



woodtec Fankhauser GmbH
Production Technology for Timber Construction

we make machines but
we love wood

Timber Frame

 **swiss quality**



Assembly Table

The Modular System for Timber Frame Construction



Levelling Feet Base

2 steel beams and 4 levelling feet per module allow a perfectly level work surface

Pivot Base

The table can be folded to the side using two swivel joints. This frees up space for other work

Hydraulic Tilt Base

Position frames vertically without distortion or produce dormers at the correct inclination

Convertible Factory

Modular System

Modern timber construction is complex and versatile. This requires **flexibility** in production. And a modular production system:

1. Equipment can be tailored precisely to operational requirements
2. System can be converted, optimised and expanded at any time depending on the project
3. Functionally convertible thanks to extension modules: interior and exterior walls, roofs, ceilings, glued box elements, etc.

Base Module

Starting with a base module of 1.5 x 3.0 m and corresponding accessories, any table length and width can be customised

Parallel Table Height Extension

Permanently mounted table extension with a minimum pressing height of 3 m, which can be extended to 3.25 and 3.5 m like a drawer

Lateral Table Height Extensions

Table extension can be fitted to the side if required. With supporting foot for length in excess of 80 cm

Special Modules

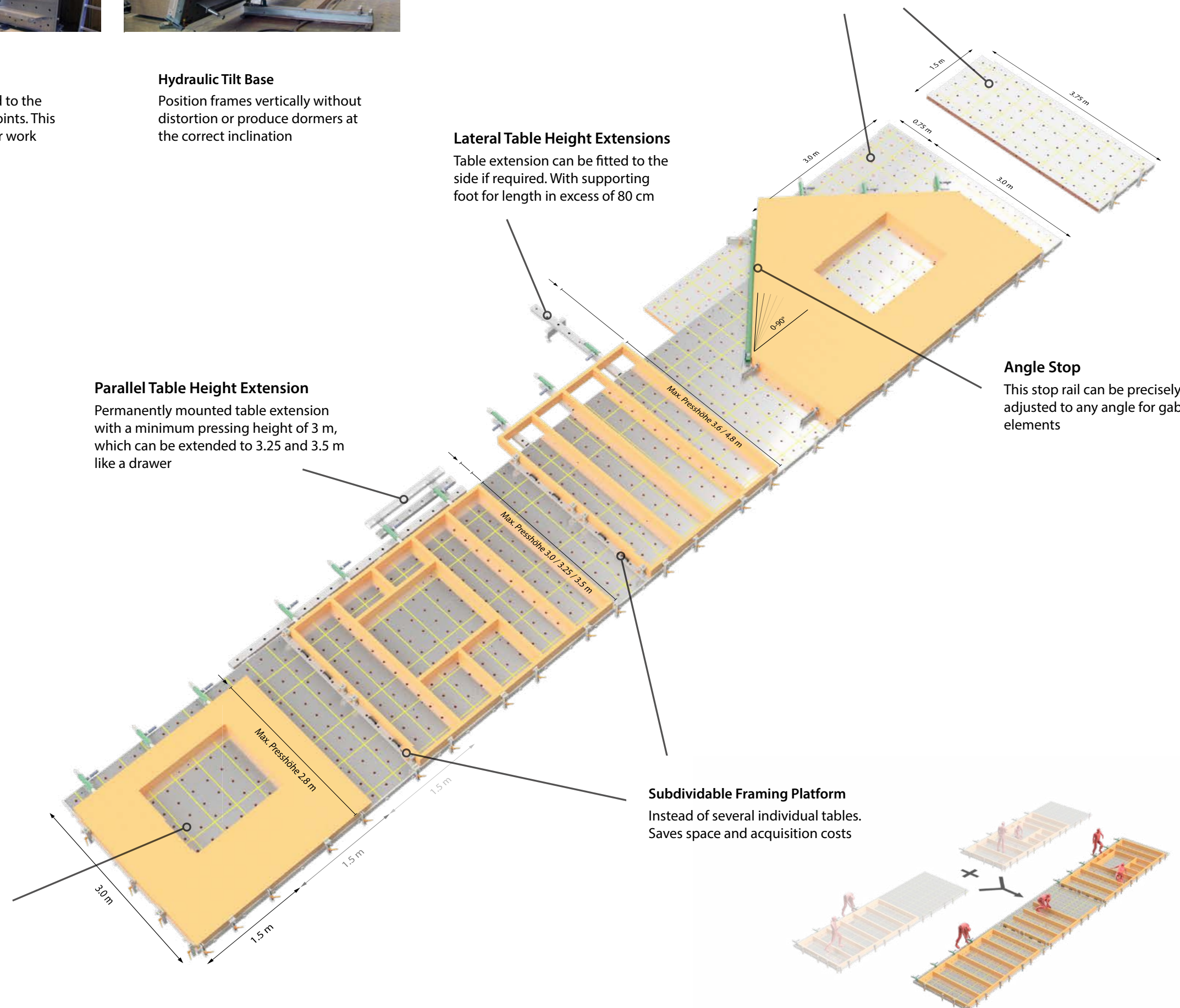
Half modules measuring 0.75 x 3.0 m or long modules measuring 1.5 x 3.75 m, e.g. for use with the MF portal

