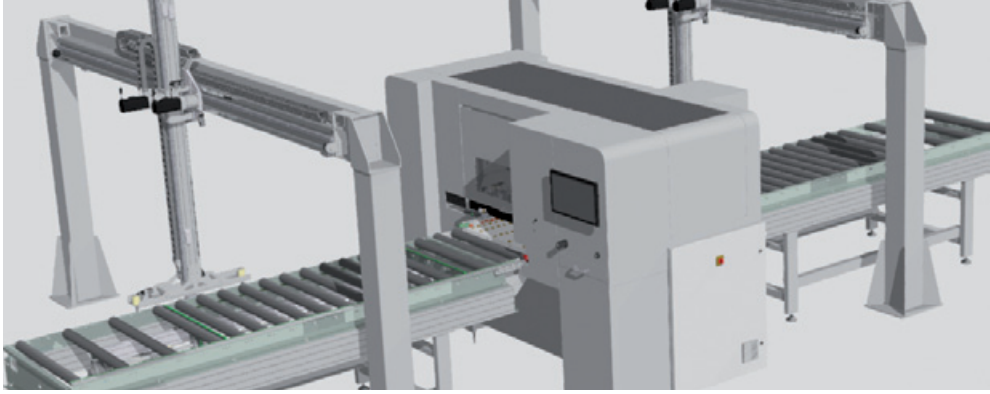
Vitap

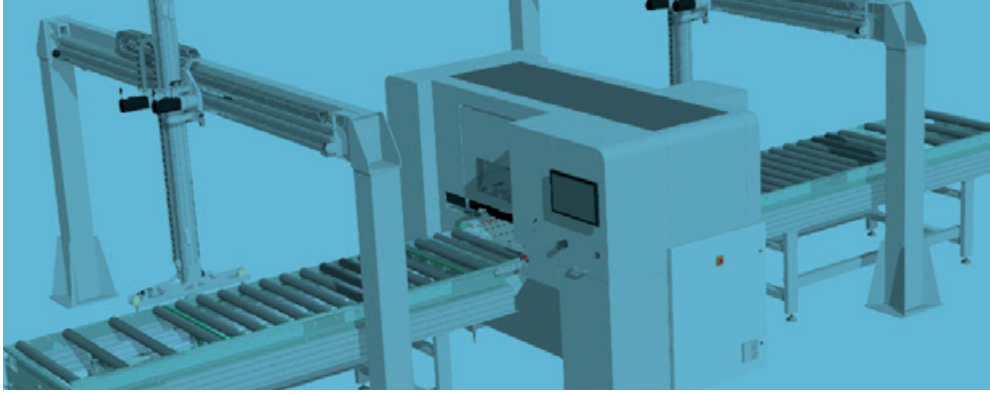
Create Smarter



Handling System FLOW

Vitap Video

Vitap
Create Smarter



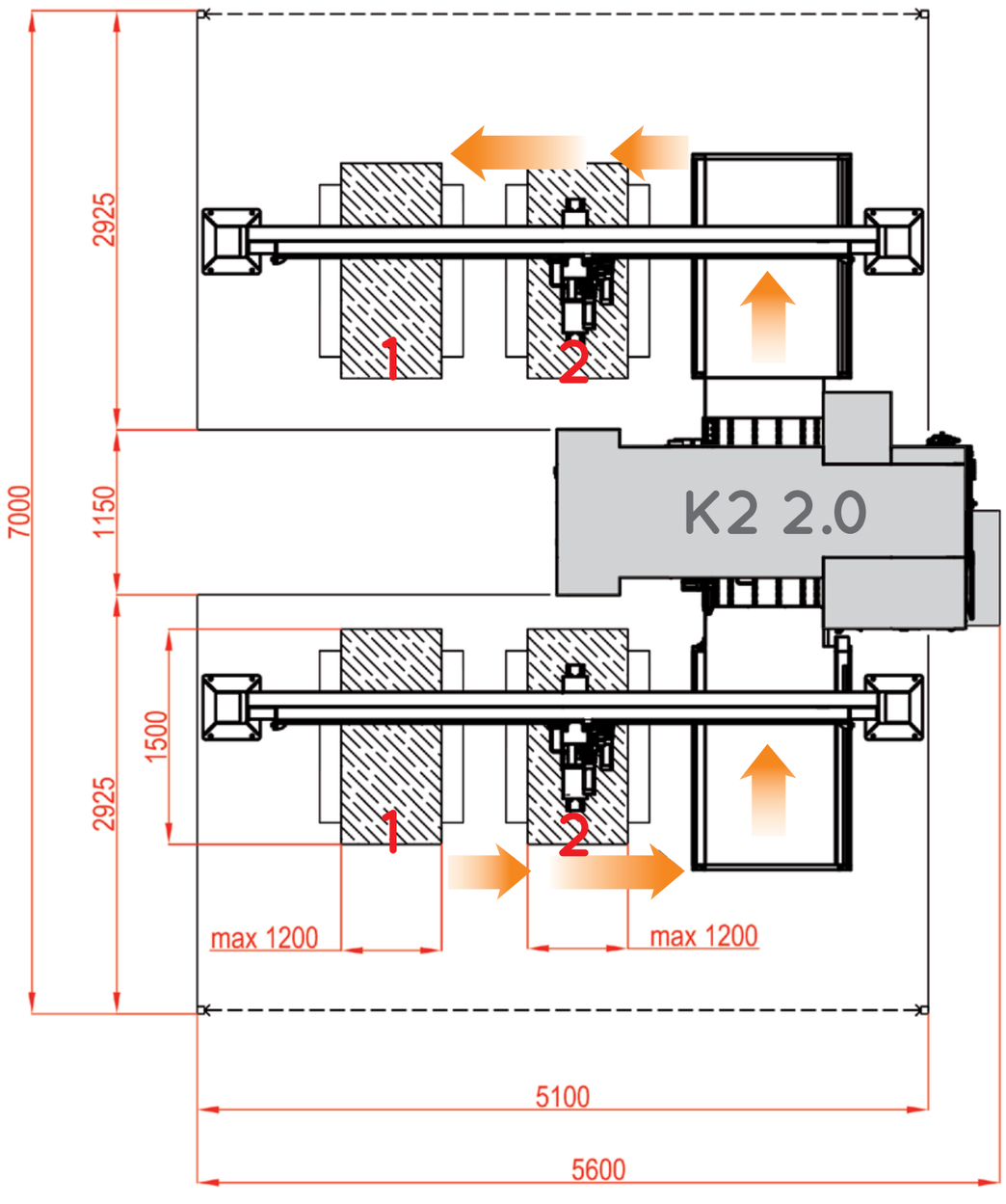
Handling System

FLOW

From the most sophisticated antropomorphic robots in the warehouses of the great distribution giants, to the basic house hardware, handling equipments are helping nowadays to creat efficiency and cost effective operations. These handling systems have contributed to make factories more productive and efficient too.
Vitap is glad to present a new department dedicated to automation which is interconnected to the fleet of compact CNC working centers of K2 2.0 and Acoustic series, allowing the creation of productive cells. Vitap philosophy aims to evolve, together her customers, from stand alone working centers to a self feeding and stacking working cell thanks to a tailored automation system.

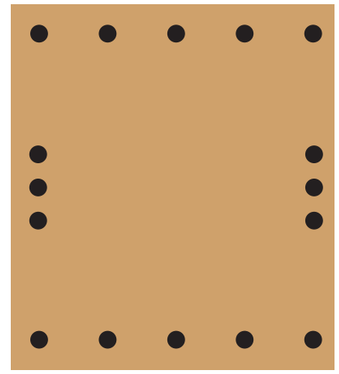
The new **FLOW** handling system has been thought for high and flexible productions. Specially designed to load and unload throughfeed longitudinal working centers. The advantage of a compact (also as an investment) handling system like **FLOW** is the capacity to constantly feed the machine without any operator except for feeding and taking out the stacks to be worked and the already worked stacks. One operator can easily manage 2 or 3 **FLOW** systems with a large production output yet very flexible.

