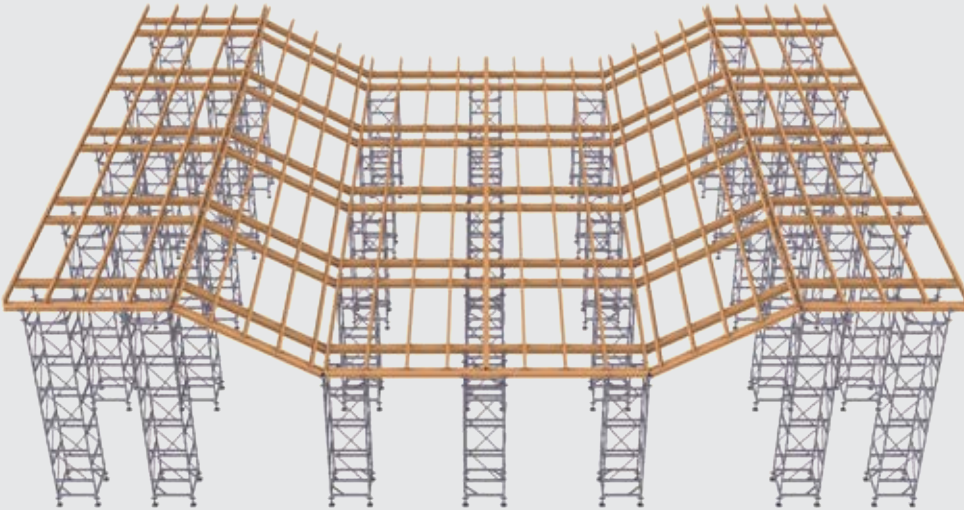




FORMWORK
SCAFFOLDING
TUBES
ROLL-FORMING
FORGING



*FORMWORK
SCAFFOLDING
SYSTEMS*

Staking
System

2024

SINCE'2000



FORMWORK
SCAFFOLDING
TUBES
ROLL-FORMING
FORGING

ABOUT US

WTD Industries is considered as one of the major manufacturers & suppliers of Scaffolding and Formwork in the Middle East, GCC countries and North Africa.

WTD is offering wide range of services such as formwork planning- including project analysis, detailed formwork study, initial cost estimation & computer-aided formwork planning with structural calculations-design, manufacturing, engineering services, sales, rental business & technical support after sales.

All WTD products adhere to international standards and undergo rigorous laboratory testing, including tests for safe working load requirements, deformation resistance, damage resistance, tensile strength, and stress tests.

In 2000, WTD Industries began its journey as a small steel factory in Tanta, Egypt, focusing on decorative steel frames under the name Nefertiti Forge. Over the following decade, our focus shifted towards scaffolding and formwork manufacturing, driven by collaboration with esteemed partners in the construction industry.

By 2010, WTD Industries had established itself as a prominent supplier of scaffolding and formwork in the GCC countries and North Africa. Our comprehensive production facility, spanning over 30,000 square meters in the Beni Sweif Industrial area of Egypt, was home to a workforce of over 150 engineers, technicians, and laborers.

In 2014, as part of our strategic growth plans, we inaugurated the WTD Misr factory in the Hamriya Free Zone of the UAE. This expansion aimed to bolster our sales network, meet market demand, and streamline material delivery across the Gulf region.

By 2017, furthering our capabilities, we established another factory in the 10th of Ramadan in Sharqia, Egypt, dedicated to scaffolding accessories. These strategic moves align with our ongoing mission to provide comprehensive scaffolding solutions to the global market.

In 2023, The road was paved to WTD Industries to flourish in Saudi Arabia, WTD Industries established شركة وتد حلول الانشاء المحدوده WTD Construction Solution LM. Company with two giant stores in Jeddah & Riya, then successes continued.

Such a success is the result of dedication and team spirit.

WTD FORMWORK & SCAFFOLDING SYSTEMS.

Over 20 Years of Trust, WTD remains offering the most economical formwork solutions for any types of construction project.

The values of our strong specialists & workforce are reliability, Accountability ,proficiency & highest commitment.

WTD perceives our team as an asset and a trustworthy success partner.

Customers satisfaction is our utmost goal.

As we measure our achievements against the success of our customers and their satisfaction by offering the most economical Formwork & scaffolding solutions.

Digitalization & Disruptive Innovation are WTD fundamental structures for sustainable success.

WTD organizational structure & consistent enthusiasm facilitate our local presence in many markets, our representatives are capable of providing the best services with excellence & maintain strong connections with our loyal customers.



