

Modular Weighbridge

- Are you still worried that the shipping cost of weighbridge from China is too high?
- Are you still complained that the delivery time of weighbridges from China is too long?
- Are you still unsatisfied the quality of weighbridges from other Chinese suppliers, such as welding, strength, and rust protection?

Now our SCS-M Modular Weighbridges can solve all the above problems. Our steel weighbridges adopt completely new structure design, offering higher strength, greater reliability and faster installation than conventional systems.

What will you benefit from our SCS-M weighbridges?

(1). The real modularized structure, outstanding exchangeability.

There are only three kinds of modules, with which we can get any size of weighbridge you want: 3x8, 10, 12, 14, 16, 18, 20, 22, 24m. Also you can easily enlarge the length from 12m to 18m, or from 18m to 22m only by adding 3 pieces of modules, which saves a lot of cost for customers.

(2). More pieces of weighbridges can be loaded into a 20ft container.

The structure is specially designed as per the inner dimension of 20ft container. The full use of container is to the utmost.

(3). Ideal delivery time

Real modularized structure ensures us to keep enough modules in stock. That means we can deliver in very short time. Usually, 2 sets of 18x3m weighbridges can be delivered in 10 days, if the order is stable and large, the delivery time will be shorter.

(4). High strength and heavy duty structure

Full checker plate deck (8+2mm), 8 pieces of 6mm thick U-beams are welded for each modular part. CO2 protection welding and Automatic union melt welding of weighbridges ensure each u-beam fully sealed. The CO2 protection welding is standard fillet weld with no end, the weld leg of which is at least 8mm.

(5). Exceptional rust and corrosion protection, outstanding resistance to wear.

Rust protection processes

Step 1: Sandblasting

External surfaces of all modules undergo complete sandblasting to remove any contaminants such as mill scale, welding gases, oil or other residue. We use a centrifugal steel shot blasting system which blasts a mixture of steel grit and steel shot simultaneously to remove contaminants. If the steel is not properly cleaned, paint will flake and wear away, diminishing its appearance, exposing the scale to the elements and shortening its lifespan. Although paint can initially hide much of this residue on a lower quality weighbridge, it will quickly appear once in the field. We use an intense cleaning process to remove all foreign materials and residue before painting to ensure proper bonding of the paint.

Sandblasting Cleaning: Sa2.5

Surface Roughness: 30~75µm

Step 2: Protective coating

All non-visible steel surfaces are evenly sprayed with an asphalt emulsion coating to protect the steel from internal moisture due to high humidity, excessive rain or standing water under the scale.

Step 3: Epoxy primer

Once the steel is properly cleaned and prepped, all visible surfaces receive a 4 mil thick coat of high performance epoxy primer. This primer has excellent adhesion to steel, high color retention, rust and corrosion resistance.

Step 4: Alkyd enamel finish

3 mill thick specialized hard-coat alkyd enamel finish is applied over the epoxy primer.

(6). Fast and economical installation, even in restricted sites.

SCS-M weighbridge is humanized designed structure. During assembling, no need to turn over the bridges. It takes usually 5 hours by 2 people to finish the installation of 1 complete set of 18x3m weighbridge. Even in the place without crane, the weighbridge can be easily installed by forklift.

(7). Convenient access

Removable section covers allow convenient access for maintenance and service.

(8). No exposed wiring

High quality plastic hot water pipes are applied in the weighbridge to protect the cable, which has outstanding rust protection performance and won't damage the cable.

(9). Low profile

The height from base-plate to top deck is only 340mm