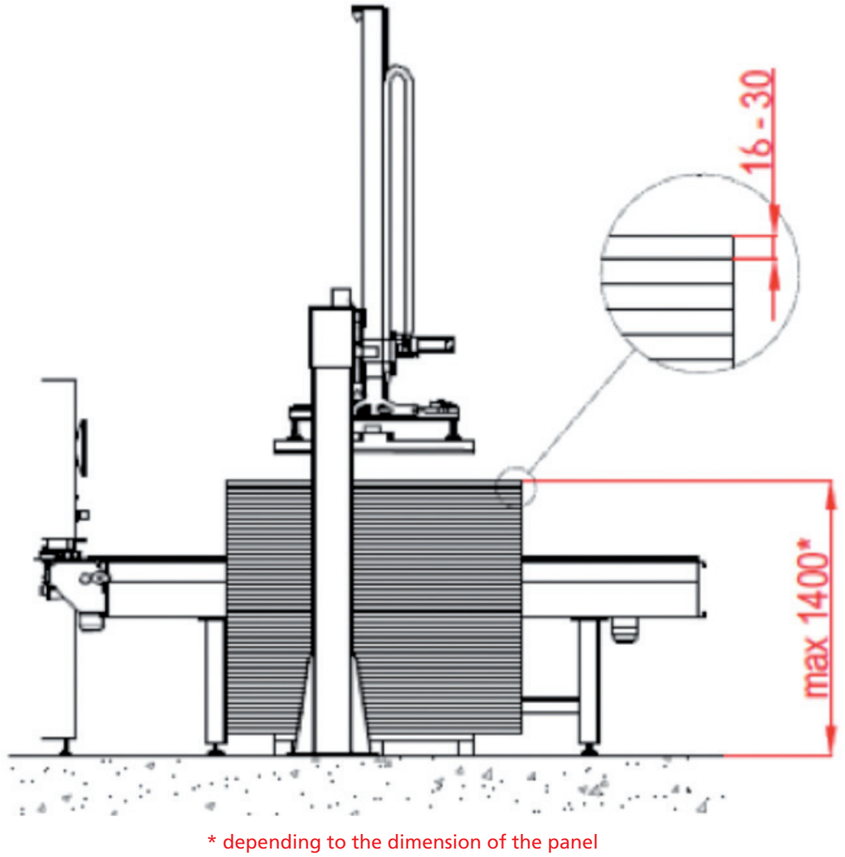
Automation K2 2.0



Example 1 kitchen base unit side gable

Pieces per minute	**4** pcs
Pieces per stack circa	**70** pcs
Stacks	**2**
Working time including lunch time and 1 extra hour without operator	**10** hours
In minutes	**600** minutes
Total out put	**2.400** pcs





PANEL DIMENSIONS

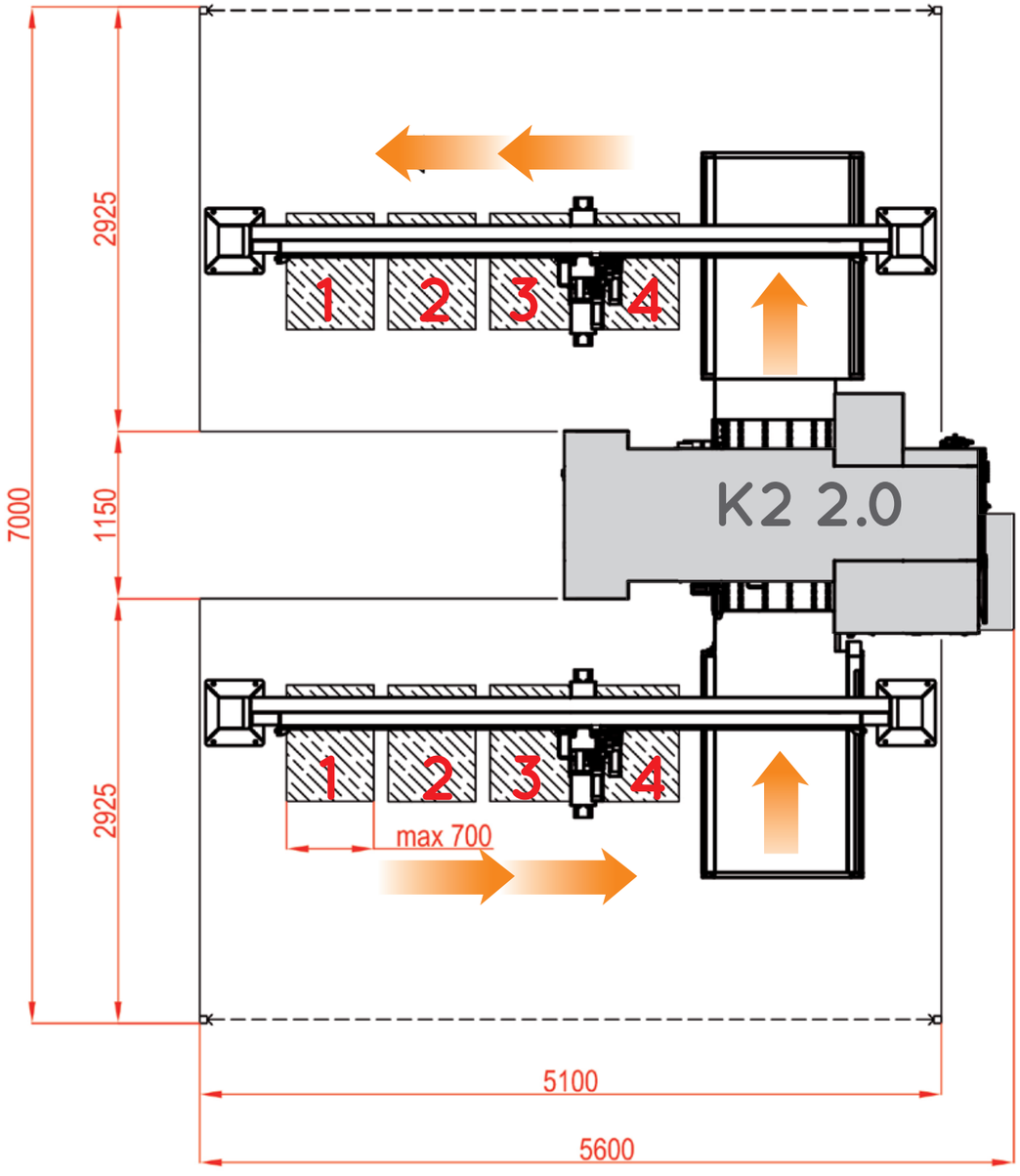
min length =	**400**
Max length =	**1.500**
min width =	**300**
Max width =	**1.200**

PRODUCTIVITY FIGURES ARE TO BE INTENDED ROUGHLY ± 20%

* depending to the dimension of the panel

FLOW 4S

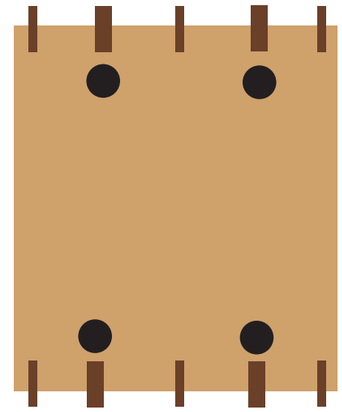
Automation K2 2.0

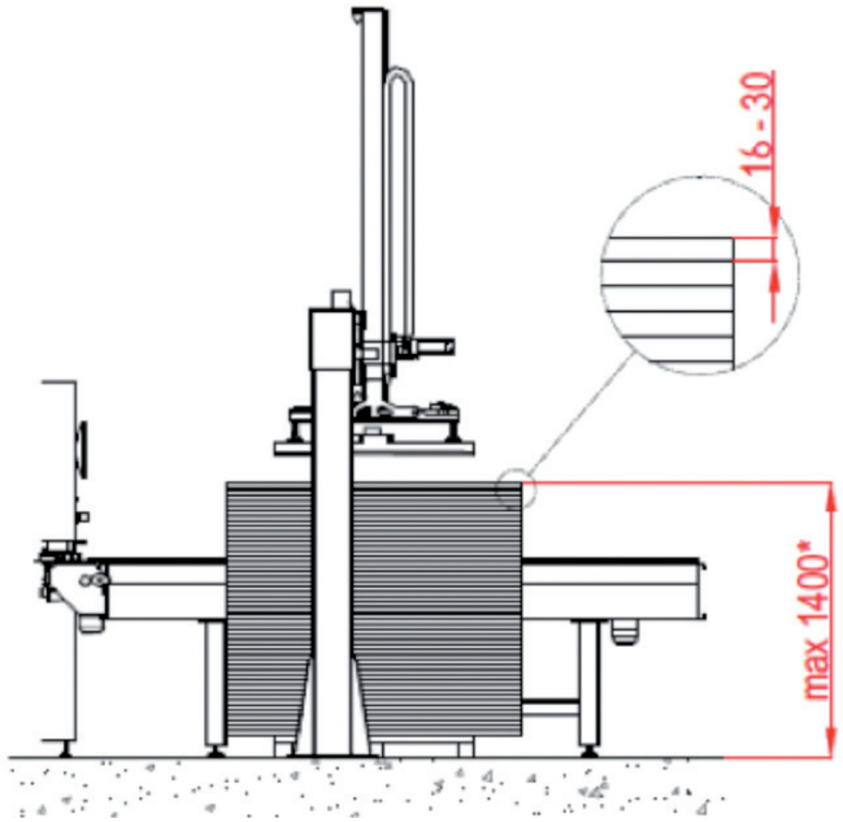


FLOW 4S

Example 2 top of a base unit with minifix

Pieces per minute	**2** pcs
Pieces per stack circa	**70** pcs
Stacks	**4**
Working time including lunch time and 1 extra hour without operator	**10** hours
In minutes	**600** minutes
Total out put	**1.200** pcs



