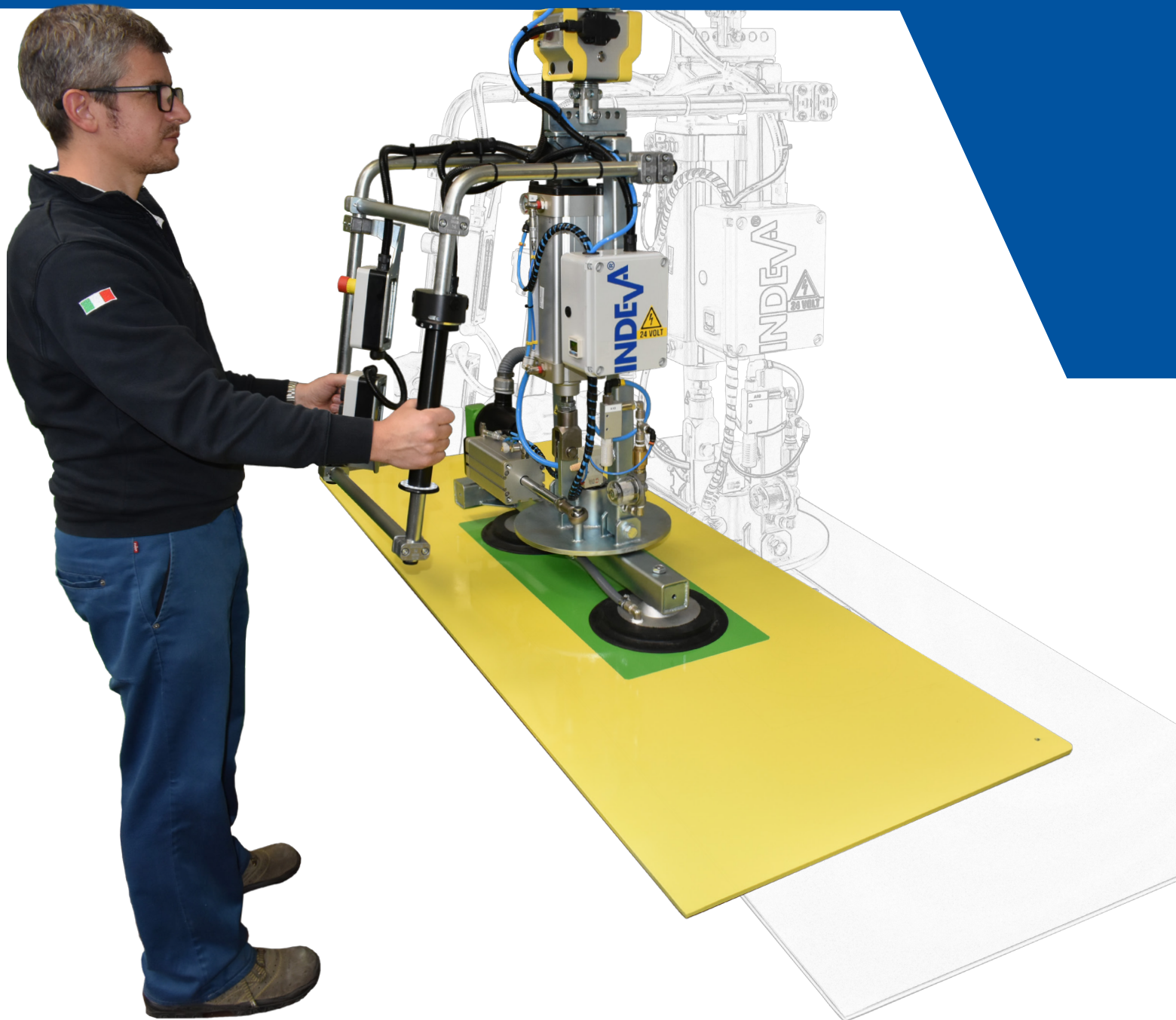


# VAC-U-GRIP-PANELS

for LIFTRONIC® PRO



MAX CAPACITY  
**250 kg**

ROTATION  
**90°**

TILTING  
**90°**

**INDEVA**<sup>®</sup>  
INTELLIGENT DEVICES FOR HANDLING

### WHAT IS POSSIBLE TO HANDLE

- Product:** panels/sheets with smooth and non-porous surface
- Consistency:** rigid, not deformable (no bending products allowed)
- Sizes:** min. 800 x 300 mm - thickness from 5 mm to 30 mm  
max. 4800 x 2100 mm - thickness from 5 mm to 30 mm
- Weight:** max. kg 250

NB: for products with different features, an assessment by our engineering dept. is required.

