ANYLOAD®

STEEL DECK TRUCK SCALE

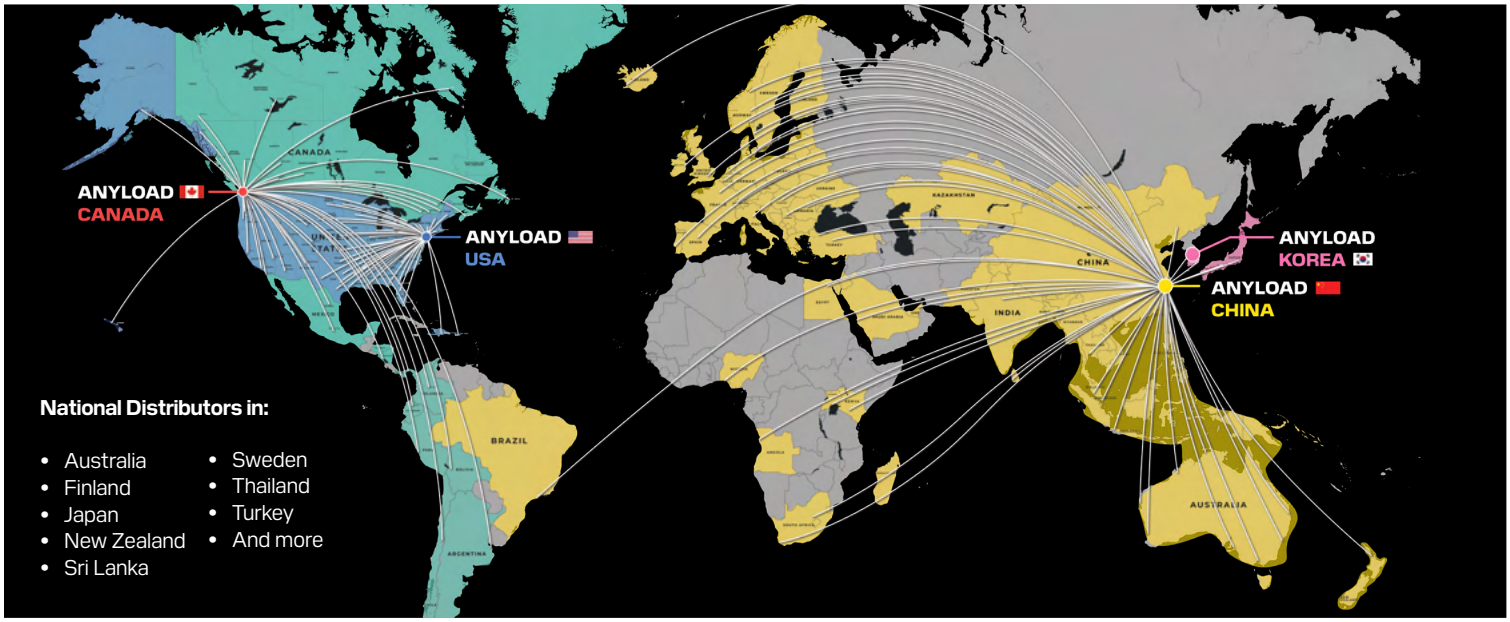
OTTER

OTTER TRUCK SCALE

Simple Installation - Heavy Duty - Built to Last

www.anyload.com

ANYLOAD®



ABOUT ANYLOAD

ANYLOAD is a privately-held Canadian company with more than 30 years of experience in load cells, weighing systems, and force measurement technologies. With offices and distribution hubs in Canada, the United States, China, Hong Kong, and South Korea, we support customers worldwide where accuracy and reliability matter.

Our expertise ranges from multi-axial force sensors for aerospace and automotive testing to industrial truck and rail scales used in construction, logistics, agriculture, and energy. Projects span from kiloton-rated equipment to sensitive laboratory instruments, giving us a foundation in both heavy-duty and high-precision weighing applications.

We are a vertically integrated manufacturer, designing and producing our own load cells, junction boxes, indicators, and more. With dedicated in-house testing laboratories for both R&D and quality assurance, we maintain direct control from concept to finished product. Our products are backed by ISO9001 and VCAP accreditation, a wide range of OIML and intrinsically safe approval certificates.

