



— ProCompositeTech —

# INTEGRATED Working Cell

***ALU***  
Loader

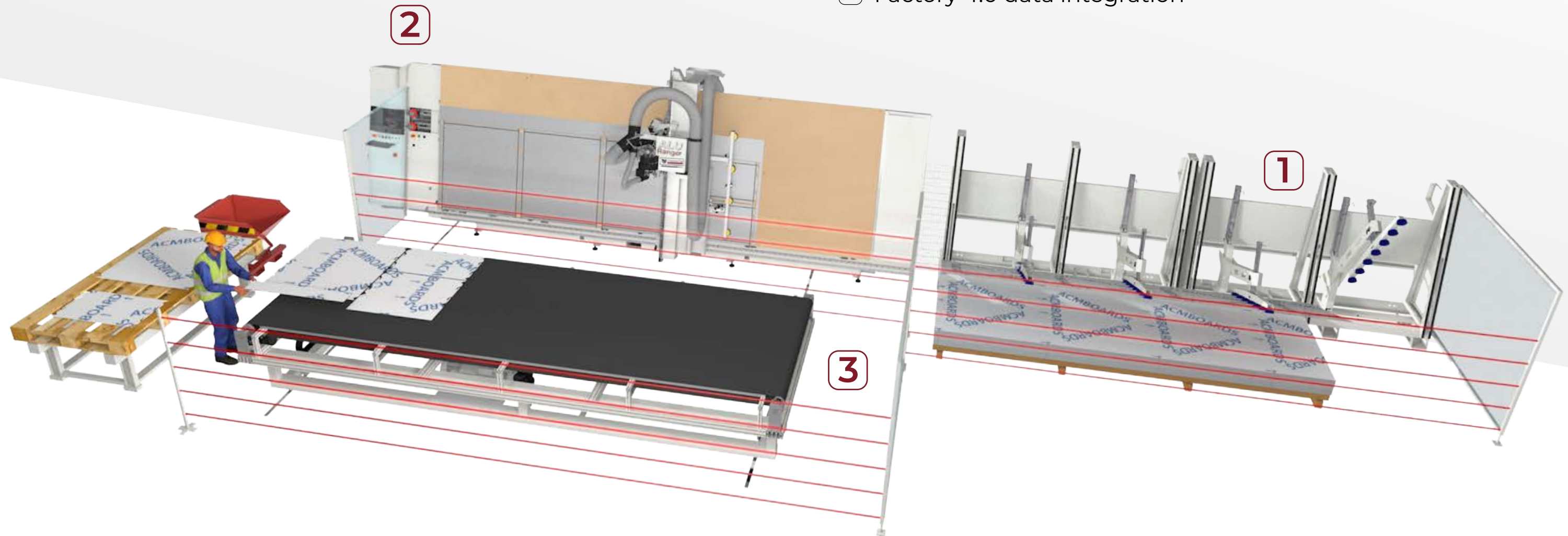
***ALU***  
Ranger

***OFF***  
Loader

# INTEGRATED WORKING CELL

AUTOMISED LOADING - FABRICATION - OFF LOADING

- Automised loading - positioning - off loading
- INDEPENDENT fabrication process from loading and off loading
- Higher daily productivity output
- ONE operator only
- Factory 4.0 data integration



**1** **ALU Loader** Loading - Positioning device for architectural panels with four holding arms with suction cups connected to the vacuum system of ALU Ranger. REGISTERED PATENT