Angle Stop

This stop rail can be precisely adjusted to any angle for gable elements

Subdividable Framing Platform

Instead of several individual tables. Saves space and acquisition costs



Precision and Speed

Assembly

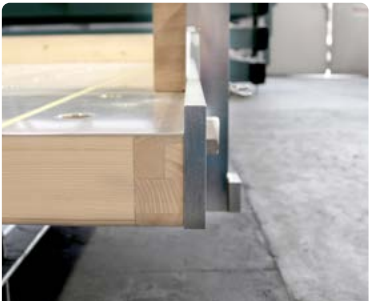
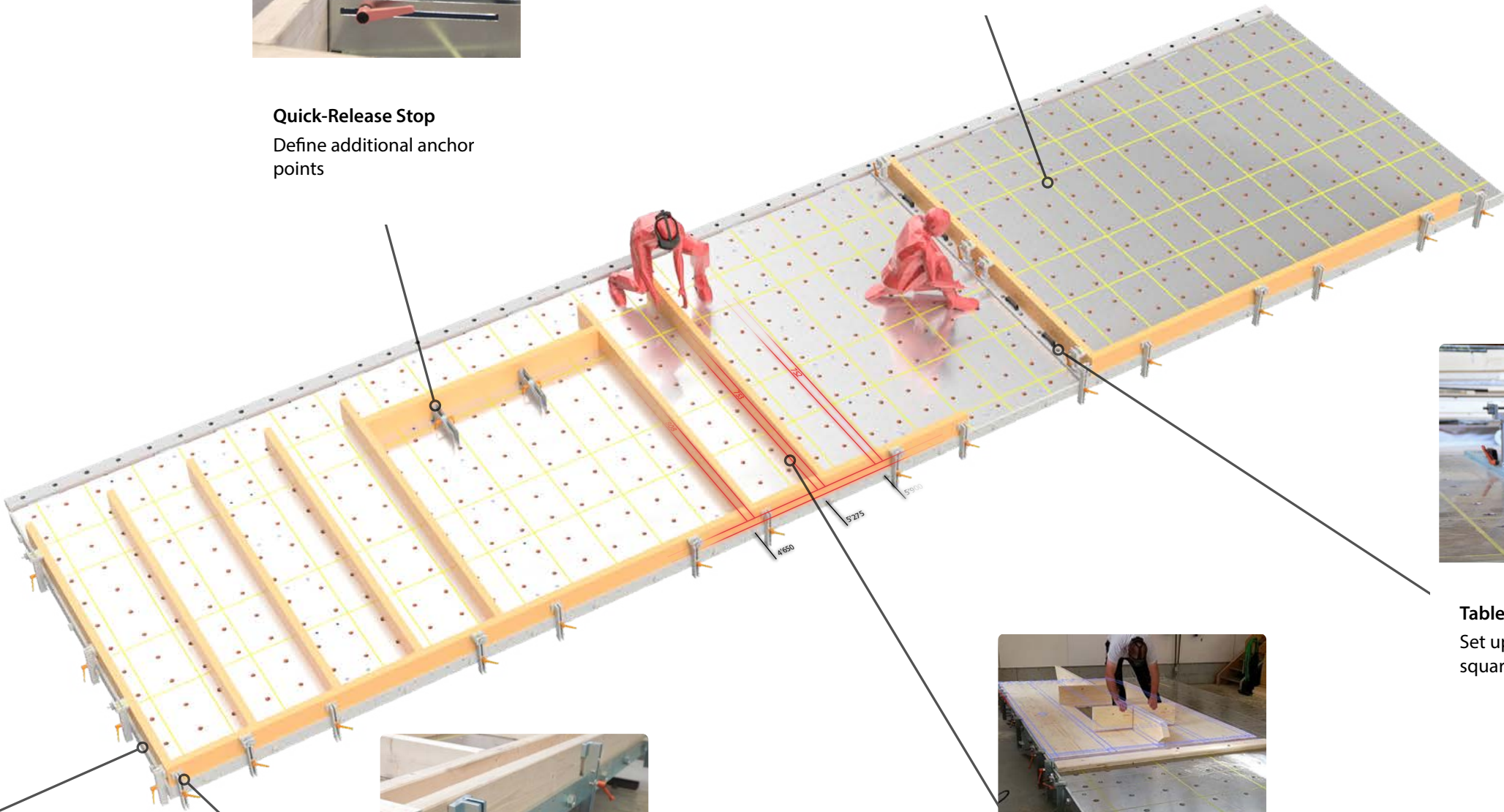
High angularity and flatness of each workstation.
Integrated metre scale and superimposable AR
construction plans for a live preview



