



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

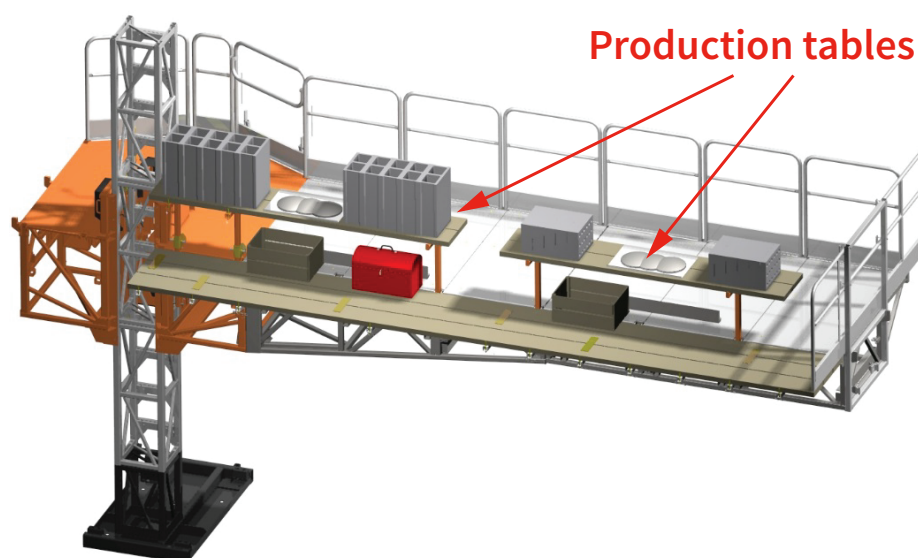
Production tables can help keep workers safe on the job

INTERVENTIONS

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

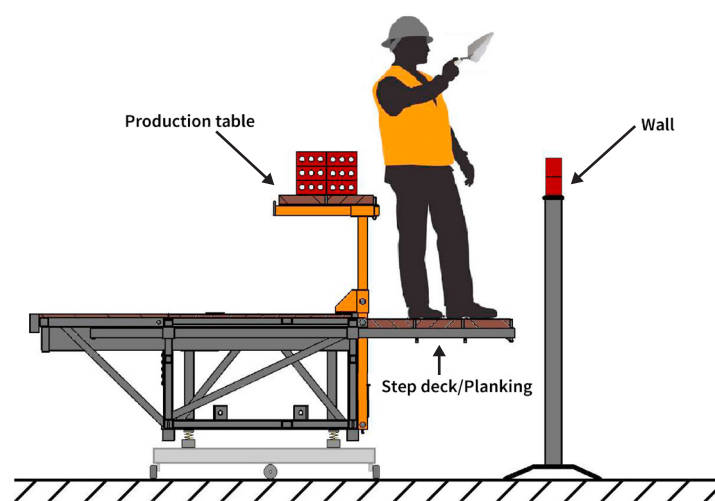
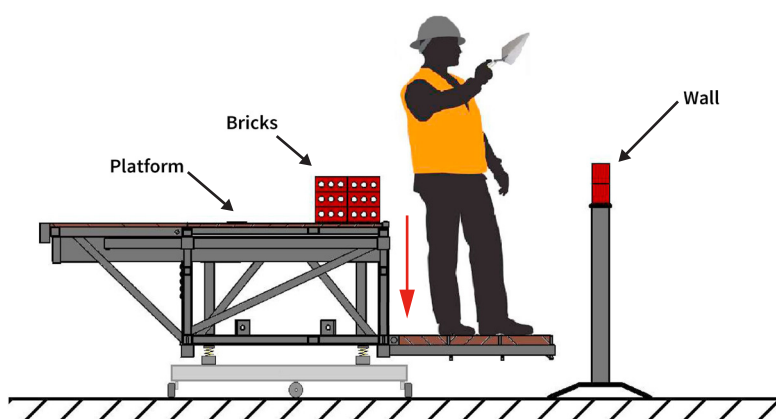
Production tables increase platform space with bricks and mortar stored on top and tools and materials below. The table is set at a comfortable height for work.

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.



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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

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#StandDown4Safety