



**FRIULMAC**  
SPECIAL WOODWORKING MACHINERY



KITCHEN  
CABINET  
DOORS  
SOLUTIONS

The wood-working machinery manufacturing industry has been an Italian tradition for over 50 years. Friulmac with its forty years is a perfect example of a growth that this sector has experienced over in Italy, placing the country itself on the top of the world-wide machinery exporters list.

Friulmac main facilities are located in the North-Eastern part of Italy near the city of Udine. 10.000 sq m represent the actual manufacturing area placed over a total area of 25.000 sq m; there is plenty of room for future expansion.

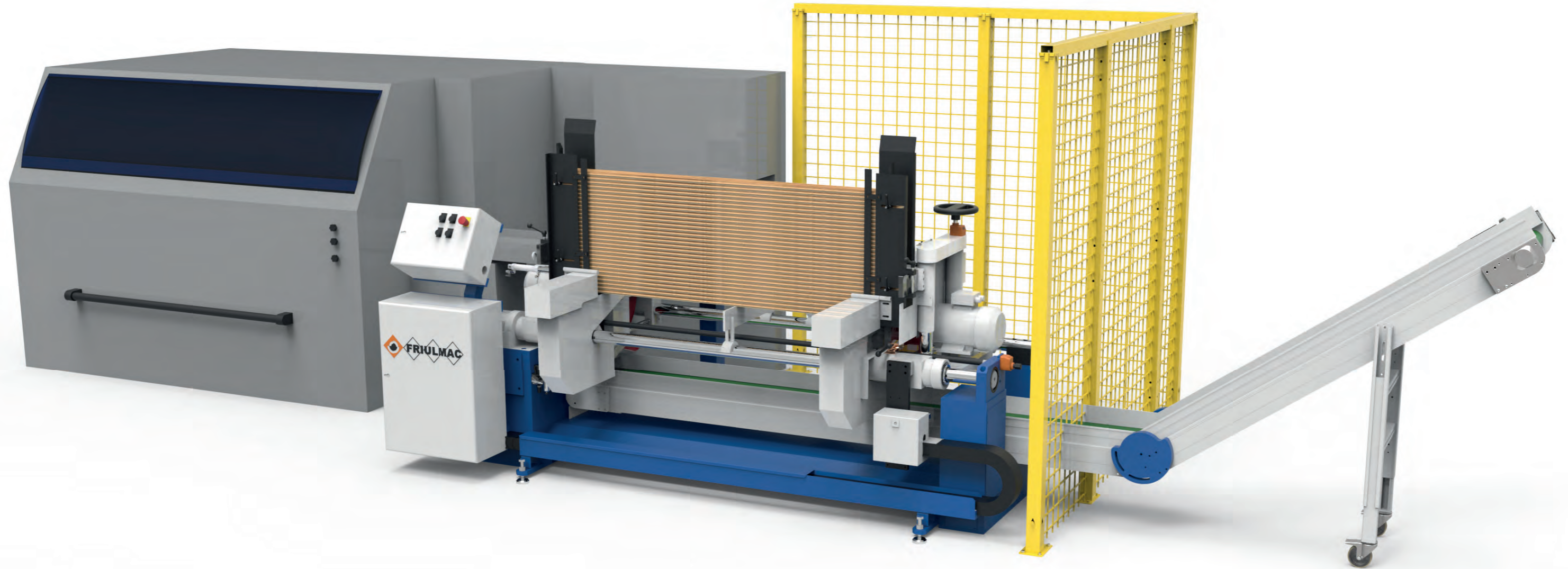
Highly qualified labour and the use of most advanced technologies in both design and production guarantee the preservation of extremely high quality standards which have built Friulmac's reputation as one of the most trusted and respected realities world wide.

Friulmac's product range includes heavy duty double and single end tenoners, standard as well as custom built working centre for furniture, entry door and cabinet door components, handling equipment, feeding systems and hopper feeders for moulders.



## Contents

<b>DUALFEED</b> Dualfeed Plus	<b>pag. 4</b> pag. 6
<b>CONTOURAMAT</b> Contouramat 003 Contouramat 004 Contouramat 008 Contouramat 008A Contouramat with Bridge	<b>pag. 8</b> pag. 10 pag. 11 pag. 12 pag. 13 pag. 14
<b>RANDOMAT-E</b>	<b>pag. 16</b>
<b>MULTIMAT</b>	<b>pag. 20</b>
<b>IDRAMAT</b> Idramat 3WS - 45° Idramat 3WS - 45° Idramat 4WS - 90° Idramat 5WS - 90° Idramat 6WS - 90°	<b>pag. 24</b> pag. 26 pag. 28 pag. 30 pag. 32 pag. 34
<b>QUADRAMAT-EVO</b> Quadramat-Evo 002A Quadramat-Evo 004A Quadramat-Evo 004B Quadramat-Evo 004C Quadramat-Evo 006A Quadramat-Evo 006B	<b>pag. 36</b> pag. 38 pag. 40 pag. 42 pag. 44 pag. 46 pag. 48
<b>QUADRAMAT-S</b>	<b>pag. 50</b>
<b>LINE EXAMPLES</b>	<b>pag. 60</b>



