

# COMBi-CSS CONTAINER LOADER

Load and unload containers quickly and safely with the Combi-CSS. Add loads of up to 30,000 kgs in 6 minutes.

LOAD A 40' CONTAINER  
IN 6 MINUTES



**COMBiLiFT**  
LIFTING INNOVATION



Large Fabrications



Steel, Aluminum, Pipe & Tube



Forest Products



# LOAD A CONTAINER IN UNDER 6 MINUTES

Loading containers can be a costly and time consuming process, often performed using unsafe procedures by multiple forklifts and many operators.

The CSS from Combilift, is the ultimate alternative to traditional container loading and unloading.

All loading is done outside the container. The load, weighing up to 30,000 kgs can be safely and quickly formed on the platform, to optimum capacity, by one forklift and a single operator.

ROI will be achieved in a very short time and for this reason the Combi-CSS is the obvious choice for container loading.



## HOW THE COMBI-CSS WORKS

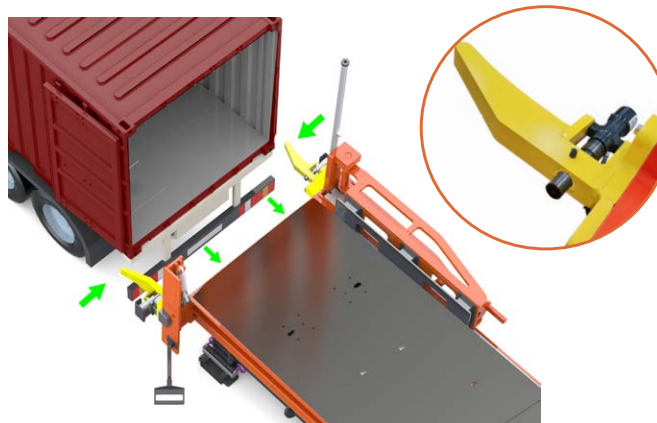
- 2 The truck docks the container against the Combi-CSS via our proprietary **Guided Locking System**.



- 3 A **Laser Alignment System** provides the operator with a visual aid for alignment of the container to the Combi-CSS.

It also automatically detects the container length and sets the travel distance of the Slip-Sheet into the container

- 4 **Hydraulic Pins** on either side engage the corner castings of the container to anchor the container to the Combi-CSS.



- 1 The lumber is pre-loaded onto the **Hardox® 500 steel Slip-Sheet** platform.

- 5 A **Hydraulic Platform Leveling** system at the front and rear of the Combi-CSS adjusts the **Height and Pitch** to precisely align with the container.

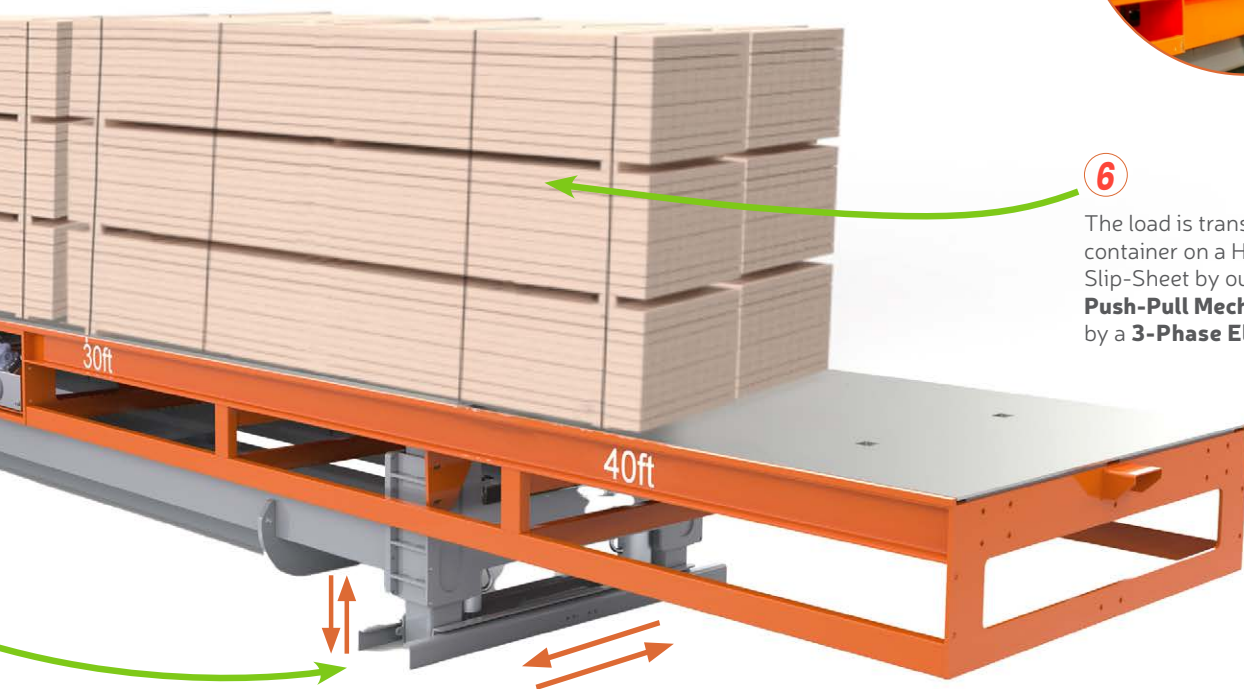


7 The **Load Retention Barrier** closes across the container, holding the load within the container while the Slip-Sheet hydraulically retracts.