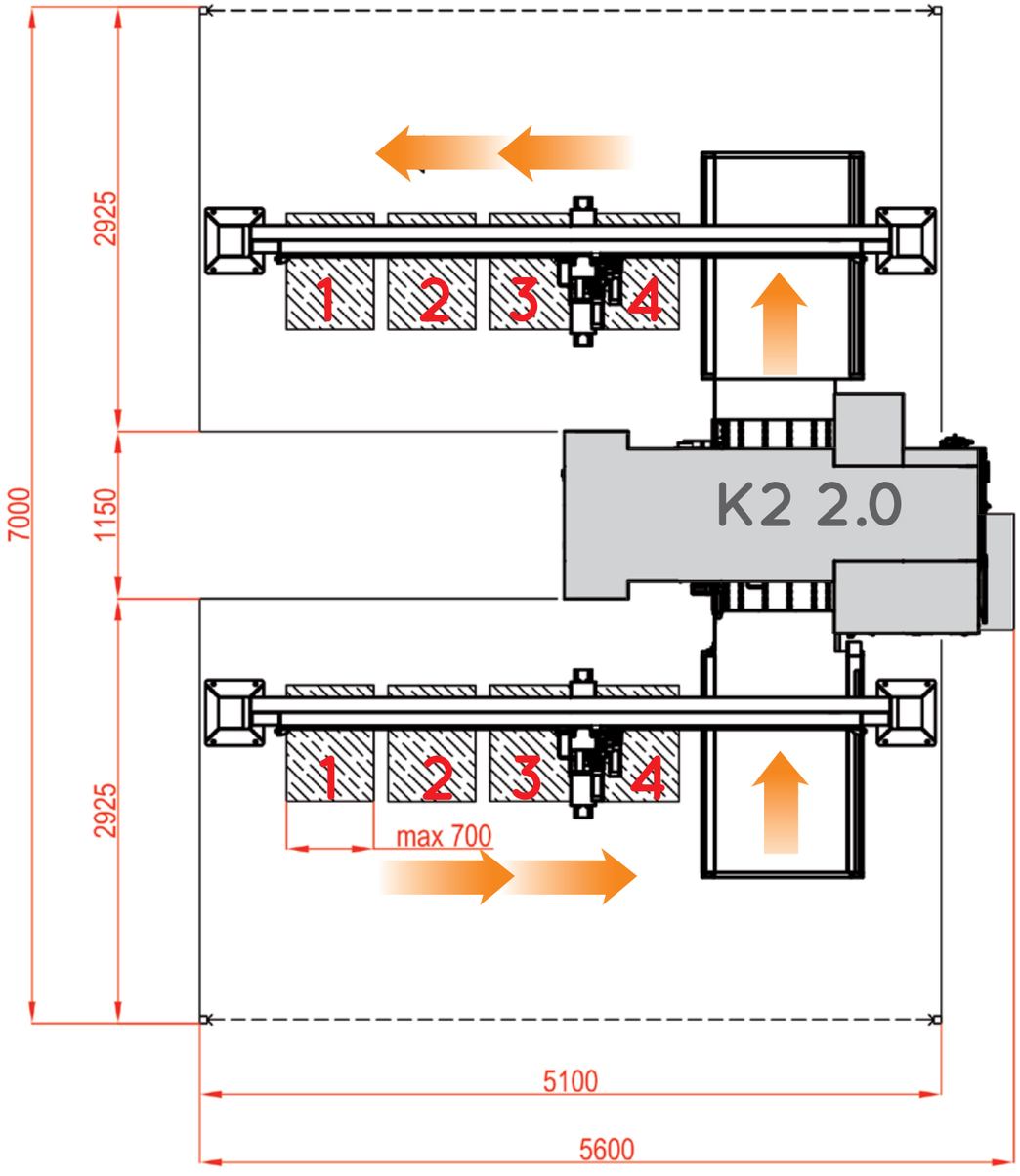


PANEL DIMENSIONS	
min length =	**400**
Max length =	**1.500**
min width =	**300**
Max width =	**700**

PRODUCTIVITY FIGURES ARE TO BE INTENDED ROUGHLY ± 20%

* depending to the dimension of the panel

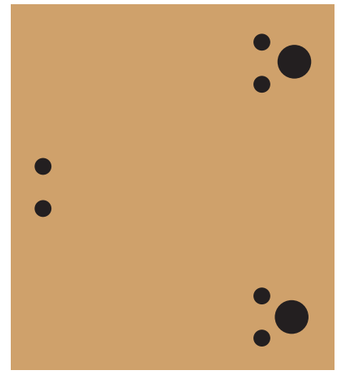
Automation K2 2.0

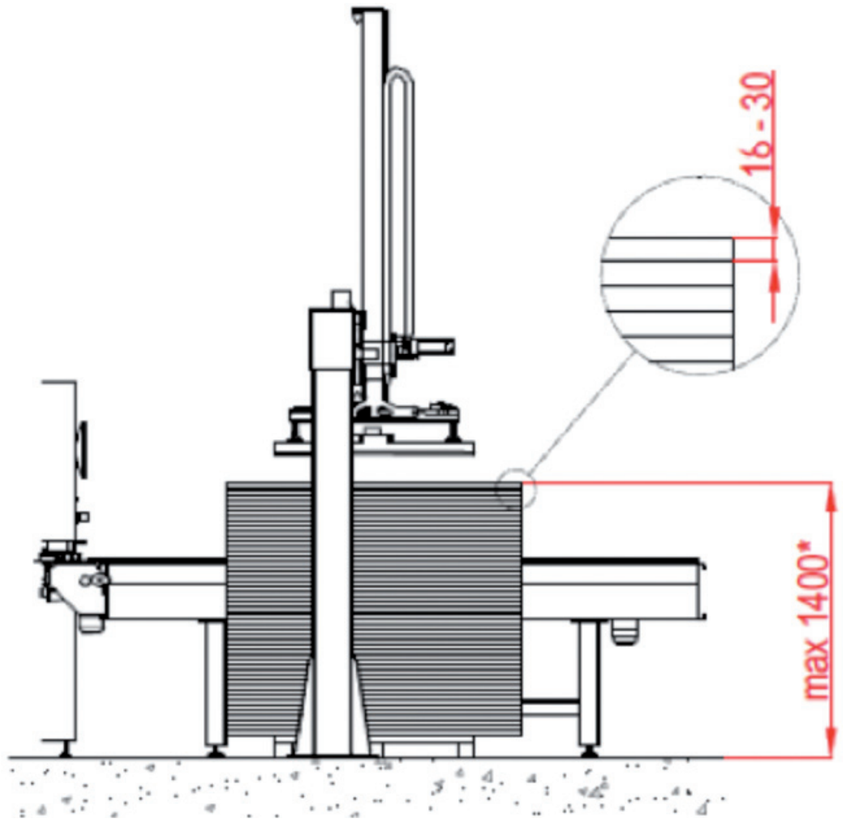


FLOW 4S

Example 3 top of a base unit door

Pieces per minute	**2** pcs
Pieces per stack circa	**70** pcs
Stacks	**4**
Working time including lunch time and 1 extra hour without operator	**10** hours
In minutes	**600** minutes
Total out put	**1.200** pcs





PANEL DIMENSIONS

min length =	**400**
Max length =	**1.500**
min width =	**300**
Max width =	**700**