KITCHEN CABINET DOORS SOLUTIONS

KITCHEN CABINET DOORS SOLUTIONS

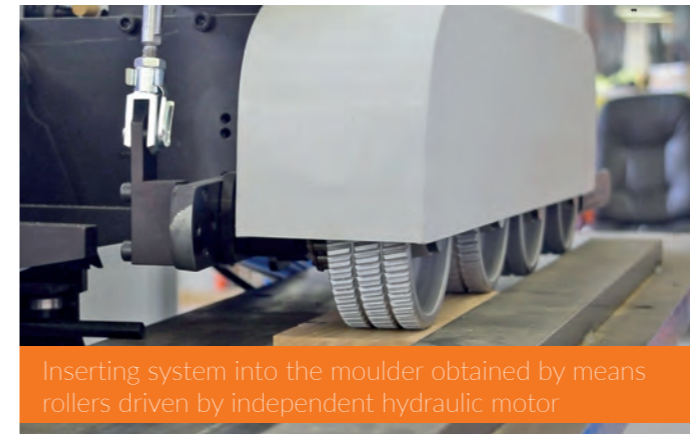
*moulder and periferic protection as reference only*



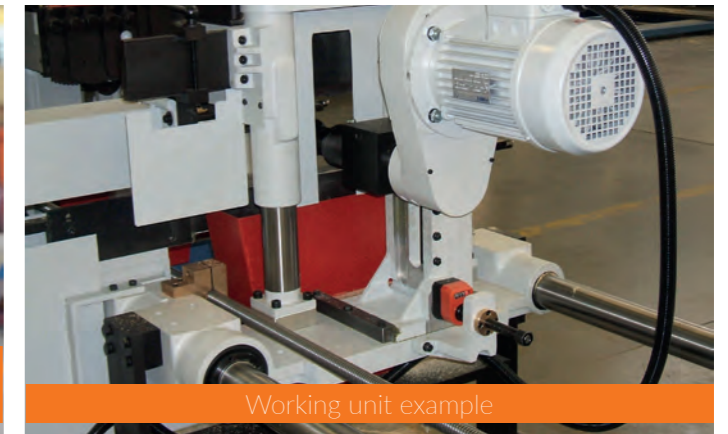
Work pieces vertical hopper-feeder



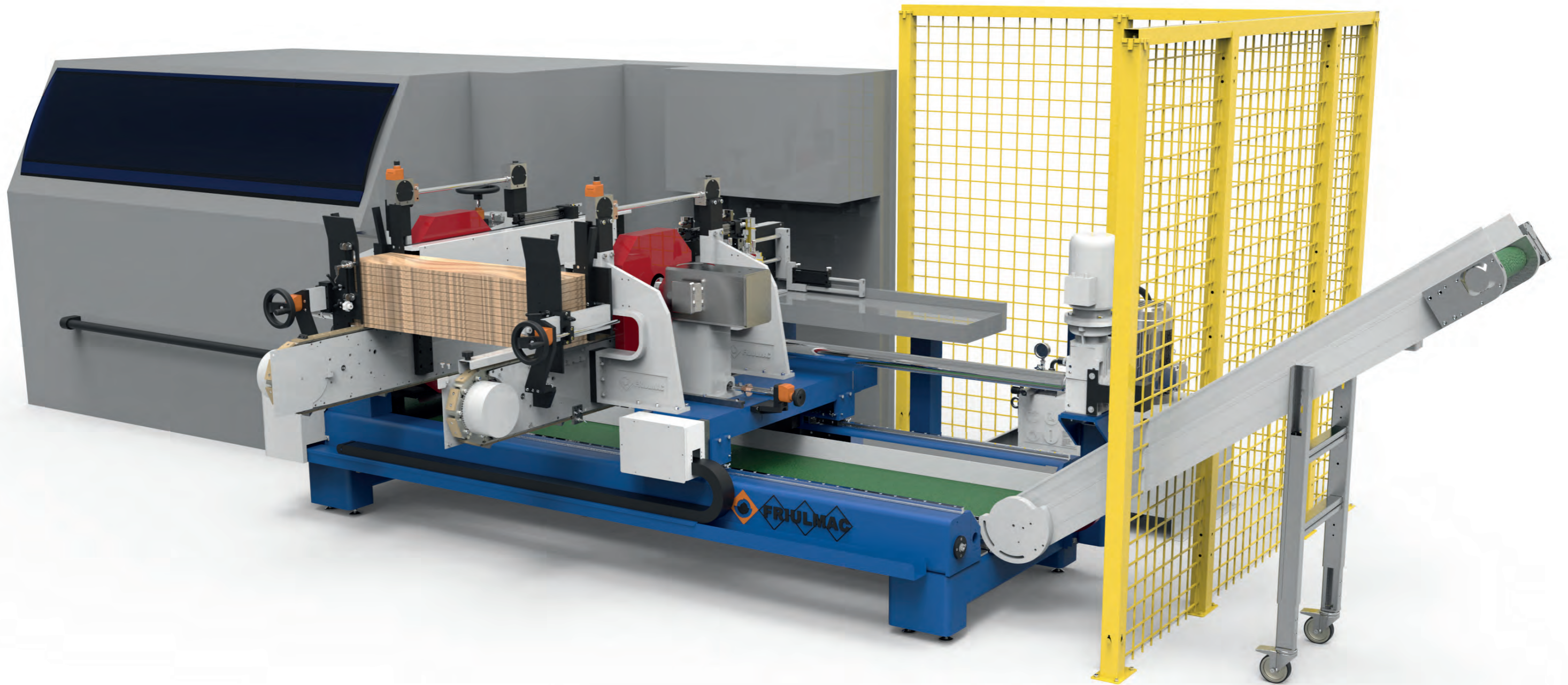
"Blade tape" upper pressure devices for the work pieces holding



