.81 kg
483428	497×395×304	468×339×286	3.94 kg
483721	502×431×224	—	—
533120	545×345×225	530×310×200	5.75 kg
523923	571×448×273	516×391×228	5.80 kg
574427	627×500×316	572×443×271	6.80 kg
655920	727×658×241	655×595×201	10.86 kg
715430	789×590×341	686×519×289	7.95 kg
744537	800×504×397	744×454×379	8.93 kg
764830	851×550×350	763×484×306	13.90 kg
616161	684×685×640	620×620×585	16.45 kg
866045	933×661×577	868×595×426	18.10 kg

Weights are for the empty case. **533120, 523923, 574427, 655920, 715430 and 764830** are supplied with wheels and a retractable tow handle. A representative subset is shown — intermediate sizes are available.

ROTATIONALLY MOULDED POLYETHYLENE

Rugged and robust. Made to stay out there.

Where a thinner injection-moulded shell would fatigue, a seamless rotomoulded wall and metal drawstring latches keep going — through sustained deployment, external stacking and years of rough handling.

R-Series | 2.7 – 35.6 kg | Metal drawstring latches | Shock-mounted rack variants

Rotomoulded PE — R-Series

Construction

- Seamless rotationally moulded polyethylene
- O-ring seal with metal drawstring latches
- Egg-crate lid foam; shock mounts on rack variants
- Stacking geometry and recessed ID label area
- Army green, black, orange or yellow

R-SERIES SELECTION TABLE

MODEL	EXTERNAL (MM)	INTERNAL (MM)	LID DEPTH	BASE DEPTH	WEIGHT	WHEELS
R312824	403×373×260	315×285×225	40 mm	184 mm	5.0 kg	—
R392914	478×378×173	390×290×146	54 mm	92 mm	2.7 kg	—
R422815	508×373×177	420×285×150	48 mm	102 mm	4.5 kg	—
R493231	578×410×350	492×322×315	40 mm	275 mm	7.2 kg	—
R523622	624×448×245	520×360×202	65 mm	137 mm	5.5 kg	Yes
R534338	618×518×410	530×430×369	103 mm	266 mm	10.0 kg	—
R573725	635×435×270	575×375×253	73 mm	180 mm	8.1 kg	—
R724832	603×375×355	715×485×320	68 mm	252 mm	11.2 kg	—
R735340	818×618×445	730×530×404	58 mm	346 mm	14.0 kg	—
R764646	839×534×506	761×456×483	75 mm	393 mm	12.6 kg	Yes
R796746	878×758×500	790×670×459	93 mm	366 mm	18.1 kg	—
R804633	888×548×386	800×460×324	58 mm	266 mm	12.4 kg	—
R806050	880×600×500	726×526×430	80 mm	350 mm	15.7 kg	—
R606035	600×600×350	526×526×313	60 mm	224 mm	10.0 kg	—
R1127254	1208×803×575	1124×719×534	108 mm	426 mm	35.6 kg	—
R1606029	1708×683×333	1605×595×280	90 mm	190 mm	23.7 kg	Yes

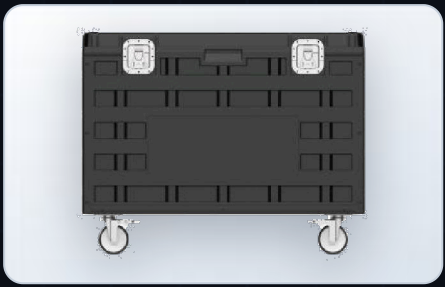
Where the R-Series earns its keep

Sustained field deployment, repeated rough handling, external stacking and storage where a thinner injection-moulded shell would fatigue. Common in defence, emergency response, mining and remote infrastructure.

Rack variants

Rotomoulded rack containers accept 19" equipment on internal shock mounts, giving a transportable rack that survives vehicle and air movement without a separate outer crate.

Air Transport, Rack & Long Cases



AIR TRANSPORT CASE

MODEL	EXTERNAL (MM)	INTERNAL (MM)	WEIGHT	RATING
895354	937×580×736	879×522×550	36 kg	IPX5
1046454	1084×688×736	1026×630×550	39 kg	IPX5

Key features

- Removable assembly design — ships flat on the return leg
- Four butterfly buckles with lock holes, four handles, four casters
- Interior can carry up to eight LED screen bays or custom dividers
- DIY assembly on site, reducing logistics expense per movement

19" RACK CASE

MODEL	EXTERNAL (MM)	CAPACITY	WEIGHT	RATING
614832-4U	612×483×326	4U	10.7 kg	IPX5

LONG / RIFLE & BOW CASES

MODEL	EXTERNAL (MM)	INTERNAL (MM)	WEIGHT	WHEELS
933615	978×419×173	930×356×152	6.4 kg	—
1004114	1060×466×173	1000×410×143	7.0 kg	2
1063532	1116×404×341	1061×348×319	9.5 kg	Yes
1222311	1252×294×130	1220×230×100	6.1 kg	—
1283715	1343×430×180	1280×370×150	8.0 kg	2
1333816	1396×449×188	1333×380×157	8.8 kg	2
1454315	1510×486×180	1450×430×150	9.5 kg	2

Long-format construction

Wall thickness 3.6 mm through the long sizes to resist point loading and flex across the span. Egg-crate lid foam with pluck or CNC base foam retains the payload against end-impact. Suits rifles, bows, survey staves, antennas, light bars and long instruments.