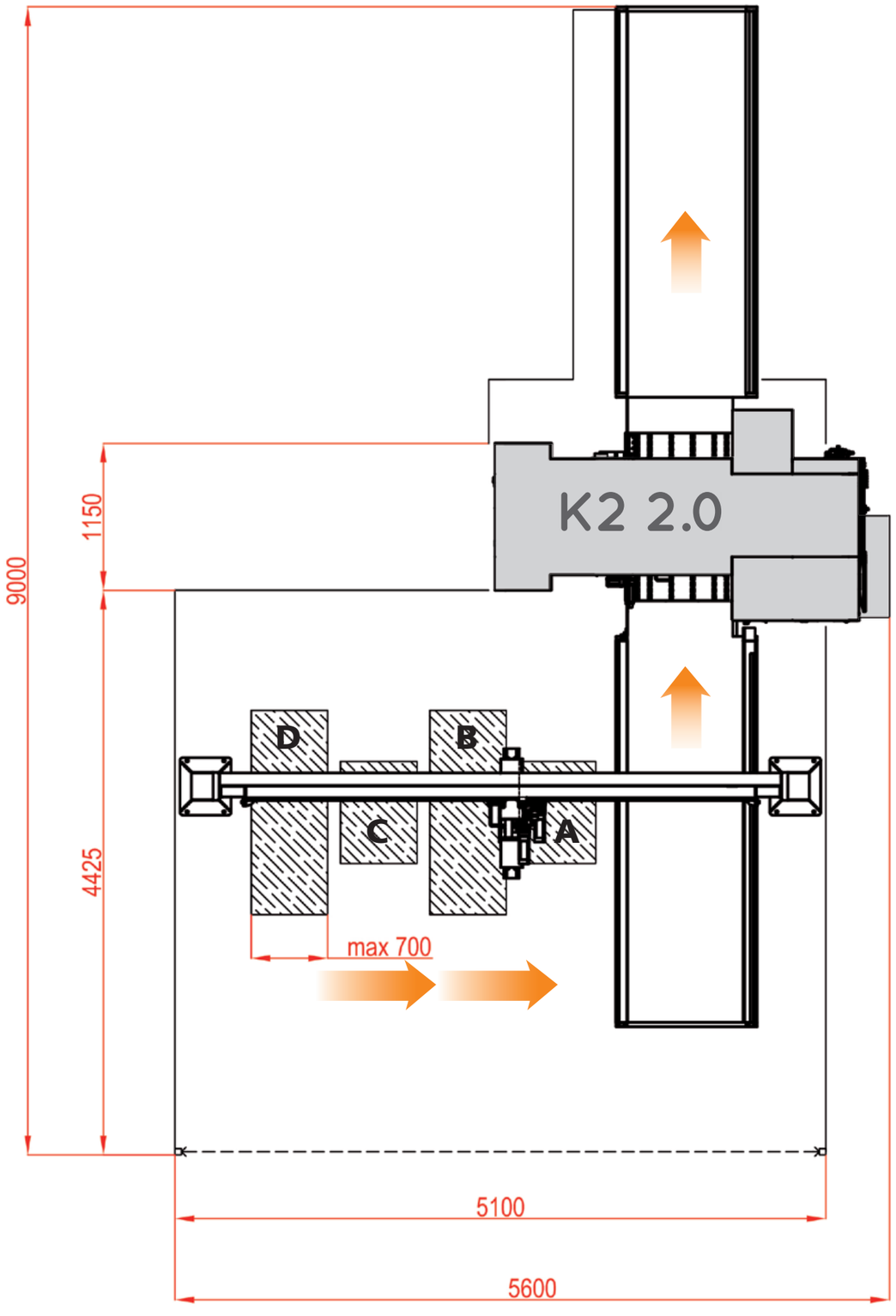
PRODUCTIVITY FIGURES ARE TO BE INTENDED ROUGHLY ± 20%

* depending to the dimension of the panel

Automation K2 2.0

4

FLOW BATCH SIZE 1

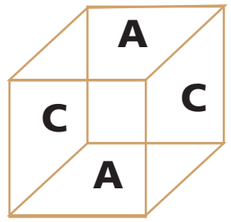


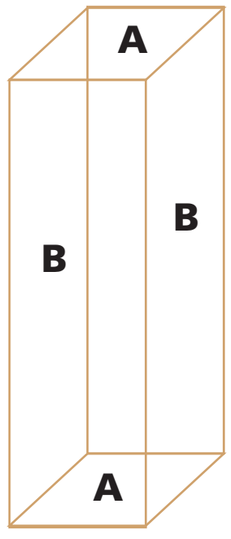
PRODUCTIVITY FIGURES ARE TO BE INTENDED ROUGHLY ± 20%

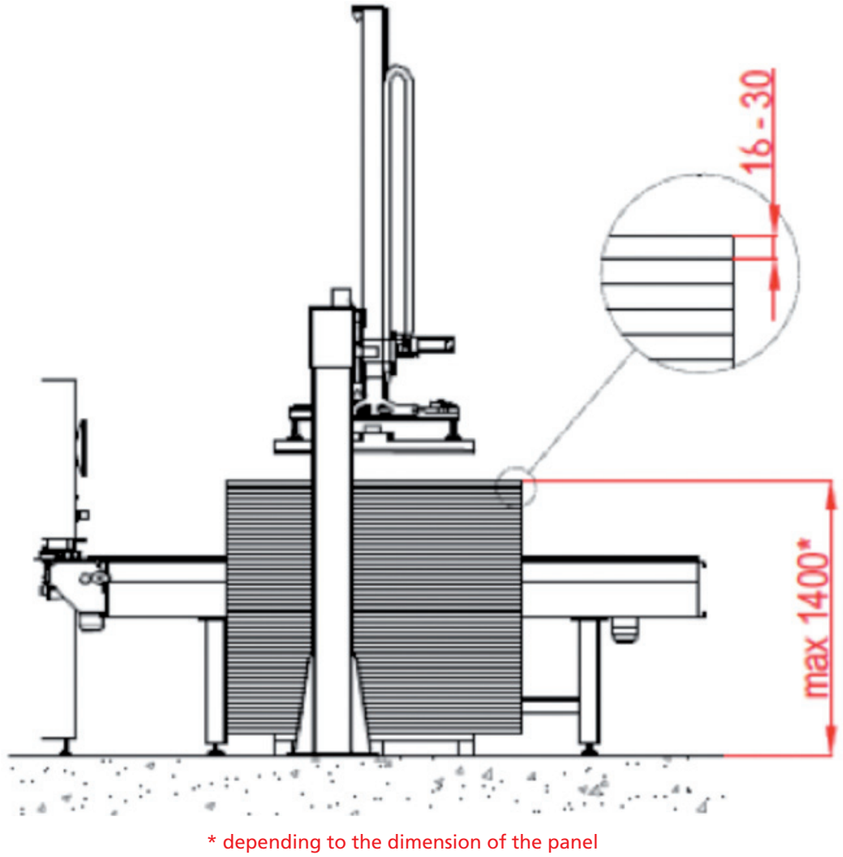
FLOW BATCH SIZE 1

Example 4 batch size 1 kitchen unit

Pieces per minute	**3** pcs
Pieces per stack circa	**70** pcs
Stacks	**4**
Working time including lunch time and 1 extra hour without operator	**10** hours
In minutes	**600** minutes
Total out put	**1.800** pcs
Complete cabinets (4 pieces)	400/**450** pcs







PANEL DIMENSIONS

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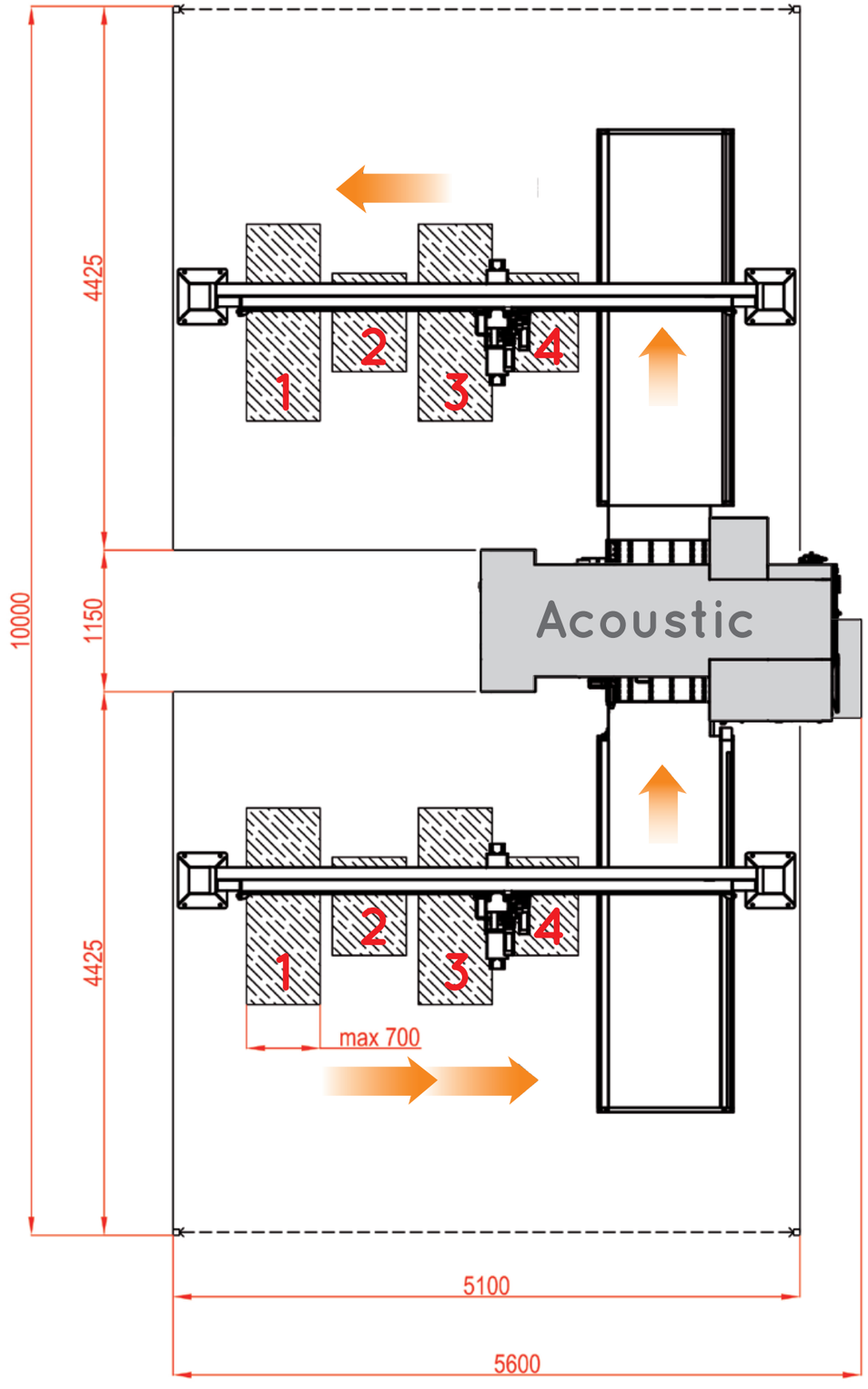
Max length =	**2.400**
min width =	**300**
Max width =	**700**