M. Bastawesy

Eng. Mostafa Bastawesy
WTD President & CEO

WTD CORPORATION

EGYPT



UAE



KSA



INDIA



WTD Network

HEADQUARTER

El Sharqia Govern, Industrial Area- A5-10th of Ramadan city, Plot No.175.

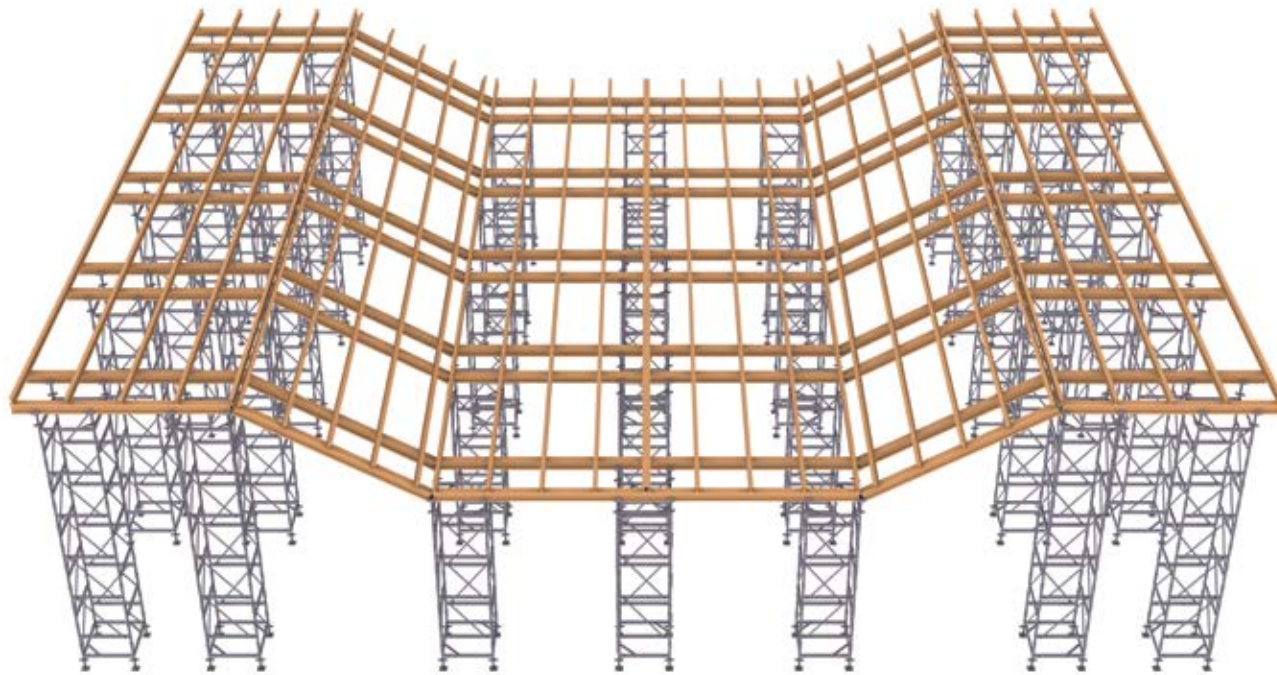


PIPE, COLD-FORMING & SCAFFOLDING
FACTORIES



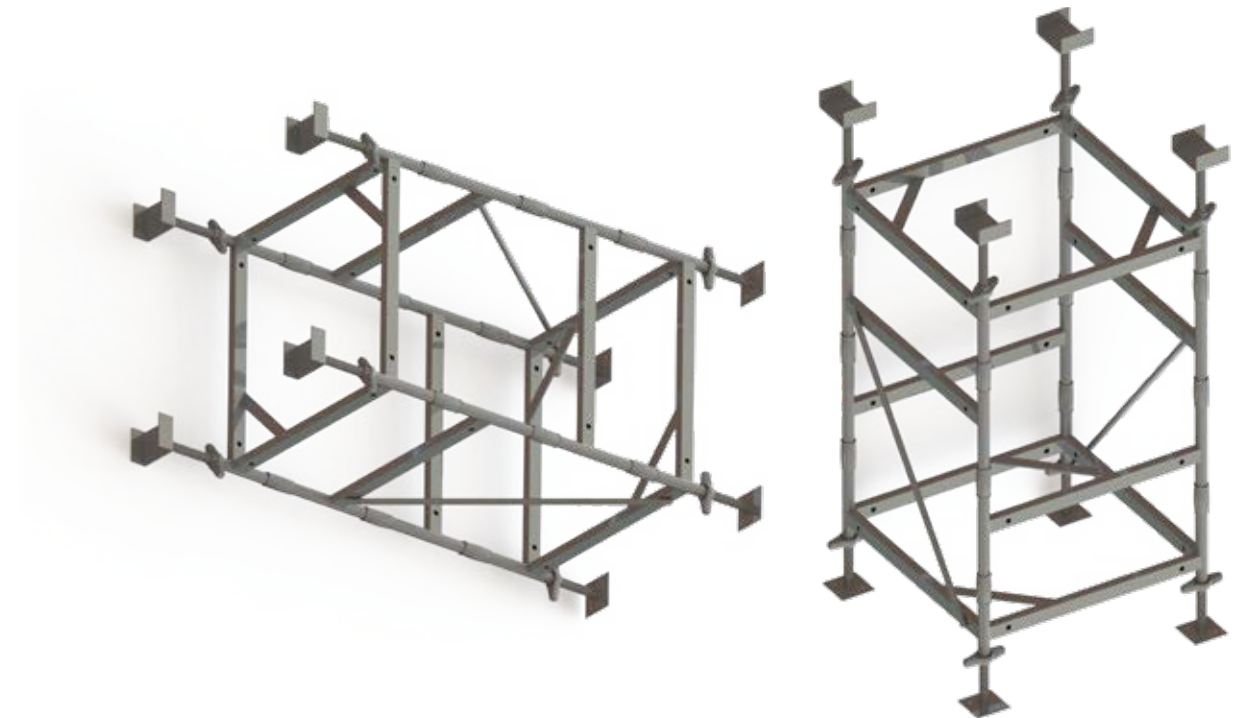
Beni Sweif Govern, Industrial Area, Metal Sector, Bayad Al-Arab,
Plot No. 26.

Staking System



Description

The scaffolding stacking frame system consists of pre-fabricated frames that are stacked vertically and connected horizontally to create a structure. These frames are typically made of steel or aluminum, which offers high strength and durability. The system includes horizontal braces, diagonal braces, and platforms that provide stability and access for workers. The stacking frames are modular, allowing for easy assembly and disassembly, and can be adapted to different heights and configurations as required by the project.