Inserting system into the moulder obtained by means rollers driven by independent hydraulic motor



Working unit example



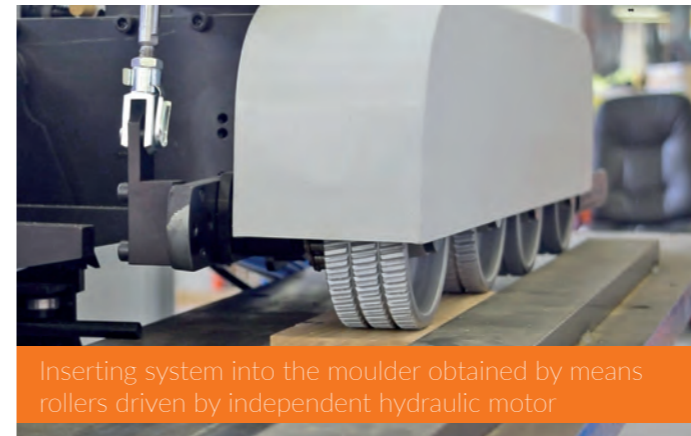
*moulder and periferic protection as reference only*



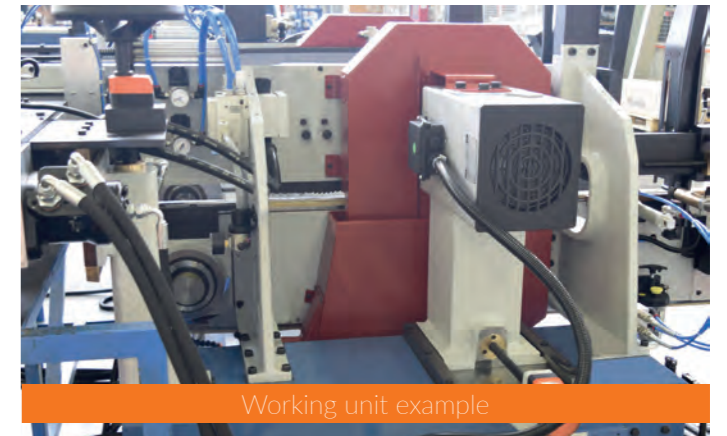
Work pieces vertical hopper-feeder



Feeding system



Inserting system into the moulder obtained by means rollers driven by independent hydraulic motor