Quick-Release Stop
Define additional anchor
points



Integrated Metre Scale
Keep an eye on dimensions
and angularity at all times



Edge Stop Plate
Continuous, solid edge
plate with only 20 mm
overhang



Flexible Edge Stops
Height-adjustable stops up
to 280 mm, with magnetic
holder for disc screws



Table Separation
Set up additional perfectly
square workstations



Augmented Reality
Project 2D production
plans in real size. Show
components with numbers
and dimensions!

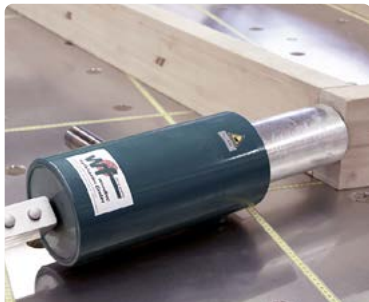
Single Operator for

Fastening

Clamp the element powerfully into the angle.
This allows checking, adjusting and screwing
or stapling by a single operator



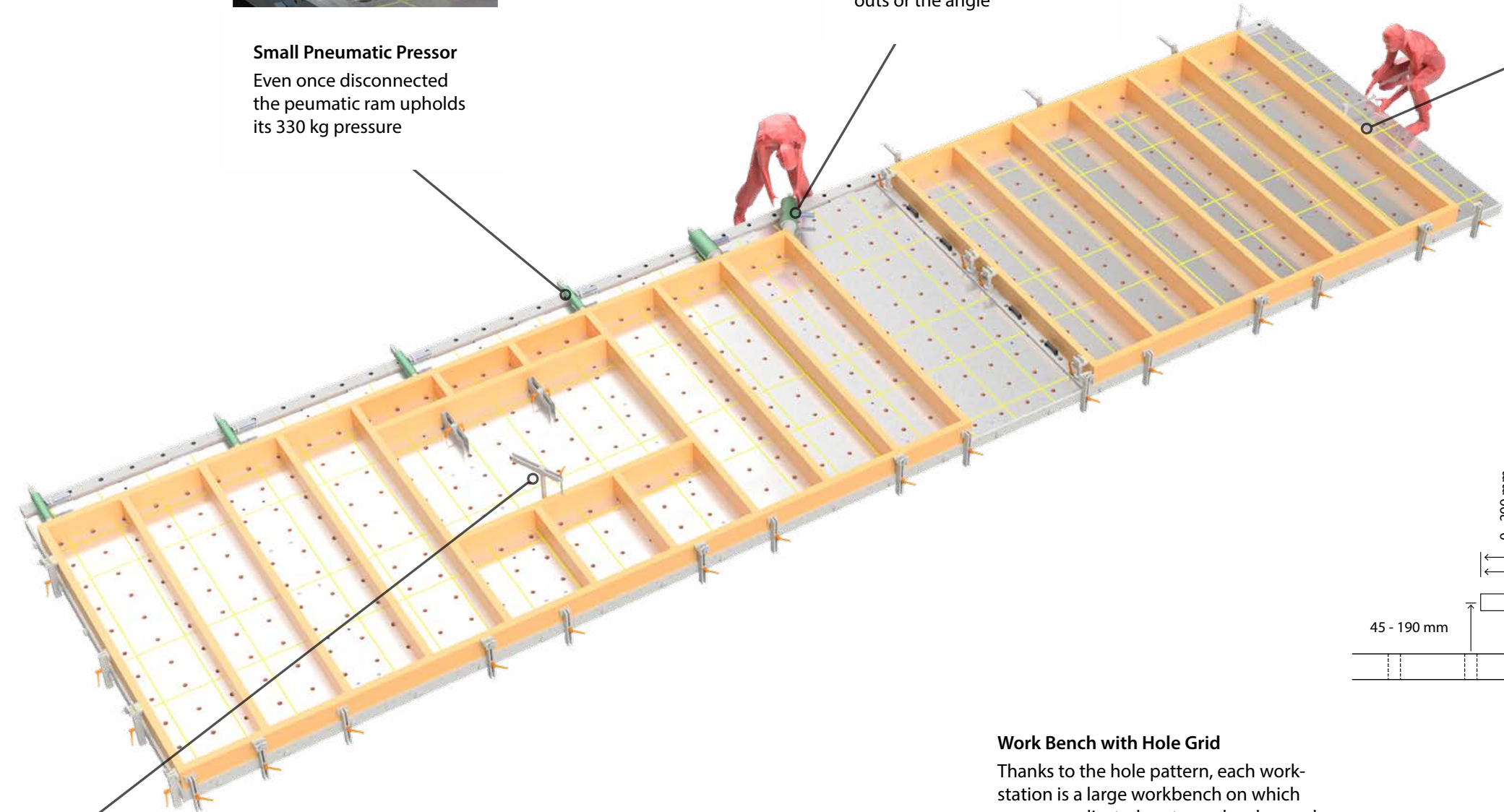
Small Pneumatic Pressor
Even once disconnected
the pneumatic ram upholds
its 330 kg pressure



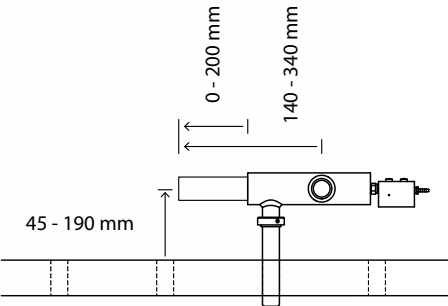
Big Pneumatic Pressor
1.4 t of pressure to snap even
twisted joists into the cut-
outs or the angle