### GRIPPER TECHNICAL FEATURES

#### Control Unit:

- 2 pushbuttons for 90° rotation
- 2 pushbuttons for 90° tilting
- 1 grip pushbutton
- 1 release pushbutton
- 1 force sensing handle L=250 mm
- 1 STOP pushbutton

#### Ergonomics:

Thanks to the INDEVA<sup>®</sup> automatic balancing system, up/down movements and load positioning are exceptionally smooth, fast and precise: with almost no effort (about 300 g), the operator can easily and ergonomically lift panels up to 250 kg.

Four standard handle sizes are available to suit different applications and ensure ergonomic arm and hand positions at all times.

#### Vacuum Production System:

- oil-resistant vulcanized rubber suction pads on aluminum support: diameter mm 250
- Venturi pump mounted on board for vacuum production
- operating pressure: 6/7 bar (dry, non-lubricated air)
- an acoustic and visual alarm system automatically signals if the vacuum level is too low
- non-return valve to ensure vacuum reserve
- vacuum gauge with colored and graduated scale for easy vacuum level monitoring
- safety tank for vacuum reserve to ensure gripping even in the absence of compressed air (the tank is inside the gripper frame).

#### Safety:

- the equipment grips the load and an acoustic signal indicates that the grip is correct
- the system does not allow the load to be lifted unless the required vacuum level is reached (vacuum switch interfaced with the manipulator)
- the correct vacuum level is also monitored by an on-board vacuum gauge (green and red areas)
- if the vacuum level drops while the load is suspended, the system activate an acoustic signal and the vacuum gauge indicates the vacuum level in real time.
- if the compressed air level drops, the system activates an acoustic signal.

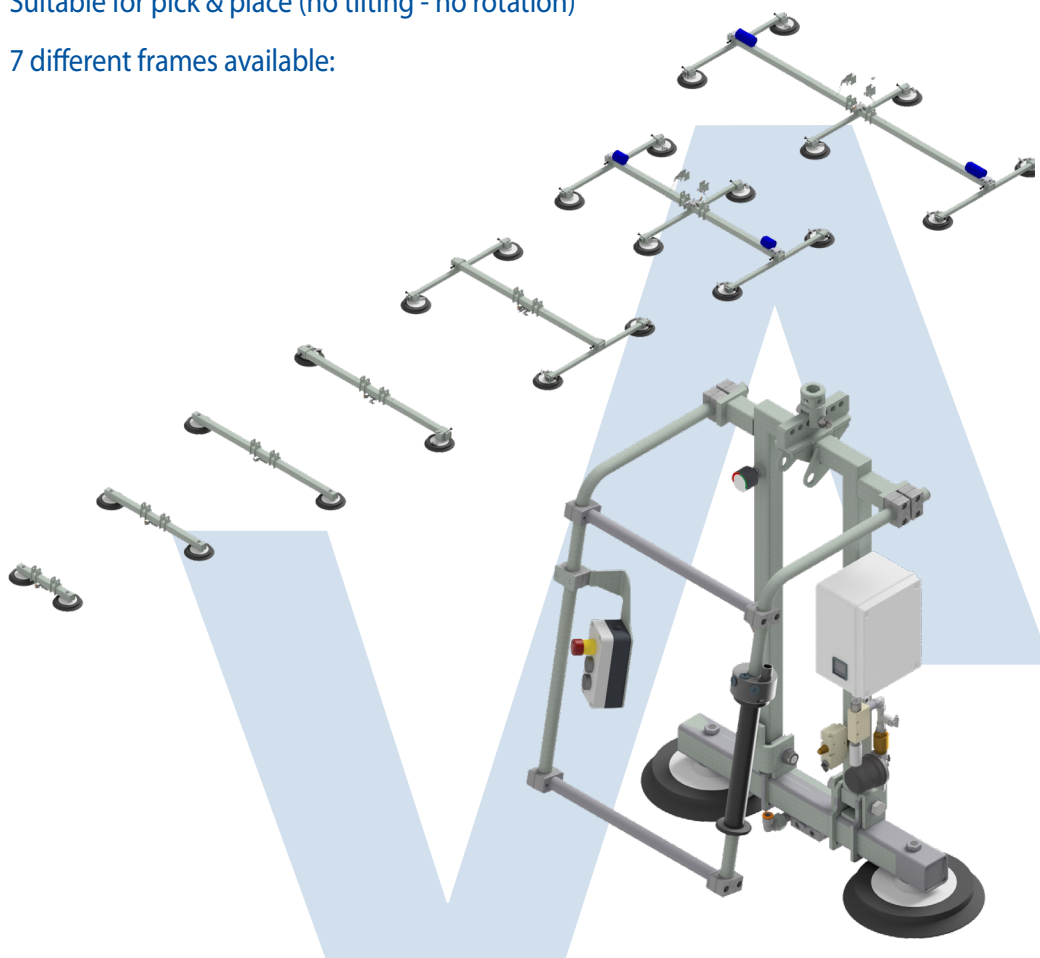
## MODELS

3 models are available: Pick&Place, Tilting, Tilting & Rotation.

