



Production Tables on Mast Climbing Work Platforms Can Reduce Back Injuries and Falls

MAST CLIMBING

work platforms or mast climbers get the job done faster...

until a worker is injured or loses balance,

increasing the risk of **falling off** the mast climbing work platform.



INJURIES

such as back injuries often occur from manual material handling.

1 out of 2 overexertion injuries in construction are back injuries.¹

2 out of 5 fatal falls from mast climbers involve masons.²

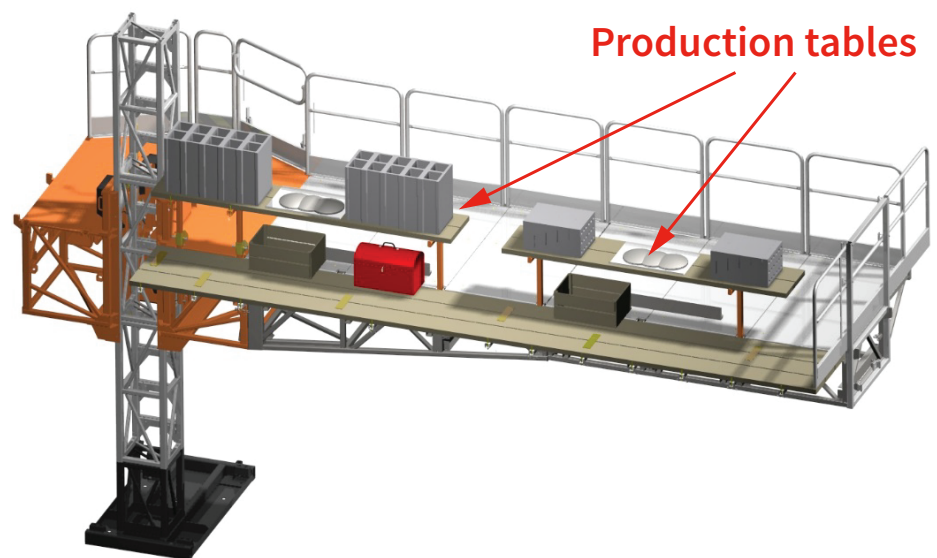
Production tables can help keep workers safe on the job

INTERVENTIONS

that help masons maintain good posture and balance **can reduce back injuries and prevent falls.**

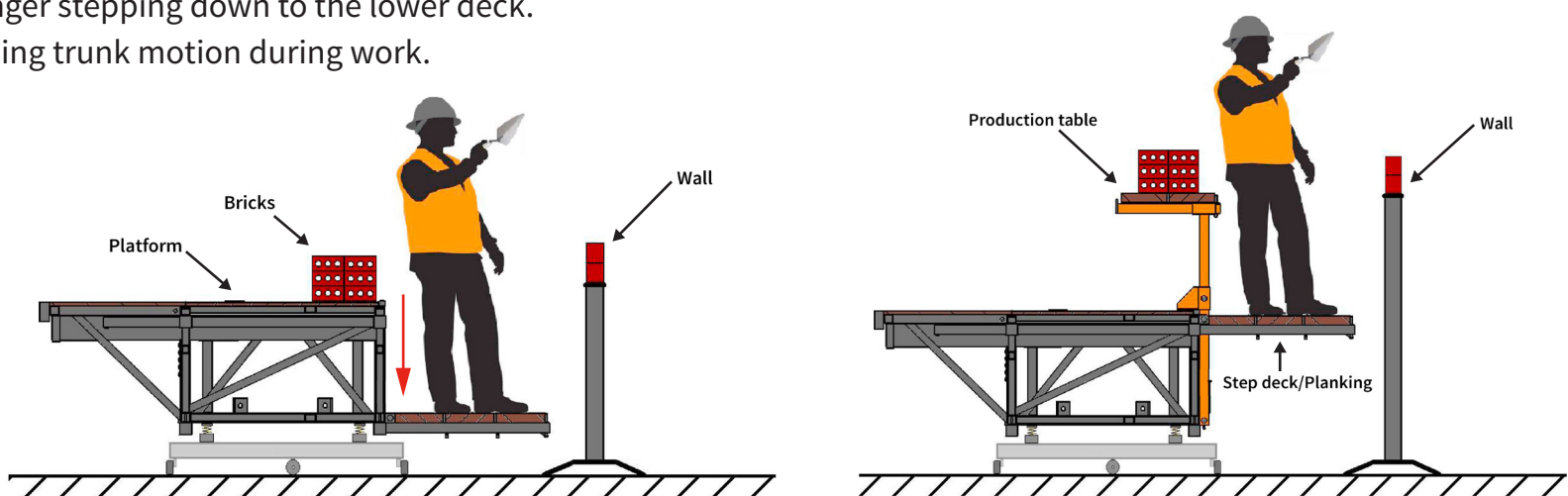
Production tables increase platform space with bricks and mortar stored on top and tools and materials below. The table is set at a comfortable height for work.

Production tables on mast climbers can help reduce back injuries and prevent falls.



Production tables on mast climbers can help reduce fall and back injuries by

- Improving standing balance.
- No longer stepping down to the lower deck.
- Reducing trunk motion during work.



Join the Campaign to Stop Construction Falls!

www.stopconstructionfalls.com



PLAN. PROVIDE. TRAIN.



Source
Pan CS, Ning X, Wimer B, Zwiener J, Kau T-Y [2021]. Biomechanical assessment while using production tables on mast climbing work platforms. Applied Ergonomics 90:03276. <https://doi.org/10.1016/j.apergo.2020.103276>

Citations
¹CPWR [2018]. The construction chart book – the U.S. construction industry and its workers. Silver spring CPWR-Center for Construction Research and Training. <https://www.cpwr.com/research/data-center/the-construction-chart-book/>
²Pan CS, Ning X, Wimer B, Zweiner J et al. [2018]. Assessment of the Implementation of Production Tables on Mast Climbing Work Platforms, An Invited Presentation at the Scaffold and Access Industry Association Annual Convention. Chicago, IL, July 10.

Acknowledgments
We'd like to acknowledge the following for contributions to this research: Job-Site Safety Institute, Fraco Products, and Francois Villeneuve.

#StandDown4Safety