Security

Padlockable hasps as standard; integrated combination and biometric lock panels available where transport regulation or chain-of-custody requires a recorded opening.

Anatomy of a sealed case

Every feature on a transit case exists to solve a specific failure mode. These are the ones worth checking before a platform is signed off.

01 · Waterproof O-ring seal
Continuous moulded seal compressed by the latches — the primary barrier against water and dust ingress.

02 · Air valve
Balances pressure between inside and outside after altitude or temperature change, so the lid still opens.

03 · Lid egg foam
Egg-crate lid layer holds the payload down against the base foam and absorbs lid-side impact.

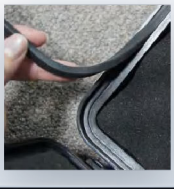
04 · Pre-cubed foam
Scored base foam plucked to shape on site, or replaced with a CNC-cut interior.

05 · Special lock
Labor-saving over-centre latch with self-opening guard and a lock hole for padlock or TSA barrel.

06 · Wall thickness 6 mm
Measured shell section on the larger platforms — the reason the case resists point loading and stacking.

07 · Rubber handle & wheels
Comfort-grip handle, plus wheels running on stainless steel pins that survive washdown.

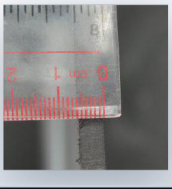
08 · Name plate & stacking
Recessed panel for asset marking; lid and base geometry interlock so filled cases stack safely.



O-ring seal

Self-opening latch

Pressure-balance valve



6 mm wall section

MATERIALS & PROTECTION

DESIGN ITEM	OPTIONS	APPLICATION CONSIDERATIONS
Shell material	Injection-moulded PP · rotationally moulded PE · PC micro cases	Impact energy, wall thickness, weight, UV exposure and cost per unit
Sealing	O-ring lid seal, gasket profile, relief valve, drain plug	Immersion vs splash duty, altitude change, washdown and condensation
Foam system	Pluck foam · CNC-cut · layered densities · anti-static grades	Fragility, mass, retention, finger access and repeat open cycles
Hardware	Latches, hinges, padlock hasps, handles, wheels, tie-down points	Filled weight, handling frequency and field replaceability
Marking	Moulded logo, pad print, laser, printed labels, ID plate	Abrasion, chemical exposure, asset tracking and brand requirements

IP67

Immersion sealed

Sealed PP platforms are built to IP67 — dust-tight and protected against temporary immersion, subject to the agreed test scope.

IPX5

Jet-spray rated

Air transport and rack platforms are rated IPX5 against water jets from any direction.

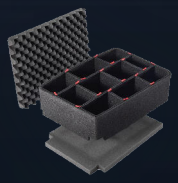
−40/90

Service range

Moulded shells hold their properties from −40 °C to +90 °C, covering hold, tarmac and desert exposure.

The interior is the engineering

Two cases with the same shell can perform completely differently. What separates them is the foam: its density, how the cavities are cut, how the payload is retained and how quickly a tired operator can get the right item out and put it back in the right place.



Corrugated partition

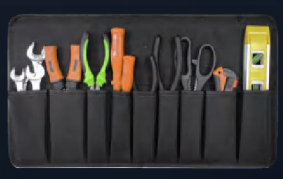
Rigid cell partitions in custom sizes and colours, with egg-crate lid foam over the top.

Velcro partition cotton

Padded dividers repositioned on hook-and-loop — for camera bodies, lenses and mixed kit.

Nylon partition

Lightweight nylon cells and pockets where foam would waste volume or add mass.



Lid file bag & tool roll

Lid-mounted document pockets and tool rolls that use the otherwise-dead lid volume.

Foam options

- **Pluck foam** — pre-scored cubes, shaped on site; fastest route to a working case
- **CNC-cut foam** — machined from a drawing to the exact payload, repeatable across a fleet
- **Layered densities** — soft contact layer over a firm structural base to control deceleration
- **Hard trays & dividers** — for parts handled constantly or needing a wipe-clean surface
- **Anti-static grades** — for boards, sensors and other ESD-sensitive assemblies

What we design for

- Retention — the payload cannot shift, rattle or load its own connectors
- Finger access — cut-outs let gloved hands lift parts without prying
- Obvious repacking — a missing item is visible at a glance before the lid closes
- Wear life — foam survives the open/close cycle count, not just the first trip
- Serviceability — layers can be replaced individually as the payload changes

Branding & identification

Custom shell colour, moulded or printed logo, pad-printed part identifiers, laser-marked asset numbers, recessed ID plates and inventory labels — specified so that marking survives the same environment as the case.