**2** **ALU Ranger** High Productivity CNC Panel Router with Vertical Table for architectural facades panels fabrication

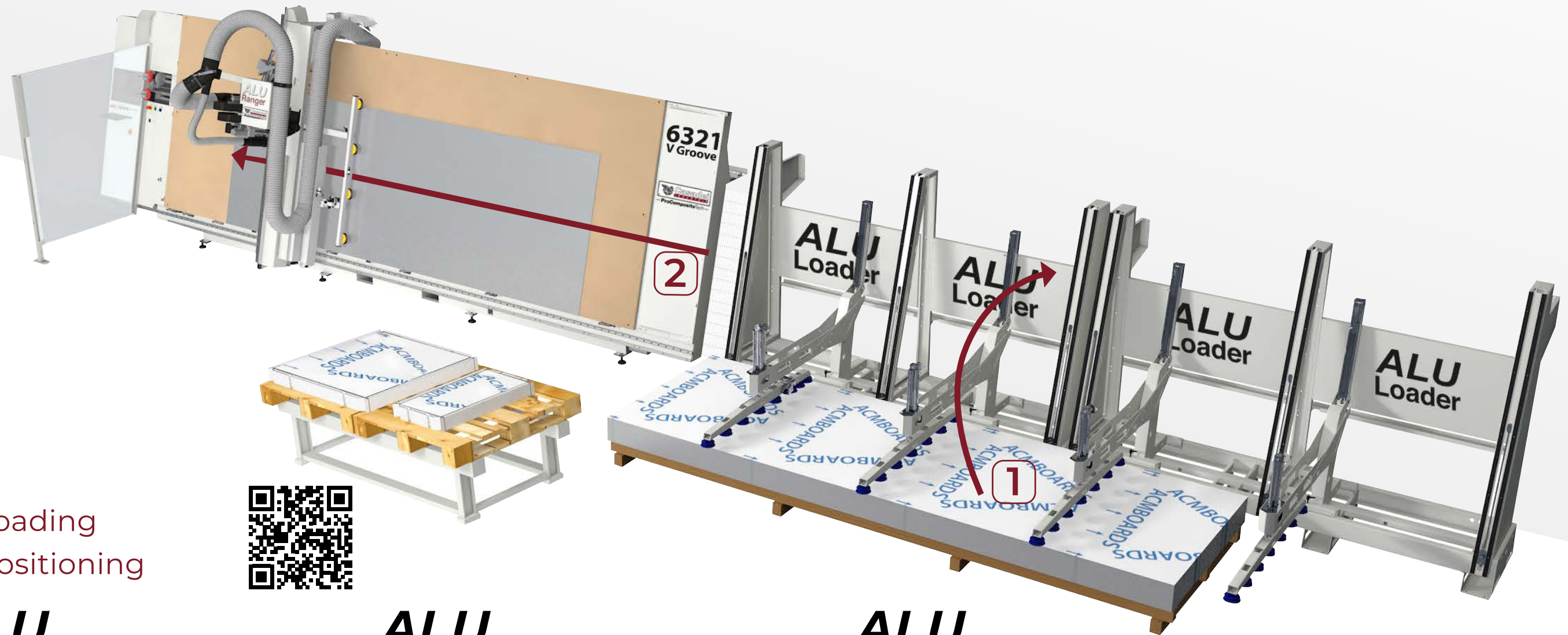
**3** **OFF Loader** Automatic Off Loader for processed panels by a tiltable vacuum holding table PATENT PENDING

# ALU LOADER

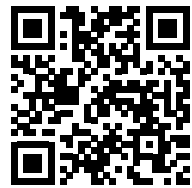
42 / 63 / 101  
Automatic panel loader  
for Alu Ranger (Opt.)

PATENTED

- Automatic panel loading without operators
- Automatic panel positioning - ALU Feeder
- Less risk of accidentally falling panels



- ① Loading
- ② Positioning



## ALU Loader 42

Max dimension of the panel

L min 2500 (8') - max 4200 mm (14')  
H min 1000 (3' 3") - max 2100 mm (6' 10")

Max. panel stacking height  
520 mm

Max weight per panel  
65 kg (optional available for  
heavier panels)



## ALU Loader 63

Max dimension of the panel

L min 2500 (8') - max 8000 mm (26' 3")  
H min 1000 (3' 3") - max 2100 mm (6' 10")

Max. panel stacking height  
520 mm

Max weight per panel  
130 kg (optional available  
for heavier panels)



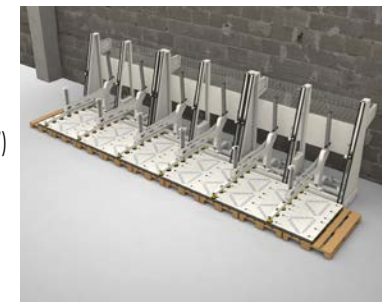
## ALU Loader 101

Max dimension of the panel

L min 2500 (8') - max 12000 mm (39' 4")  
H min 1000 - max 2100 mm (6' 10")

Max. panel stacking height  
520 mm

Max weight per panel  
250 kg (optional available  
for heavier panels)



We reserve the right to make modifications. The machine can include equipment not shown in standard version.  
For photographic reasons some units are without protections. The use of machine must be made with all protections installed.