Working unit example



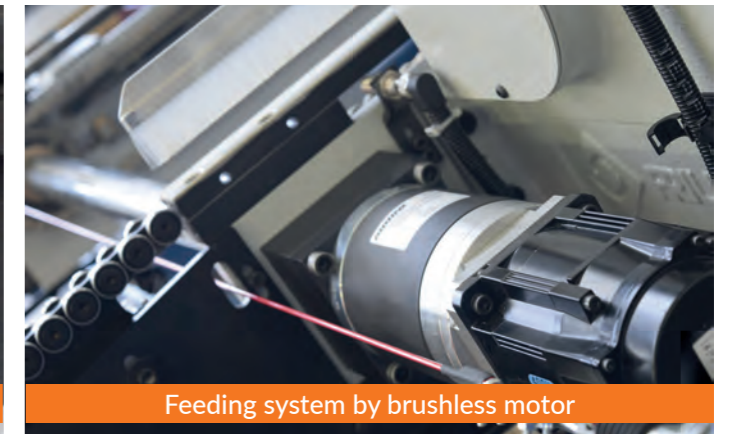
Vertical hopperfeeder



Return system to the operator



Antisplintering system

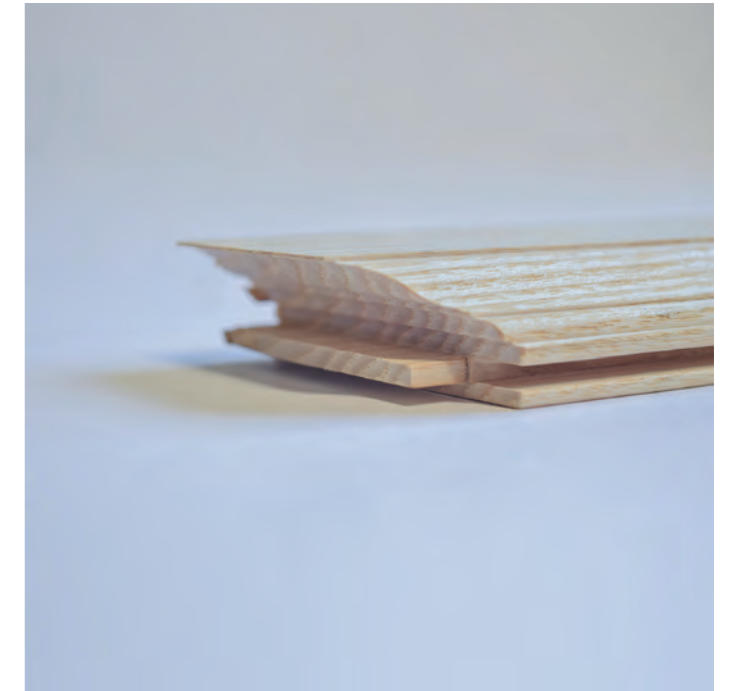


Feeding system by brushless motor

## RAILS END PROCESSING

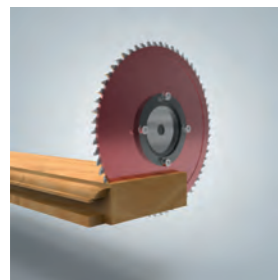


## RAILS AND STILES END PROCESSING



## WORKING UNITS

### UNIT 1



### UNIT 2



## WORKPIECES DIMENSIONS

	MIN	MAX	
LENGTH	90*	1500	mm
WIDTH	30	150	mm
THICKNESS	12	35	mm

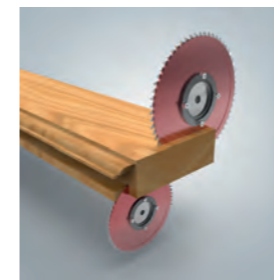
\*referred to the profiling depth

## PRODUCTION CAPACITY

from 10 to 14 pcs/min approx (depending of profiling type & depth)