### Pick&Place

Suitable for pick & place (no tilting - no rotation)

7 different frames available:

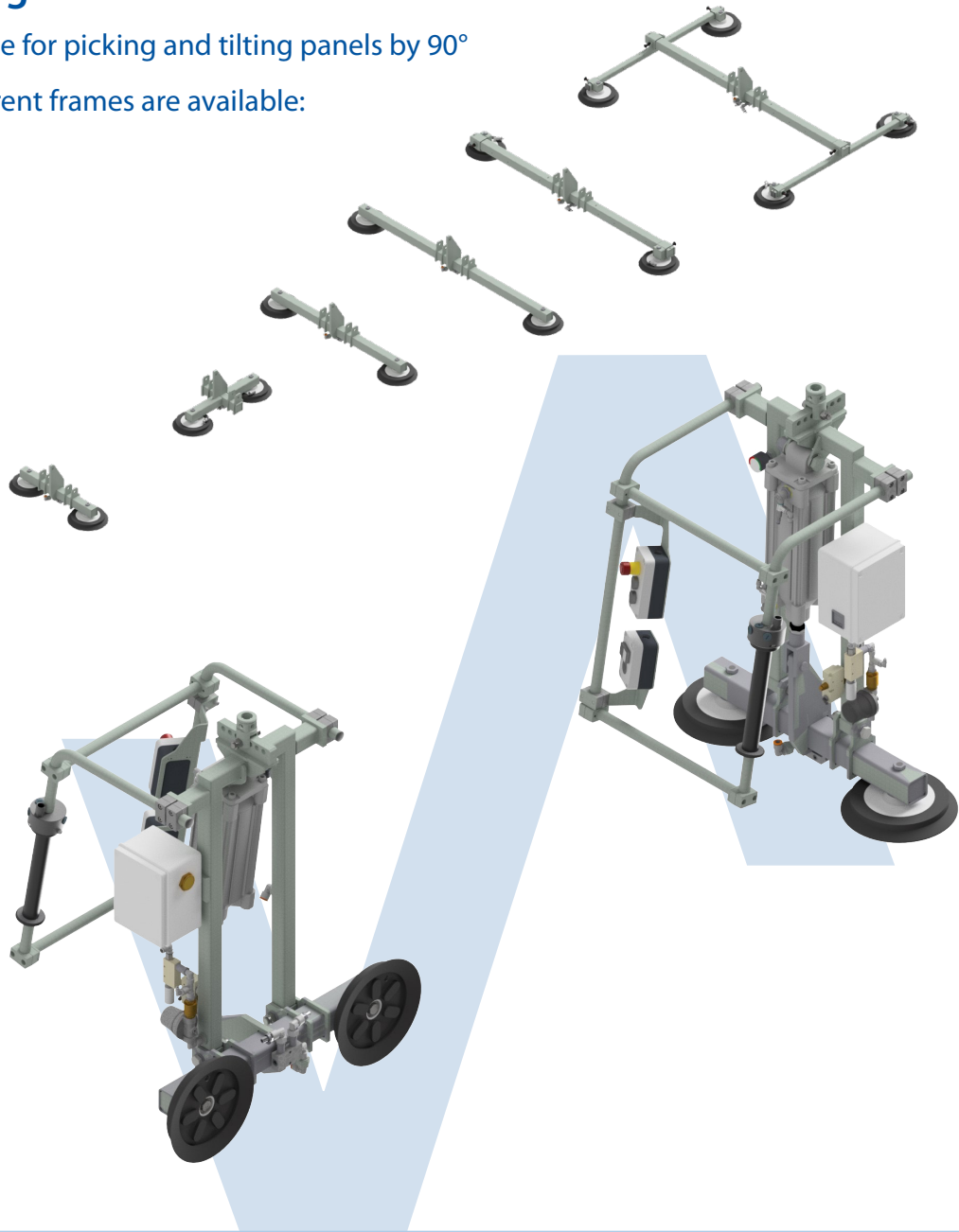


Type	Frame	Pitch between vacuum pads (mm)	N. pads	Ø vac. pad. (mm)	Max Capacity (kg)
1	Fixed	500	2	250	250
2	Fixed	1000	2	250	250
3	Fixed	1500	2	250	250
4	Adjustable	max 1590 min 510	2	250	250
5	Adjustable	max 1500 x 1050 min 425 x 340	4	250	250
6	Adjustable	max 1800 x 1050 min 565 x 340	6	250	220
7	Adjustable	max 2300 x 1050 min 565 x 340	6	250	220

### Tilting

Suitable for picking and tilting panels by 90°

6 different frames are available:



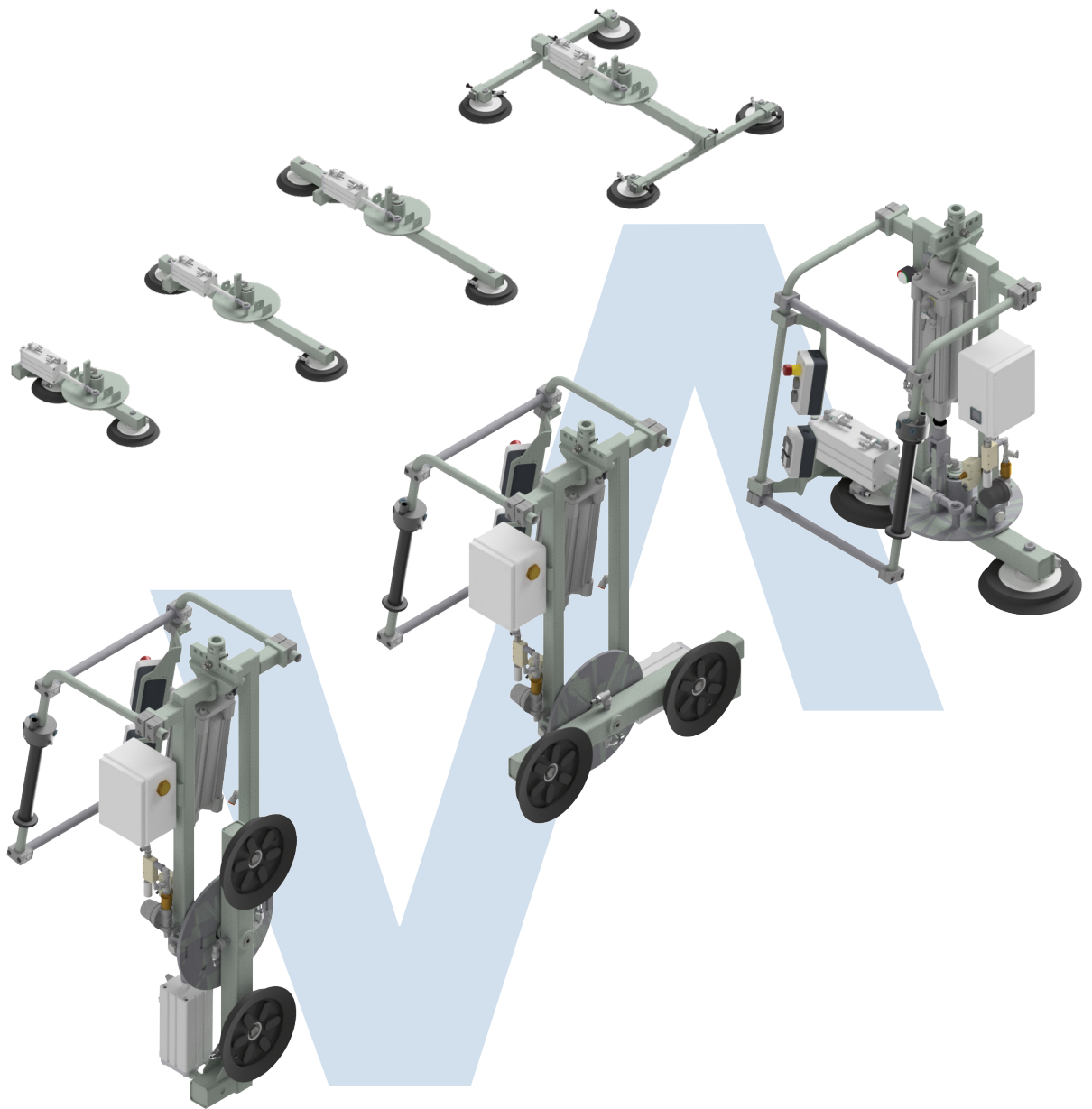
Type	Frame	Pitch between vacuum pads (mm)	N. pads	Ø vac. pad. (mm)	Max Capacity kg
1	Fixed	500	2	250	200
2	Fixed	500 / +90°	2	250	200
3	Fixed	1000	2	250	200
4	Fixed	1500	2	250	200 kg
6	Adjustable	max 1590 min 510	2	250	200
6	Adjustable	max 1500 x 1050 min 425 x 340	4	250	200

NB: the type 2 frame is suitable for panel sizes up to 1000 mm x 1000 mm

## Tilting & Rotation

Suitable for picking, tilting and rotating panels by 90°

4 different frames are available:



Type	Frame	Pitch between vacuum pads (mm)	N. pads	Ø vac. pad. (mm)	Max Capacity (kg)
1	Fixed	500	2	250	200
2	Fixed	1000	2	250	200
3	Fixed	1250	2	250	200
4	Adjustable	max 980 x 850 min 340 x 340	4	250	200

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