From your CAD

Where models exist we cut foam directly from geometry, with clearance and draft applied for real-world handling.

From your parts

Where they do not, we work from the physical payload — measured, laid out and proven in a sample before release.

Fleet repeatability

Once approved, the cutting file is the master record, so case 200 is identical to case 1.

APPLICATIONS

Where these cases go

Typical payloads

- Test, measurement and calibration instruments
- Cameras, lenses, gimbals, lighting and audio kit
- UAV airframes, batteries, controllers and spares
- Survey total stations, GNSS receivers and staves
- Medical, diagnostic and sampling equipment
- Comms, networking and portable rack systems

What usually drives the spec

- The most fragile item, not the largest one
- Filled weight against a one-person lift limit
- Air-freight dimensional and pallet constraints
- How often the case is opened, and by whom
- Whether items must be checked in and out on sight

The same case rarely suits two of these

A survey crew opens its case twenty times a day and needs instant visual stock-take. A defence pallet is opened twice a year and needs to survive everything in between. Same shell, completely different interior — which is why we specify the interior separately from the platform.

Fleet consistency
Where a client runs dozens of identical kits, one approved cutting file keeps every case the same and makes a missing item obvious.

Mixed payloads
Where the contents change per job, we favour repositionable dividers and lid organisers over cut foam.

Regulated transport
Where the movement is regulated, lock type, marking and documentation are specified alongside the case.

Critical quality control points

A
Moulding quality
Wall thickness, sink marks, weld lines, warp and dimensional stability across the shell.

B
Seal integrity
O-ring seating and continuity, latch clamp load, lid gap and valve function.

C
Hardware function
Latches, hinges, hasps, handles, wheels and tow handles cycled and checked under load.

D
Foam accuracy
Cavity dimensions, depth, retention fit and finger access verified against the released cutting file.

E
Marking & finish
Colour match, print registration, adhesion and cosmetic acceptance on visible faces.

F
Packed condition
Filled weight, closure, labelling and shipping-carton fit checked as delivered.

Sample first, fleet second

We recommend proving one fully fitted case with the real payload before a fleet order — loaded, closed, carried, opened and repacked by the people who will actually use it. Foam changes are cheap at sample stage and expensive at case 200.

STAGE GATES AND RELEASE CRITERIA

STAGE	OUTPUT / RECORD	RELEASE CRITERIA
Payload survey	Item list, dimensions, masses, fragility and access order	Payload agreed and frozen for the layout
Case selection	Platform, size, colour, hardware and interior strategy	Internal envelope and filled weight accepted
Foam layout	Layout drawing and CNC cutting file	Retention, access and repack logic signed off
Sample case	Fitted sample with real payload, plus issue list	Fit, function and handling confirmed in use
Fleet delivery	Inspection records, marking proof and packing list	Consistency against the approved sample

1
Fitted sample proven before any fleet quantity is released

CNC
Cutting file held as the master record for repeat orders

100%
Seal and hardware function checked on fitted cases

Batch
Traceability retained against each production batch

Recommended project approach

01
Payload Survey
Item list, dimensions, masses, fragility, access order and open frequency.

02
Duty Definition
Transport mode, environment, handling, security and service life.

03
Case Selection
Platform, internal envelope, hardware, colour and filled-weight check.

04
Interior Layout
Foam strategy, cavity layout, retention, finger access and repack logic.

05
Fitted Sample
One case built with the real payload and reviewed in use.

06
Design Release
Cutting file, marking artwork and specification frozen for production.

07
Fleet Production
Batch manufacture, fitting, marking and inspection to the approved sample.

08
Delivery & Support
Packing, documentation, spares for latches, seals and foam layers.

What we need from you

- The payload — models, dimensions or the physical items
- Transport mode, environment and handling reality
- Quantity, target cost and required delivery date
- Branding, asset marking and any security requirement

What you receive

- Case selection matrix with filled-weight check
- Foam layout drawing and CNC cutting file
- A fitted sample proven with your own equipment
- A repeatable fleet specification and spares list

PRESTIGE INDUSTRIAL

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NEXT STEP

Send us the payload. We will send back a case that fits it.

Start with the item list, the way it travels and how often it gets opened. We can specify the platform and interior, then build one fitted sample to prove it before you commit to a fleet.

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Mobile Lighting & Power | Industrial HVAC & Cooling | Protective Transit Cases | Metal Enclosures & Cabinets