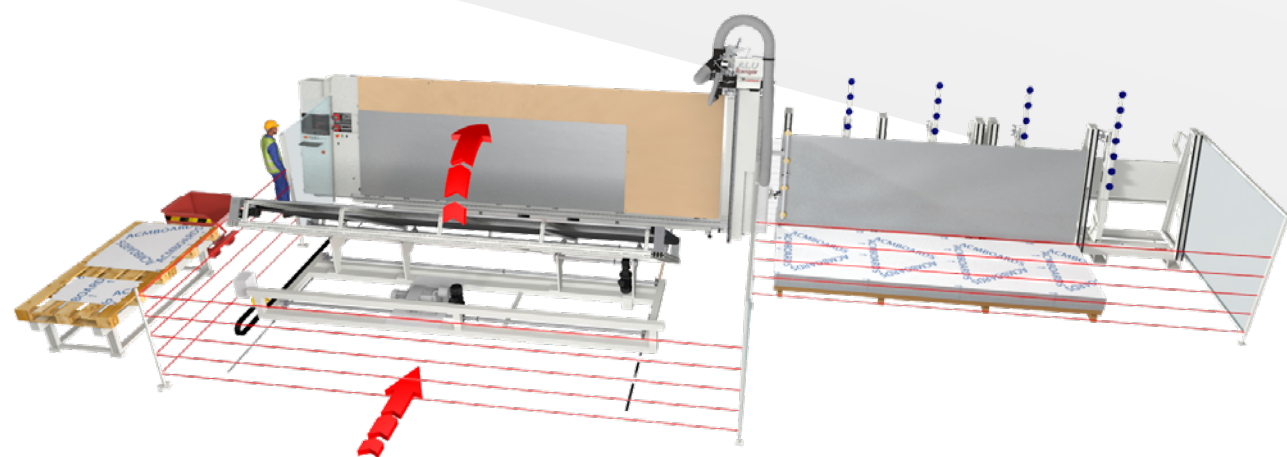
# OFF LOADER

40 / 60  
Automatic off-loading  
device for Alu Ranger

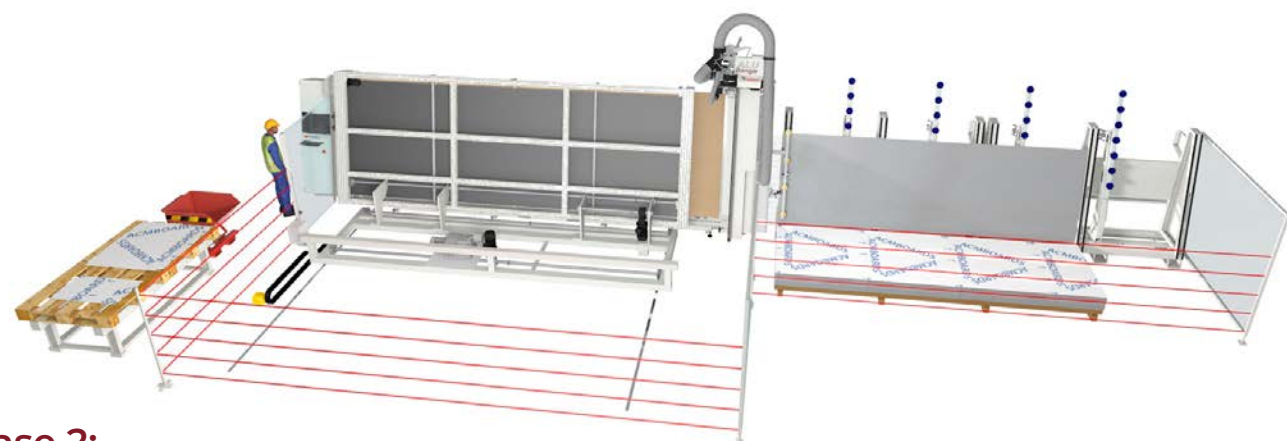
PATENTED

Off Loader is a vacuumed table covered by a transpiring mat.  
The table can tilt and move towards the working table of the Alu Ranger.  
Once the panels are completely covered and hold Off Loader returns in starting position to allow the operator to off load it.