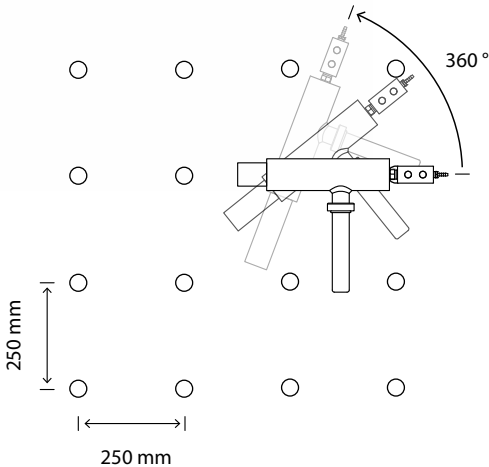
Fast-Clamps
Threaded rod for clamping
and positioning! With addi-
tional fast gear



Vertical Clamp
Insert into the hole grid and
clamp in place



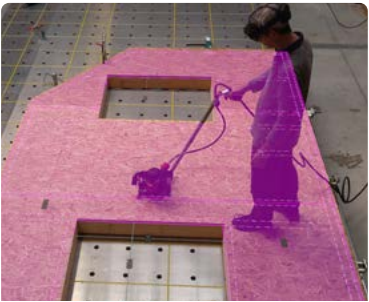
Work Bench with Hole Grid
Thanks to the hole pattern, each work-
station is a large workbench on which