6

The load is transferred into the container on a Hardox 500 steel Slip-Sheet by our **Patented Push-Pull Mechanism**, powered by a **3-Phase Electric motor**.



## SAFER, MORE COST EFFECTIVE CONTAINER STUFFING & DE-STUFFING

### CONTAINER STUFFING

The product is pre-loaded on the Slip-Sheet ready for loading into the container.

### CONTAINER DE-STUFFING

The Slip-Sheet power glides under the product and removes it from the container as a unit load.

- Eliminates the need for costly open-top containers.
- Optimize & standardize loading & unloading procedures.
- Reduced product damage.
- Eliminates forklift damage from load pushing.
- Eliminates traveling in the container with forklifts.
- Eliminates specialized forklifts with long forks & lifting attachments.
- No rigging & un-rigging crews in the container.
- Requires one operator.
- No Emissions



Contact Us Today!

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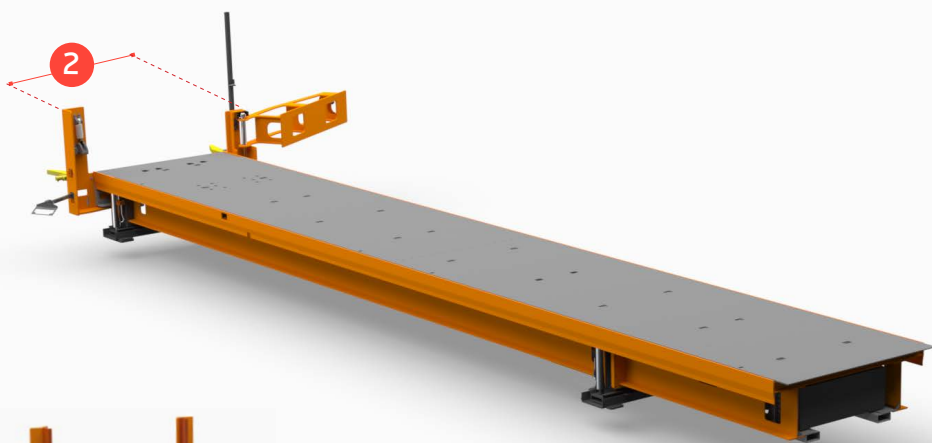
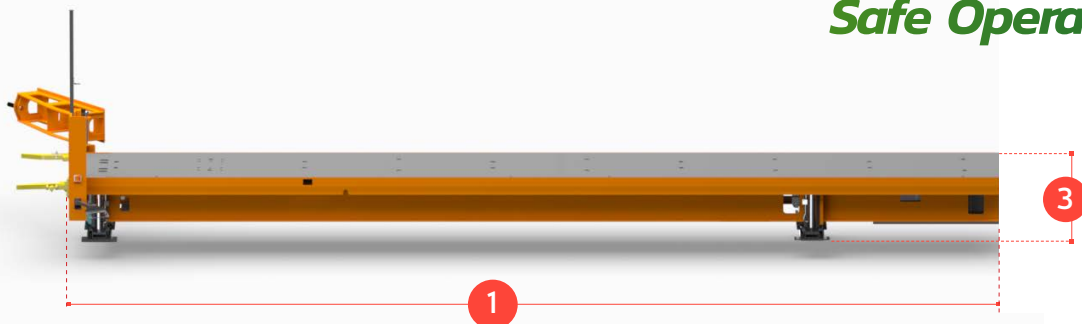


# COMBi-CSS

## CONTAINER LOADER

**Reduce Product Damage**  
**Save Time & Money**  
**Safe Operation**

# SPECIFICATION



Ref.	Description	Combi-CSS Slip-Sheet
1	Overall length	14880 mm
2	Width	3123mm
3	Height	1000 - 1500 mm
A	Capacity	30,000 kg
B	Motor	37 kW 3 Phase
C	Hydraulic stroke mechanism	12160 mm
E	Container sizes	20'/30'/40'
F	Slip sheet Material	Hardox
G	Cycle Times	40' in 6 mins 20' in 3 mins



Set up Inside or Outside.

## Options

- Vertical Barrier with horizontal Load Positioning
- Retractable Wheels for on-site mobility (Tow with forklift)
- Remote Control
- Load Scales

## Patent Application

PCT/EP2019/059638  
 Pulling Transfer System



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 CSS Videos



Vertical Barrier with  
 horizontal Load Positioning



Extendable Wheels for On-  
 Site mobility



3-Phase  
 Electric



Telematics  
 Enabled

**COMBiLiFT**  
 LIFTING INNOVATION

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[combilift.com/combi-css](http://combilift.com/combi-css)

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