Canadian Headquarters and Distribution Center

USA Office, Warehouse, and Operations Hub

China Manufacturing Hub and Distribution Center

Korea Manufacturing Hub, R&D, and Distribution Center

OTTER Truck Scale

Unyielding OTTER Truck Scale Strength

The OTTER steel deck truck scale is crafted for exceptional durability, precision, and efficiency

TRUSTED TO PERFORM

Proven in Harsh Environments

ANYLOAD weighing systems are relied upon in some of the world's toughest regions—from the extreme heat of the Australian outback to the subzero cold of Northern Canada.

In many of these areas, a single service call may require a full day of travel and disrupt critical operations. There is no room for compromise when equipment supports essential operations, logistics, and infrastructure.

Our scales are chosen by professionals who understand the true cost of downtime and who value equipment designed to last in the field. With Canadian engineering and global support, ANYLOAD delivers solutions built for operations that cannot afford failure.

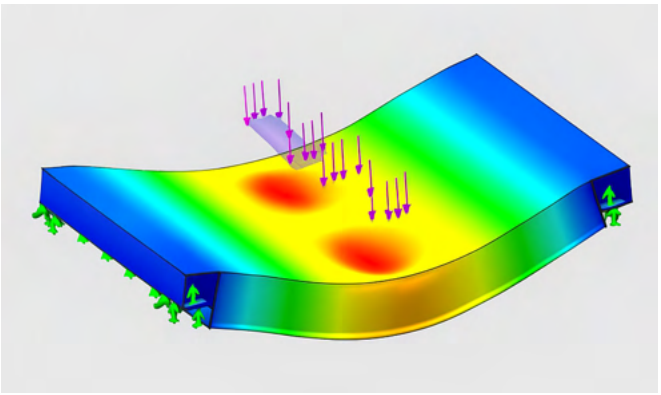
EXCEPTIONAL DURABILITY

Designed Smarter, Built Better

The OTTER-series truck scale is engineered for long-term performance under heavy and repeated axle loads. Each module is verified through finite element analysis (FEA) to identify stress points, improve fatigue resistance, and ensure stable weighing accuracy over time.

Design refinements come directly from the field, incorporating feedback from dealers, service technicians, and installation crews. The result is a scale that is easier to assemble, more rugged in daily operation, and reliable across a wide range of conditions.

- Validated with FEA modeling
- Reinforced at structural load paths
- Modular sections for easier transport and installation
- Proven in demanding service environments



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PN-250902

TRUCK SCALE Features

Steel Guardrails
Side railings to enhance driver, scale, and vehicle safety. Different railings options available for configuration

Diamond Plate
Diamond pattern non-slip plating for enhanced traction

Continuous Welding
Automated multi-head welding creates fully sealed, low-oxygen and moisture free to arrest corrosion of channel interiors

U-Channel / Orthotropic Ribs

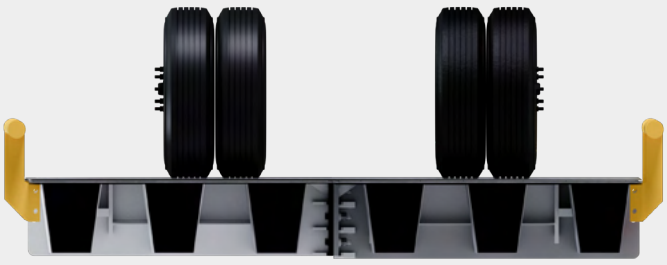
- Even load distribution reduces stress on individual members
- Greater rigidity and fatigue resistance for long-term stability
- High strength-to-weight ratio for improved portability and handling

Modular Sections
Each scale section is precisely manufactured to enable modularity. Scale sections can be added, removed, or swapped to create weighbridges of different total lengths. Convenient for portable/rental applications, cost-effective for future site expansions.

Galvanized Conduits
Maintain serviceability with rust-free cable conduit tubes

106HS Canister Load Cell
OIML-approved IP68 stainless analog rocker column load cell with superior anti-rotation and self-alignment properties.

U-CHANNEL Construction



Optimized Load Distribution: The orthotropic structure channels stress across a larger surface area, minimizing localized fatigue and preventing deformation that can impact weighing accuracy and safety.
Efficient Weight-to-Strength Ratio: Orthotropic design achieves a stronger platform when using the same amount of steel as I-beam designs, offering better portability.
Superior Long-Term Flatness: Orthotropic decks maintain consistent surface integrity under repetitive loading, supporting better calibration retention and more stable weighing performance.