even complicated parts can be clamped
in all directions



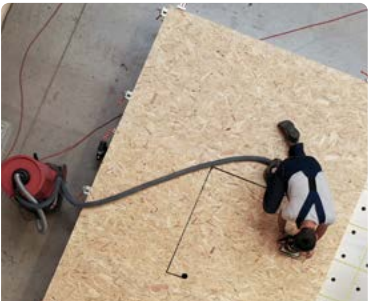
Positioning, Stapling, Routing

Sheathing

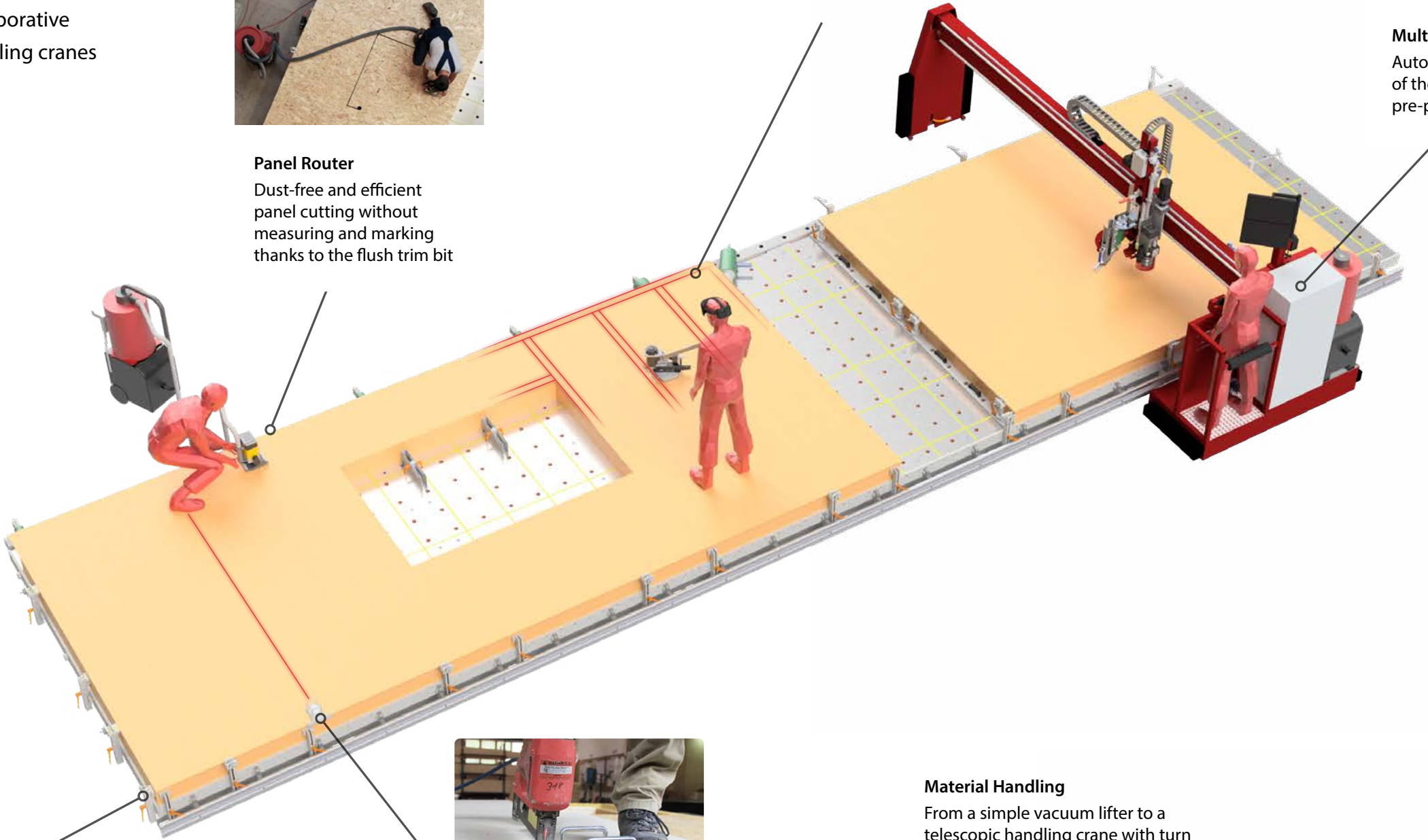
Each work step can be rationalised using simple, manual accessories or collaborative systems such as MF portals or handling cranes