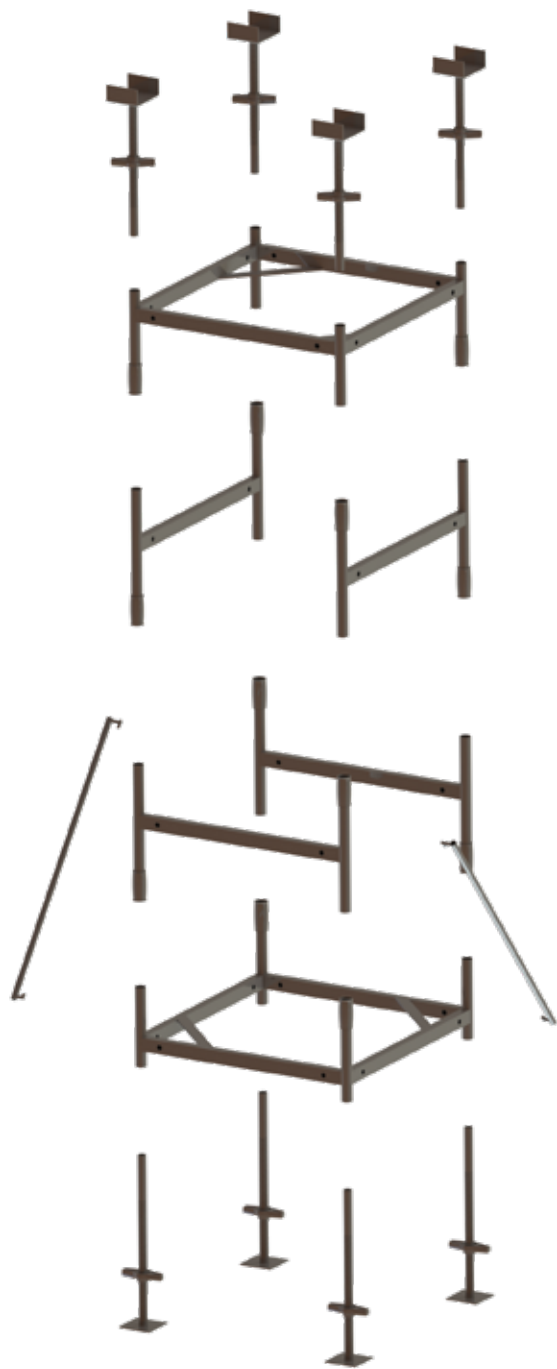
Sizing and Assembly

The sizing of the scaffolding stacking frame system varies based on the project requirements. Standard frame sizes usually range from 1.2 to 2 meters in width and 1.5 to 2 meters in height. The platforms typically have widths of 0.3 to 0.6 meters. The height of the scaffolding can be adjusted by stacking multiple frames on top of each other.

COMPONENTS & ARTICAL LIST

Assembly Process:

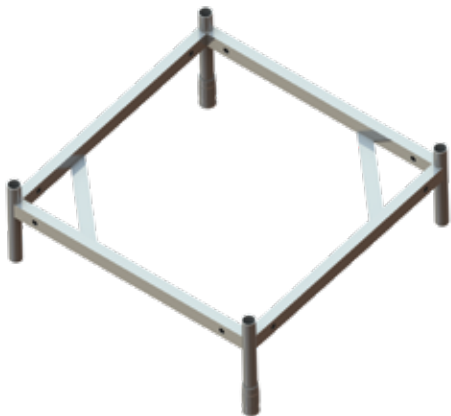
- 1. **Base Preparation:** A level and stable base is prepared to ensure the scaffolding’s stability.
- 2. **Frame Erection:** The base frames are set up and leveled. Frames are connected using cross braces.
- 3. **Platform Installation:** Platforms are installed at the desired working height, secured with hooks or locks.
- 4. **Guardrails and Toeboards:** Installed on the platforms for safety.
- 5. **Ladder or Access:** Ladders or stairways are attached for safe access to different levels.
- 6. **Further Stacking:** Additional frames can be added and braced as required for the desired height.



COMPONENTS & ARTICAL LIST

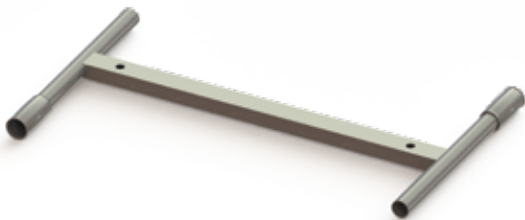
- 1. **Bases:** The primary horizontal elements that form the scaffold structure 104 cm X 104 cm

Article No.	Description	Weight (Kg)
00000	104 cm X 104 cm	25



- 2. **Frames:** The primary vertical elements that form the scaffold structure. 50 cm X 100 cm

Article No.	Description	Weight (Kg)
00000	50 cm X 100 cm	8.5



- 3. **Braces:** Diagonal braces used to provide lateral stability. 130cm

Article No.	Description	Weight (Kg)
00000	100cm	1.70



- 4. **Platforms:** Horizontal surfaces where workers can stand and place materials.

COMPONENTS & ARTICAL LIST

5. **Base Plates:** Plates placed at the bottom of the frames to distribute weight and provide a stable base.

Article No.	Description	Weight
00000	150mm x 150mm	110 kg



6. **Adjustable Base Jacks:** Used to level the scaffold on uneven ground.

Description	Weight
2500mm	8.30kg
1800mm	6.35kg

WTD Adjustable U Jack

Adjustable U jack provides method to adjusting frame level by the required value.
Adjustable U jack is available in two types (solid and hollow jack).
Three main components of adjustable U jack (screw jack / U head sheet / steel handle).

7. **Adjustable U-Head Jacks:** Used to level the scaffolding

Artical No.	Description	Weight
00000	Hollow 670mm 150×150mm	3.54kg
00000	Solid 670mm 150×150mm	6.00kg
-	-	-
-	-	-

WTD Adjustable Base Jack

Adjustable base jacks are made of steel plate, screw jack and steel handle. adjustable base jacks available in two types (Hollow and solid). adjustable base jacks provide method of adjustment for WTD Cuplock structure.



Storage of Stacking System

- 1. **Load Limits:** Adhering to maximum load capacities to prevent overloading and collapse.
- 2. **Regular Inspections:** Checking for any damage or wear in the components.
- 3. **Proper Training:** Ensuring workers are trained in scaffolding safety and assembly.
- 4. **Use of Personal Protective Equipment (PPE):** Including helmets, harnesses, and non-slip footwear.