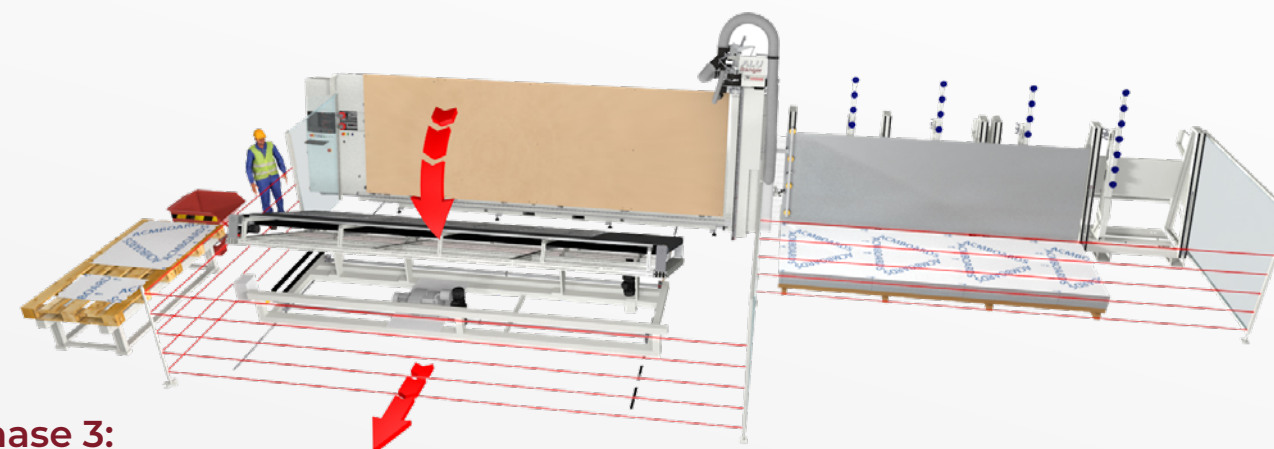
- Automatic panels Off Loader without operator
- Semiautomatic panel feeding for final off loading



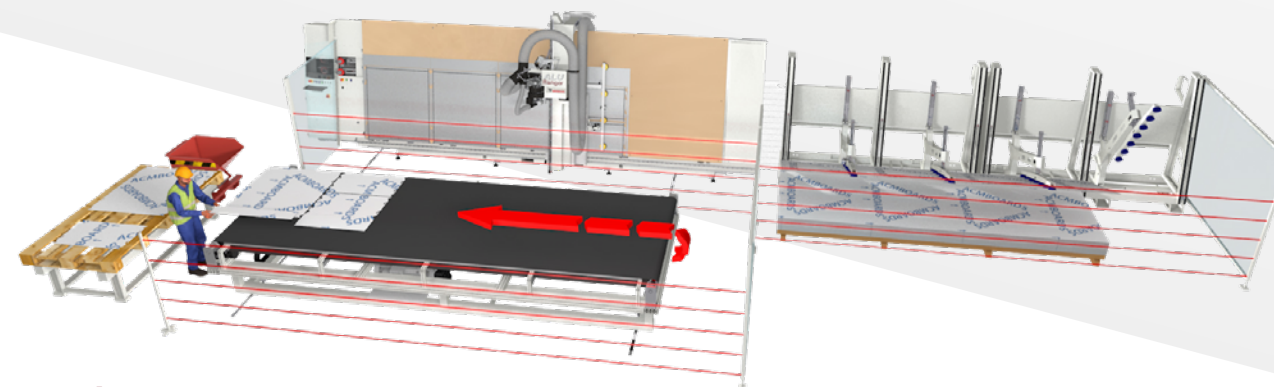
**Phase 1:**  
Off loading procedure starts automatically.  
Off Loader table tilting and approaching towards Alu Ranger.



**Phase 2:**  
Off Loader completes the approach laying to the processed panels.  
The vacuum holding of the panes switches between the Panel Router and the Off Loader



**Phase 3:**  
Off Loader returns into horizontal position while moving back away from the panel router. Once the light curtains are unengaged the Alu Ranger commands Alu Feeder to load the next panel.  
During this phase Alu Ranger and Alu Loader safety light curtains are active.



**Phase 4:**  
The operator can pick up the panels from Off Loader table.  
The feeding of the mat can be activated by a pedal therefore the panels can easily be reached by the operator.

## OFF Loader 40

Max off loading dimension  
L: max 3900 mm  
H: max 2000 mm  
Min off loading dimension  
LxH: 500x500 mm  
Max off loading weight  
75 kg

## OFF Loader 60

Max off loading dimension  
L: max 6000 mm  
H: max 2000 mm  
Min off loading dimension  
LxH: 500x500 mm  
Max off loading weight  
100 kg

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Casadei Industria ALU S.r.l.  
via Tane di Baragone, 11  
47899 Galazzano Serravalle  
Repubblica di San Marino  
Tel. +378 0549 900720