* depending to the dimension of the panel

FLOW 4 Acoustic



PRODUCTIVITY FIGURES ARE TO BE INTENDED ROUGHLY ± 20%

Automation Acoustic

FLOW 4 Acoustic

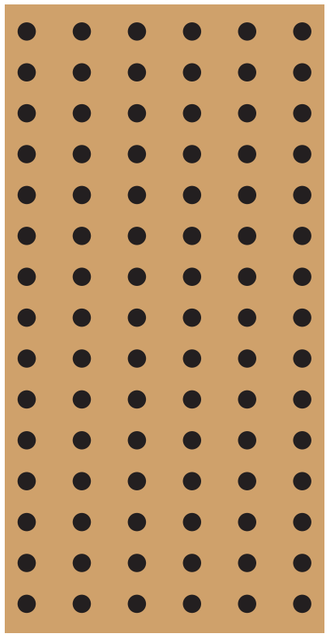
Example 5 with special stacker

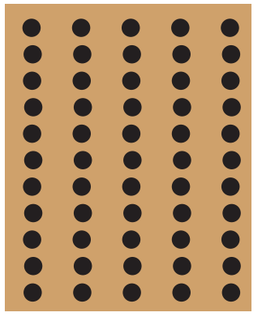
Pieces with 2000 holes	**0,5** pcs
Pieces per minute	**0,5** pcs
Pieces per stack circa	**70** pcs
Stacks	**4**
Working time including lunch time and 1 extra hour without operator	**10** hours
In minutes	**600** minutes
Total out put	**300** pcs

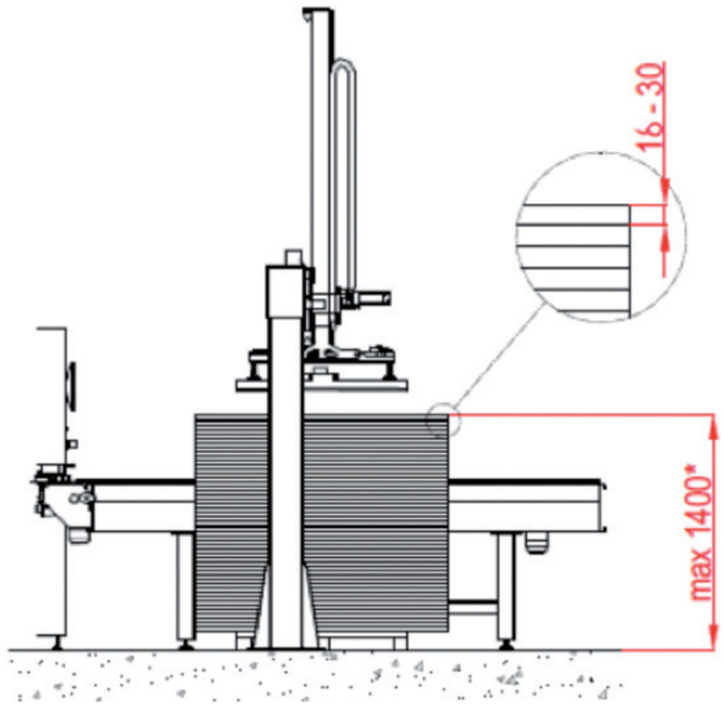
POINT ACOUSTIC with FLOW HANDLING

Average selling price per m²	€ 40
Average cost per m²	€ 10
Mark up per m²	€ 30
ProductIvity per day	300 pcs
Mark up per day	€ 9.000

So you can pay back the entire plant (ROI) in about 20 working days.







* depending to the dimension of the panel

PANEL DIMENSIONS

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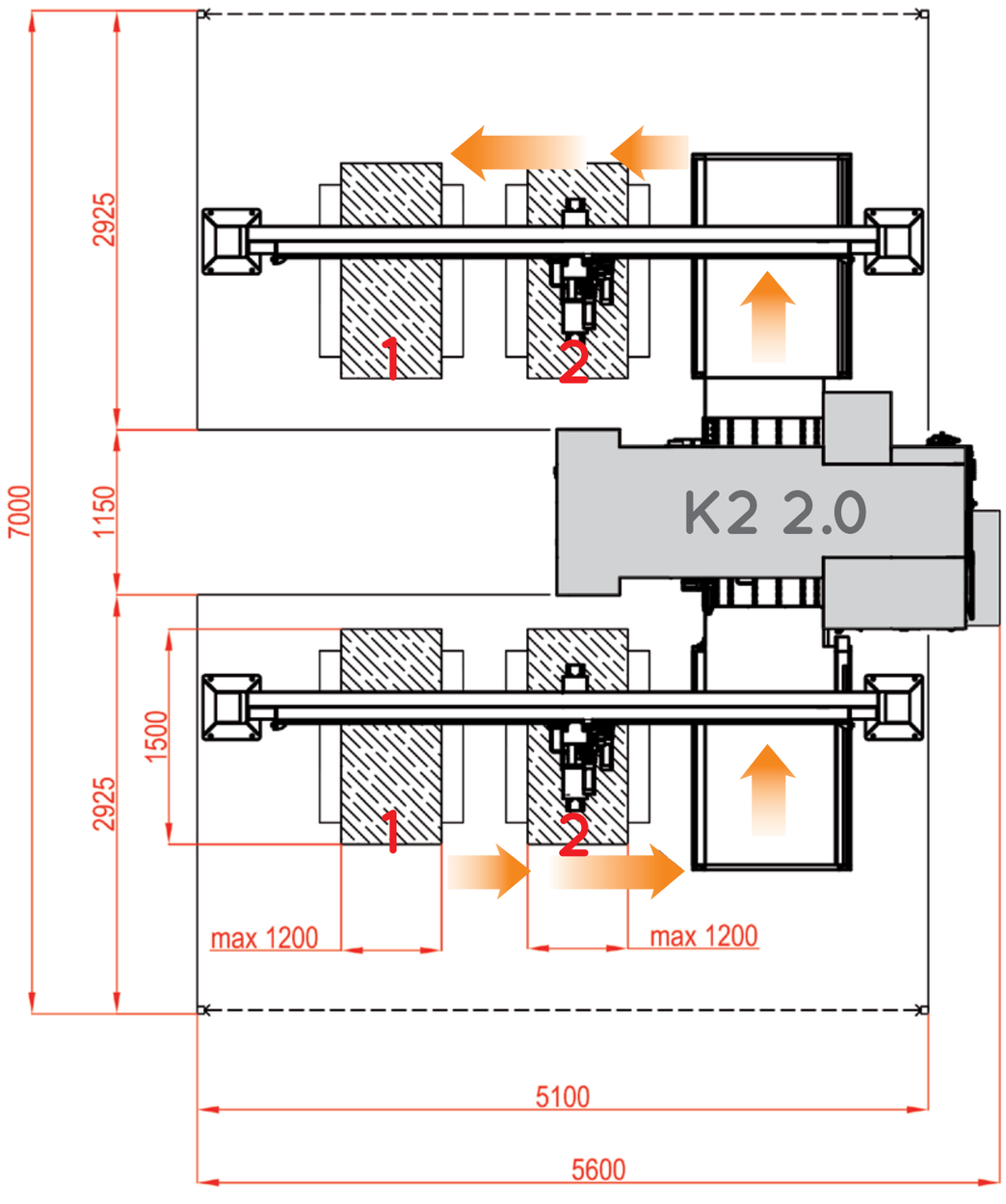
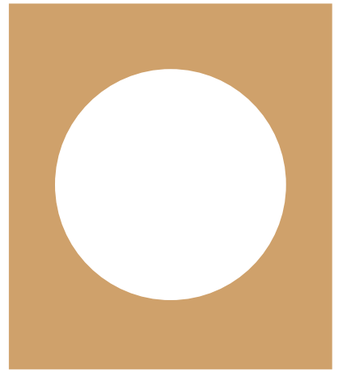
Max length =	**2.400**
min width =	**300**
Max width =	**700**