MANUFACTURING Process

Precision Cutting & Forming
All structural components are produced using automated CNC laser cutting and hydraulic folding, achieving fabrication tolerances < 0.5 mm to ensure precise fit and assembly.

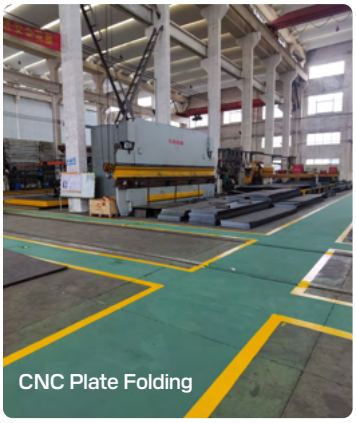
Structural Welding & Assembly
Key seams are precision-fixtured and joined using multi-head robotic welding systems, producing continuous deep-penetration welds > 4m in length.

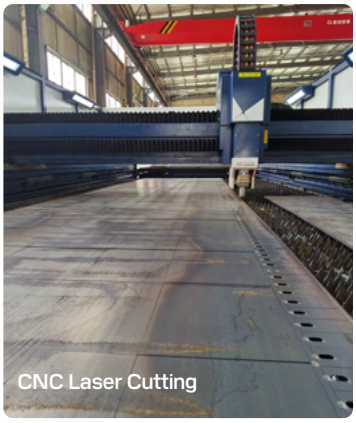
Hydraulic Pre-Cambering
Each deck section is also hydraulically pre-cambered with >1 cm upward bend to reduce mid-span deflection and improve long-term fatigue resistance.

Surface Preparation
Before painting, scale sections undergo automated 12-nozzle omni-directional shot blasting to ISO 8501 (Sa 2.5) surface prep standards. This creates a clean, uniformly etched surface for maximum coating adhesion and long-term corrosion protection.

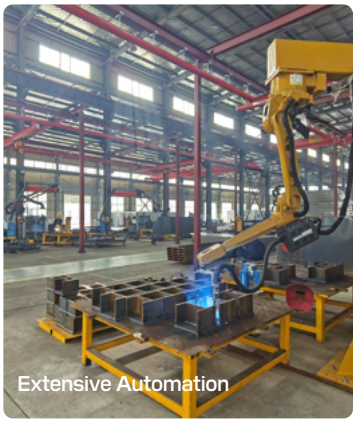
Painting & Curing
Scales are finished with a two-layer resin epoxy automotive paint, applied and cured in a sealed, clean room-controlled environment. Strict regulation of dust, humidity, and temperature ensures optimal paint bond, UV resistance, and coating longevity even in extreme climates.

Automation Consistency
Key manufacturing stages are driven by automated systems and robotic equipment to maintain consistent tolerances, repeatable weld quality, and precision assembly.

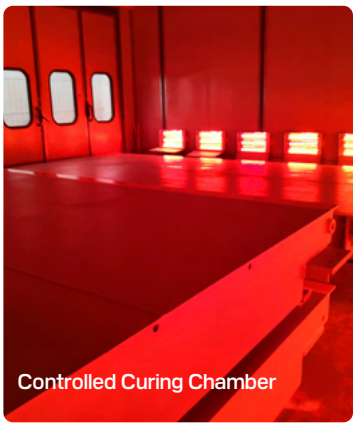

CNC Plate Folding


CNC Laser Cutting


Continuous Multi-head Welding


Extensive Automation


Steel Bead Shot-blasting


Controlled Curing Chamber

CONTAINERIZED Weighbridge

- Containerized logistics for efficient sea/rail/truck freight
- Every scale is pre-assembled to ensure fit before shipping
- Ships globally ready for simple unloading and assembly