AR Headset & App
Show hidden joists live for easy stapling



Panel Router
Dust-free and efficient panel cutting without measuring and marking thanks to the flush trim bit



Multifunction Portal
Automated stapling and cutting of the sheathing without data pre-processing

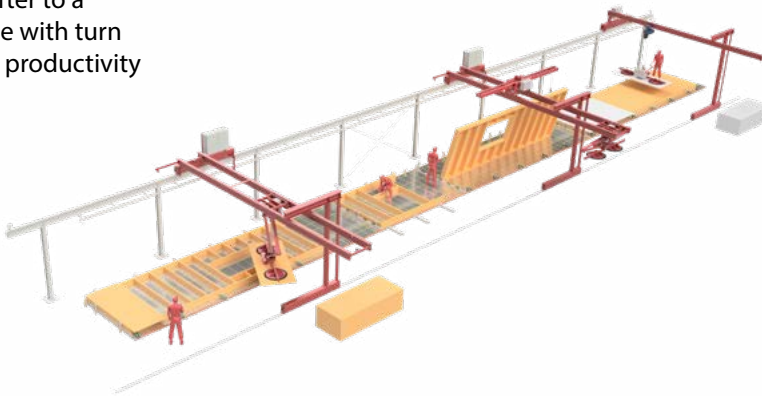


Panel Edge Stop
Set the panel overlap directly on the stop



Laser Marker
Efficient nailing without prior measuring or marking

Material Handling
From a simple vacuum lifter to a telescopic handling crane with turn over unit. For even more productivity



One Table. Three Systems.

Roof & Floor Cassettes

Convertible Factory: Using the same assembly table, first walls, then roofs and floor cassettes. And in three different ways

Tischverbreiterung
Sparren werden auf Seitenpfette oder Kanthölzer aufgelegt



Pneumatische Pressing System
Pneumatic pressing and gluing of box elements or ribbed ceilings