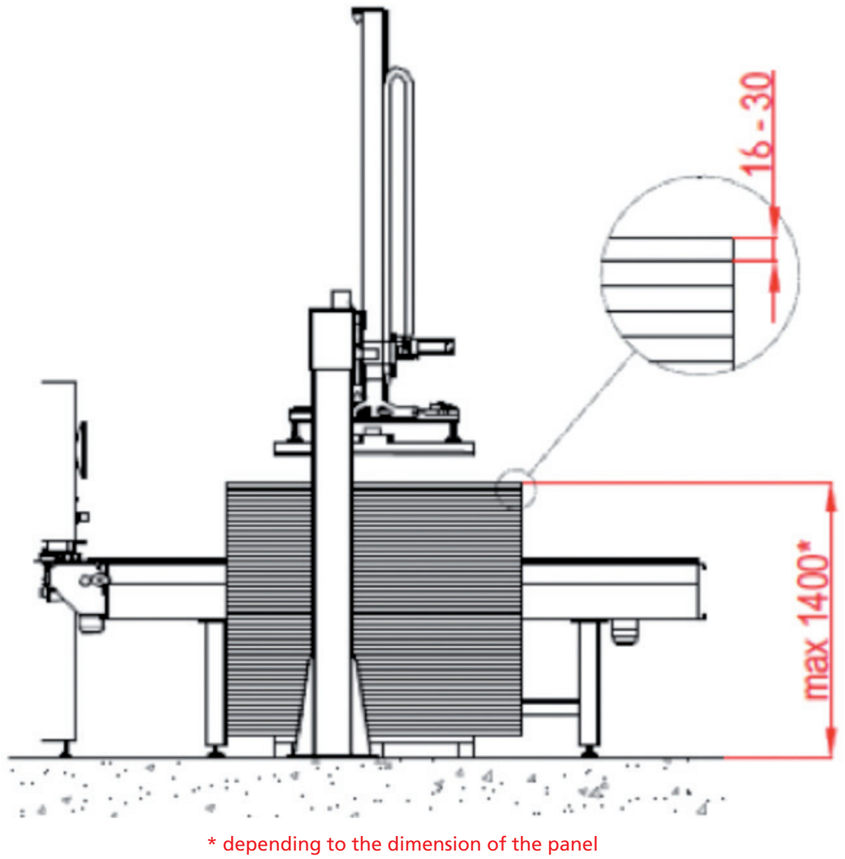


FLOW 2S

Example 6 piece with big hole in center

Pieces per minute	**1,4** pcs
Pieces per stack circa	**70** pcs
Stacks	**2** pcs
Working time including lunch time and 1 extra hour without operator	**10** hours
In minutes	**600** minutes
Total out put	**840** pcs





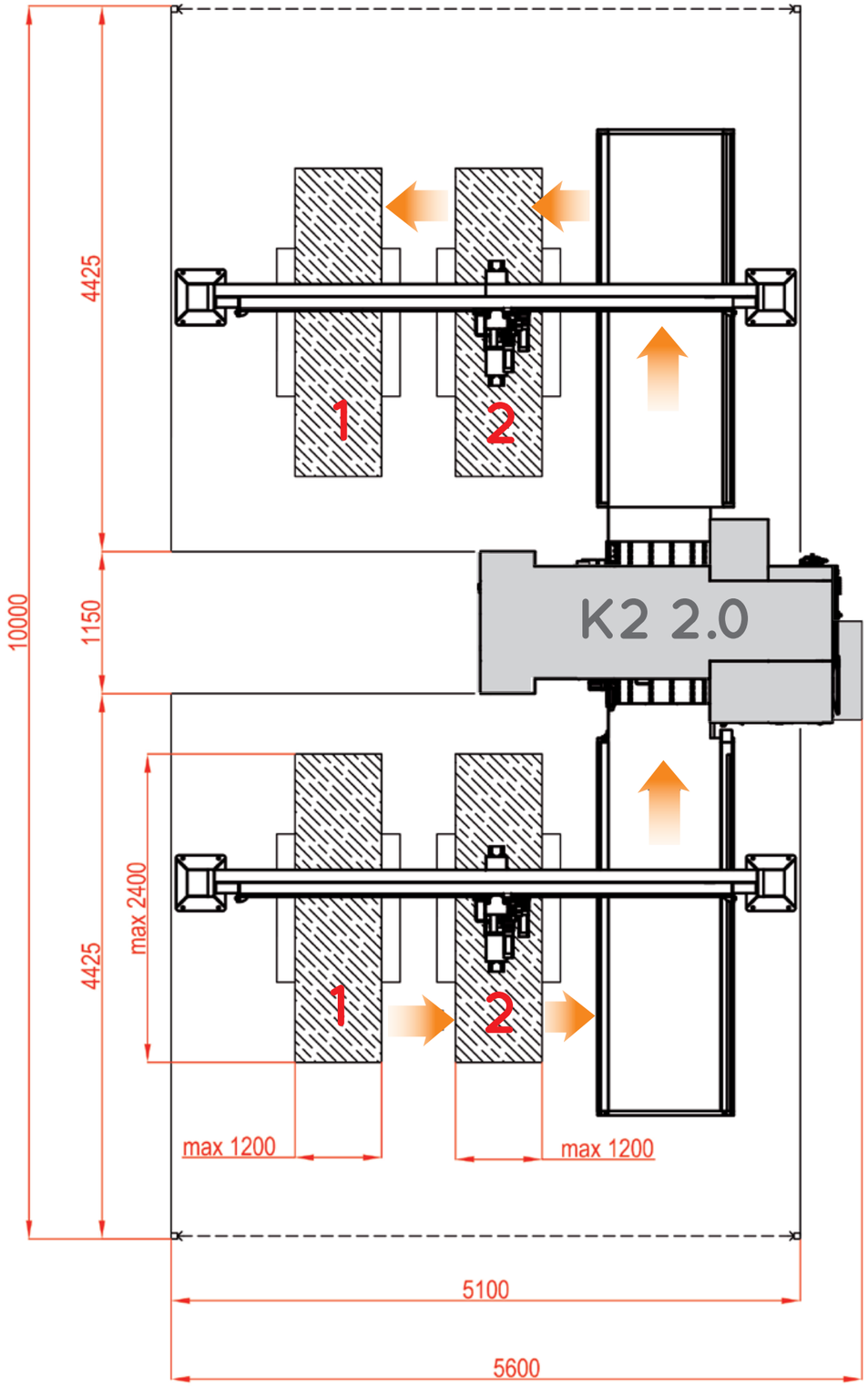
PANEL DIMENSIONS

min length =	**400**
Max length =	**1.500**
min width =	**300**
Max width =	**1.200**