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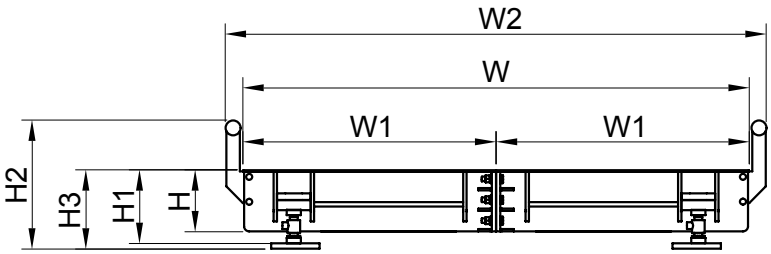
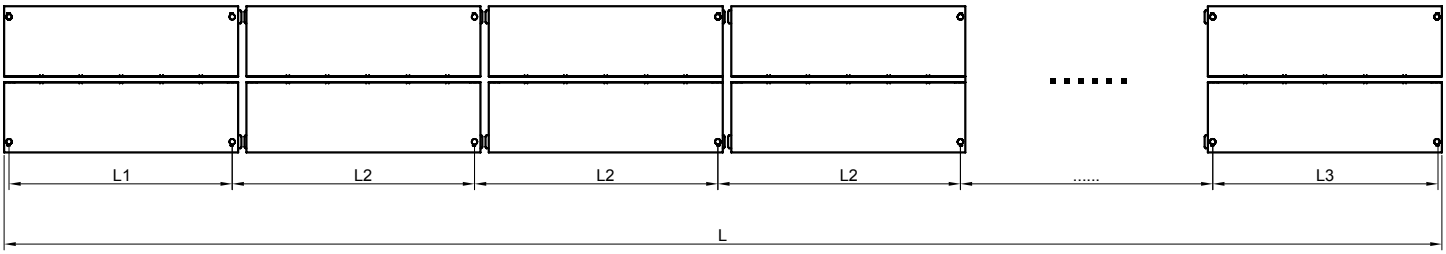
STANDARD SPECIFICATIONS



WIDTH		
W	**W1**	**W2**
2.98m	1.49m	3.18m
3.0m	1.50m	3.2m
3.4m	1.70m	3.60m

HEIGHT			
H	**H1**	**H2**	**H3**
370mm	440mm	700mm	460mm

Multistage Truck Scales



O = Load Cell Placement

Total Length (L)	Section Length (L1)	Section Length (L2)	Section Length (L3)	CLC Rating	Full Scale Capacity	Scale Sections	Load Cell & Mounts
7m	6740mm	-	-	25t	60t	1	4
14m	6870mm	6870mm	-	30t	80t	2	6
18m	5870mm	6000mm	5870mm	45t	100t	3	8
21m	4870mm	5000mm	5870mm	60t	150t	4	10
48m	5870mm	6000mm	5870mm	60t	150t	8	18

*Additional dimensions and specifications are detailed in the OTTER-series technical datasheet and product webpage. Custom dimensions to fit existing foundations and special designs/configurations built to meet special applicational requirements can be provided.

Our technical team is available to discuss your project and provide consultation, ensuring specifications are clear and our truck scales are properly integrated from the start.

SPECIFICATIONS	
Weighbridge Type	Multi-module containerized steel deck
Standard Module Sizes	4m, 5m, 6m
Scale Length	4m to 48m
Scale Width	3.4m, 3m, 2.98m
Scale Width for Shipping	1.7m, 1.5m, 1.49m
Scale Weight	450kg per linear meter
Deck Height	37cm integral, 44cm installed
Top Deck Thickness	8mm, 10mm, or 12mm
Scale nMax (e)	3000 or 6000
Rated Axle Load	28t DTA (dual tandem axle)
Minimum Axle Spacing	1.2m for 28t DTA
Load Cell	ANYLOAD® 106HS
OIML Approval (Legal-for-Trade)	OIML MAA C3, Y=16 000
Overload Resistance	Safe: 150%, Breaking: 300% of Full Scale
Protection Classification	Laser Weld Seal; IP68 waterproof
Operating Temperature Range	-30°C to 70°C
Compensated Temperature Range	-10°C to 50°C (Directive 2014/31/EU)

FEATURES & OPTIONS	STANDARD	OPTIONAL
Lightning Protection	√	-
Standard Module Sizes	√	-
Continuous Welding	√	-
Lateral & Longitudinal Checking	√	-
Diamond Plate Top Deck	√	-
Stainless Steel Load Cell & J-Box	√	-
EX Intrinsic Safety (ATEX, IECEx)	-	√
Scale Terminal, Remote Display	-	√
Guard Rails	-	√
Portability Subframe	-	√
Ramps	-	√
Scale Risers	-	√
Galvanized/ Stainless Weighbridge	-	√
Extended Warranty	-	√

Sales & Technical Assistance:

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ISO 45001
Occupational Health & Safety

ISO 9001
Quality Management Systems

ISO 14001
Environmental Management Systems

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