Purlin Angle
Lay out entire roof on the purlin. Roof pitches from 0-45° possible



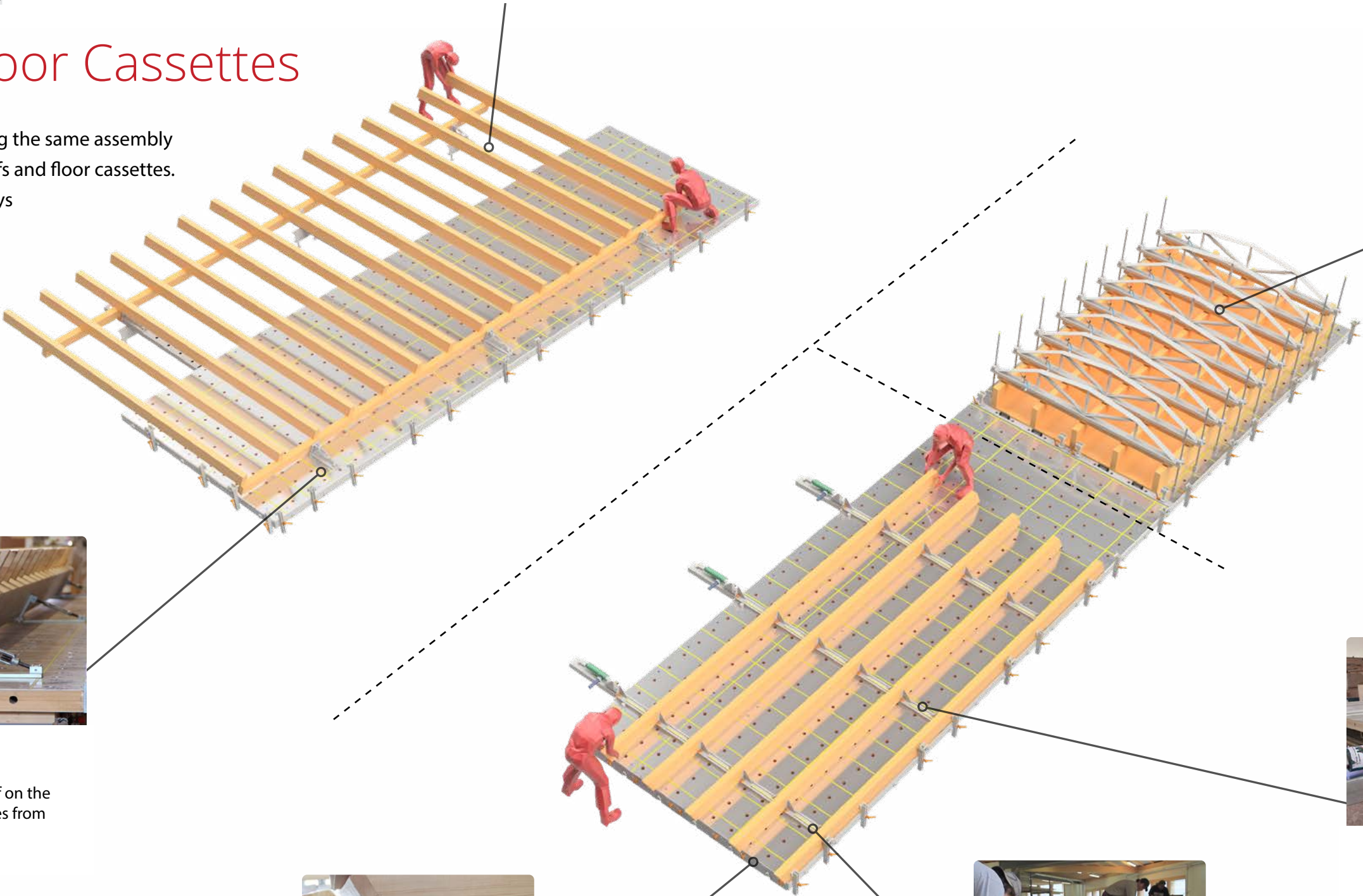
Bird's Mouth Aligner
All rafters perfectly aligned



Double-Rail
Slider pairs fix all rafters at the correct distance



Clamping
Straighten even twisted rafters thanks to pneumatic pressors





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Timber Frame



**Cross Laminated Timber
CLT / XLam**



**Box Elements
Ribbed Ceilings**



Material Handling