PRODUCTIVITY FIGURES ARE TO BE INTENDED ROUGHLY ± 20%

* depending to the dimension of the panel

FLOW 2L

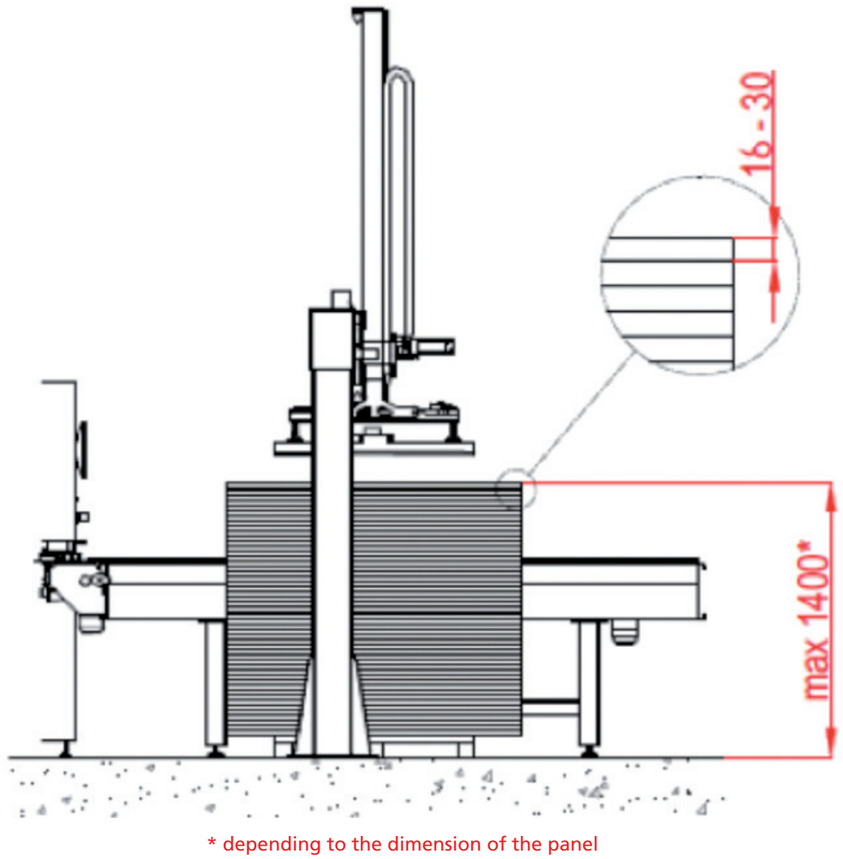


PRODUCTIVITY FIGURES ARE TO BE INTENDED ROUGHLY ± 20%

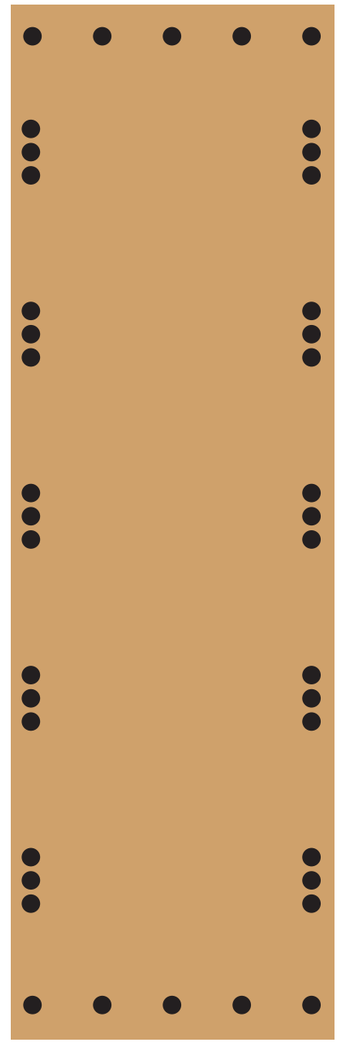
FLOW 2L

Example 7 side of a library

Pieces per minute	**0,7** pcs
Pieces per stack circa	**70** pcs
Stacks	**2**
Working time including lunch time and 1 extra hour without operator	**10** hours
In minutes	**600** minutes
Total out put	**420** pcs



* depending to the dimension of the panel



PANEL DIMENSIONS

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min width =	**300**
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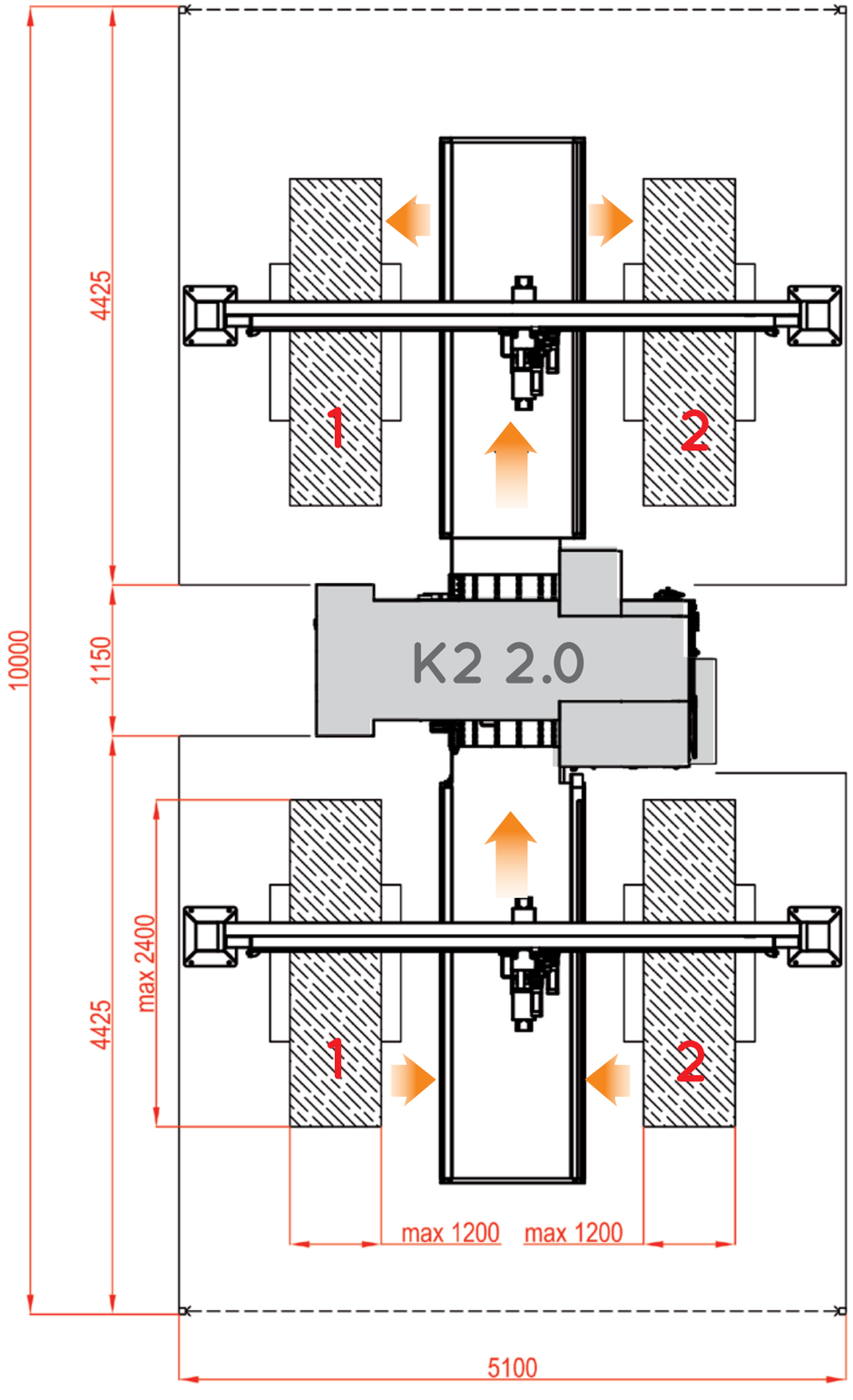
FLOW 2L

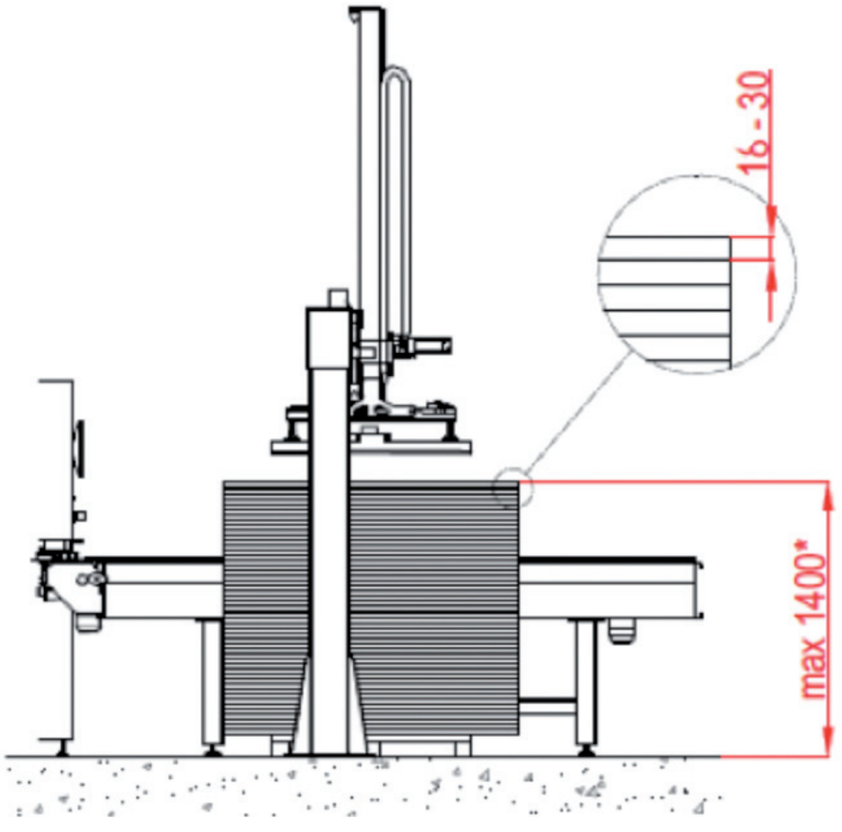


PRODUCTIVITY FIGURES ARE TO BE INTENDED ROUGHLY ± 20%

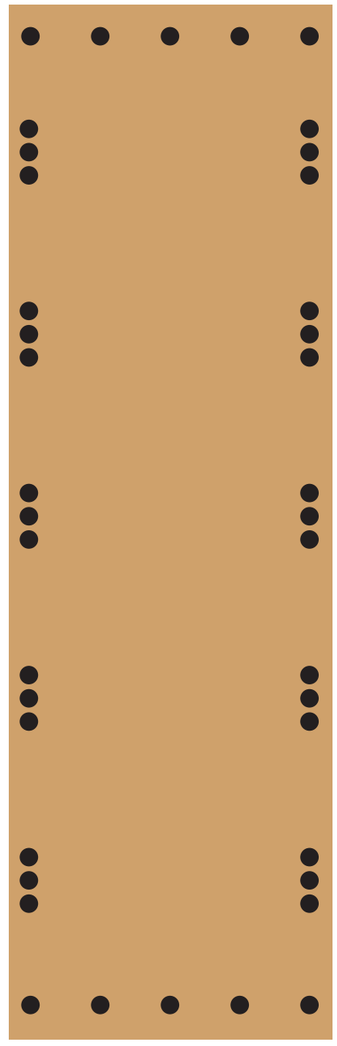
FLOW 2L

Example 8 side of a library

Pieces per minute	**0,7** pcs
Pieces per stack circa	**70** pcs
Stacks	**2**
Working time including lunch time and 1 extra hour without operator	**10** hours
In minutes	**600** minutes
Total out put	**420** pcs