APPLICATIONS

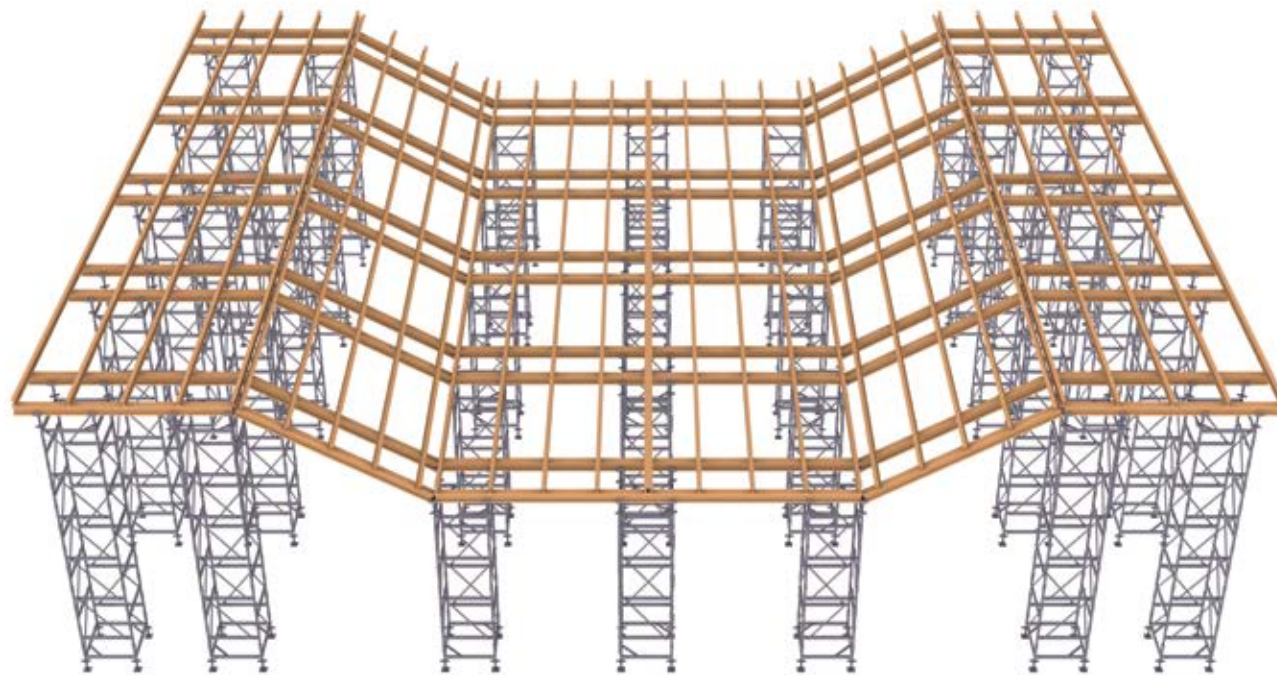
Safety Considerations

1. **Load Limits:** Adhering to maximum load capacities to prevent overloading and collapse.
2. **Regular Inspections:** Checking for any damage or wear in the components.
3. **Proper Training:** Ensuring workers are trained in scaffolding safety and assembly.
4. **Use of Personal Protective Equipment (PPE):** Including helmets, harnesses, and non-slip footwear.

Applications

The stacking frame system is widely used in various industries for:

1. **Construction:** Providing access to different levels of a building under construction for tasks like bricklaying, painting, and plastering.
2. **Maintenance:** Facilitating access to hard-to-reach areas in structures like bridges, towers, and buildings for repairs and inspections.
3. **Event Setup:** Supporting temporary structures, such as stages and seating areas, in events and exhibitions.
4. **Industrial Applications:** Accessing equipment and structures in factories, refineries, and power plants for maintenance and inspections.



APPLICATIONS





WTD OFFICES WORLD WIDE



EGYPT

TURKEY

UAE

SAUDI ARABIA

INDIA

RELATED SYSTEMS

1. WTD Smart Beam
2. Waler System
3. Cuplock System
4. H-Frame System
5. Shore Load System
6. Steel Blank
7. ERW Steel Pipes & Tubes
8. Accessories
9. Column Clamp
- 10. Staking System**
11. Circular Column



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SCAFFOLDING
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*A LEADING GLOBAL
CONSTRUCTION GROUP*

www.wtd.me

EGYPT

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10th of Ramadan city, Plot No.175.

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