* depending to the dimension of the panel



PANEL DIMENSIONS

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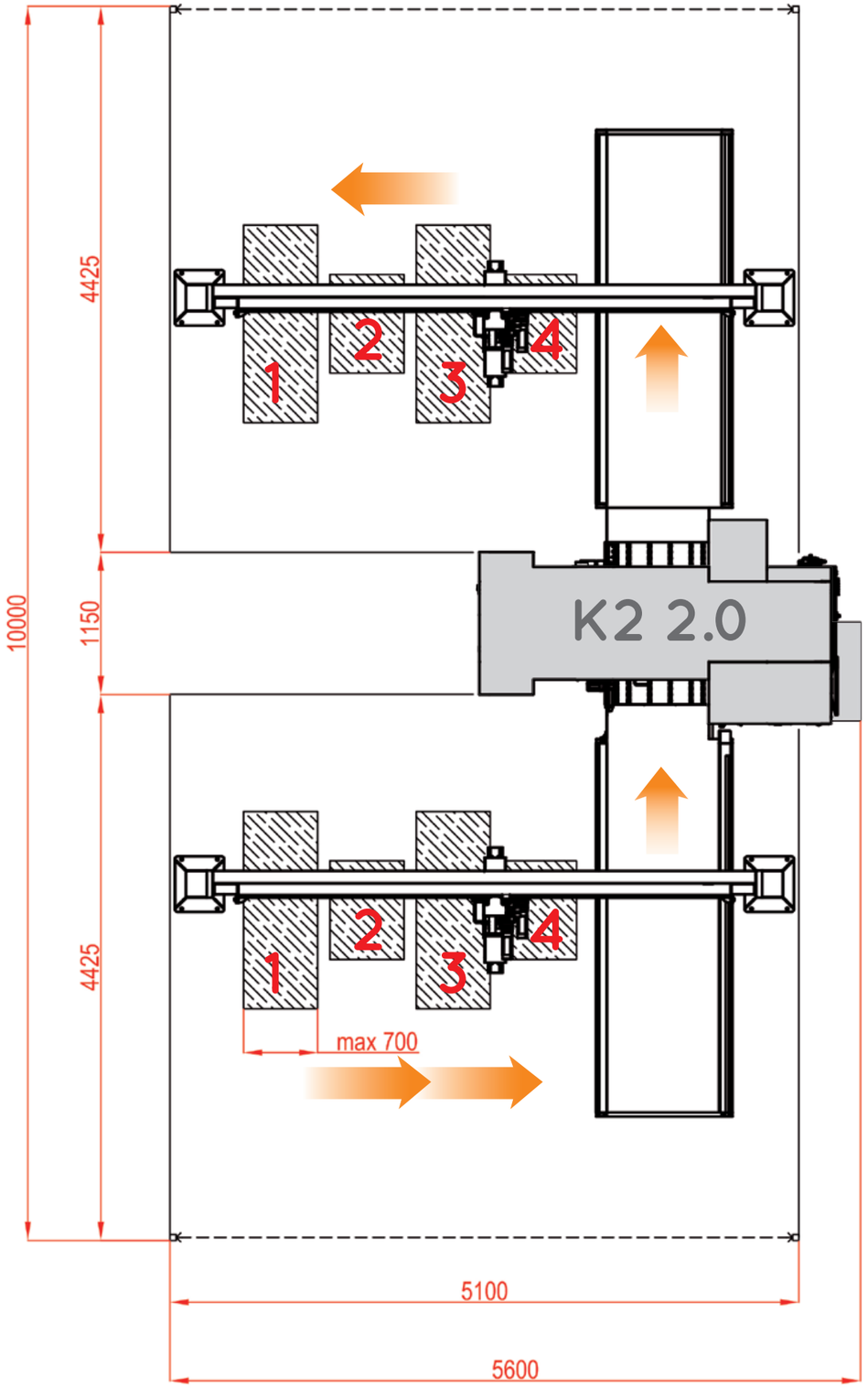
Max width =	**1.200**

FLOW 4L

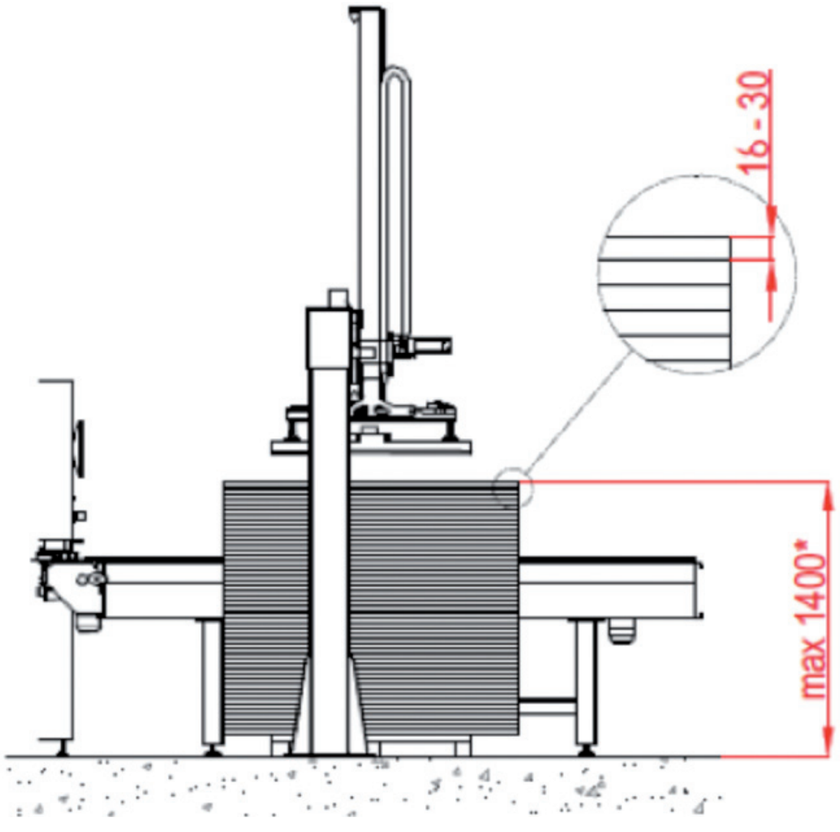


PRODUCTIVITY FIGURES ARE TO BE INTENDED ROUGHLY ± 20%

FLOW 4L

Example 9 long door

Pieces per minute	**0,7** pcs
Pieces per stack circa	**70** pcs
Stacks	**4**
Working time including lunch time and 1 extra hour without operator	**10** hours
In minutes	**600** minutes
Total out put	**420** pcs



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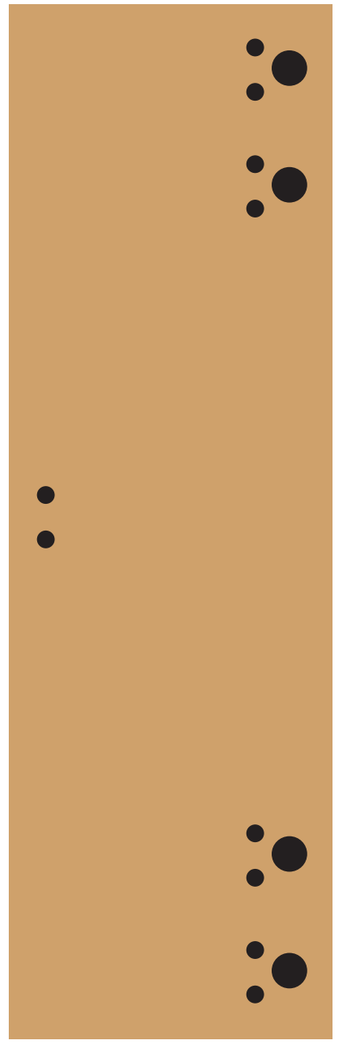

PANEL DIMENSIONS

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min width =	**300**
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