## WORKING UNITS

### UNIT 1



### UNIT 2



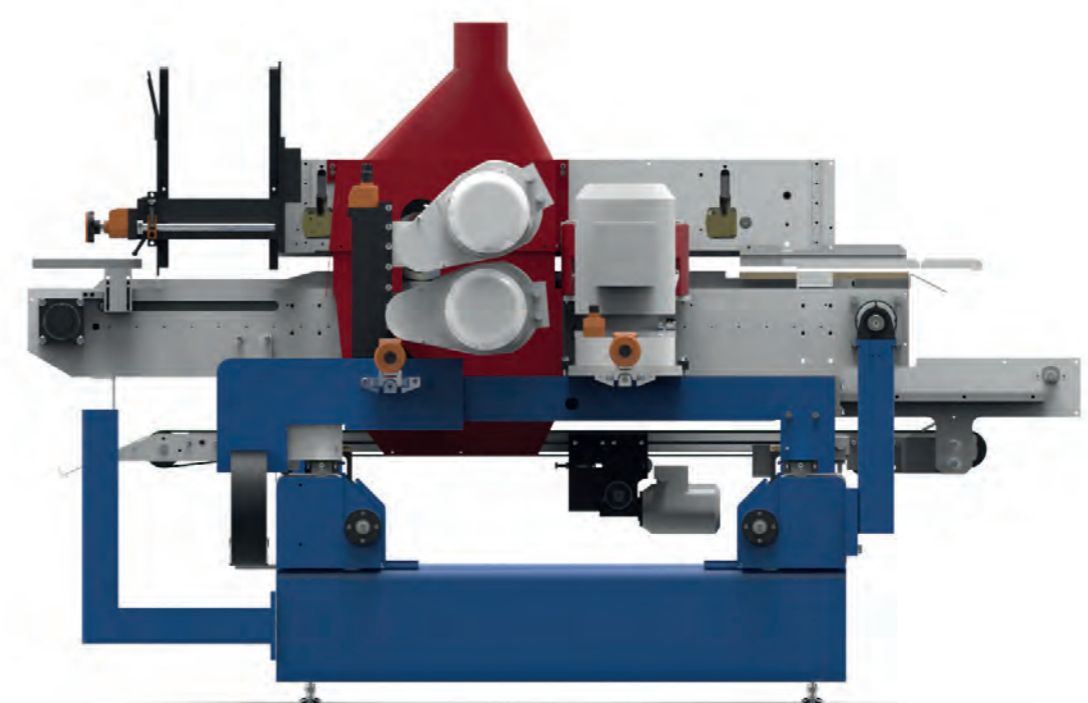
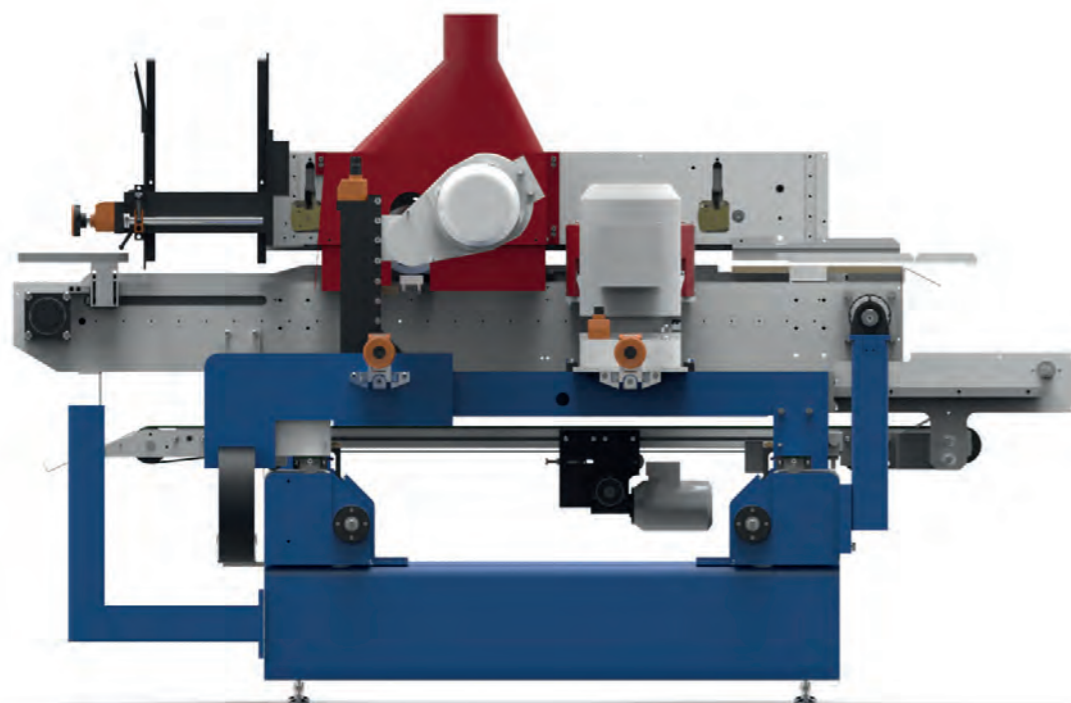
## WORKPIECES DIMENSIONS

	MIN	MAX	
LENGTH	90*	1500	mm
WIDTH	30	150	mm
THICKNESS	12	35	mm

\*referred to the profiling depth

## PRODUCTION CAPACITY

from 12 to 15 pcs/min approx (depending of profiling type & depth)



## RAILS AND STILES END PROCESSING



## RAILS AND STILES END PROCESSING



## WORKING UNITS



## WORKPIECES DIMENSIONS

	MIN	MAX	
LENGTH	90*	1500	mm
WIDTH	30	150	mm
THICKNESS	12	35	mm

\*referred to the profiling depth

## PRODUCTION CAPACITY

from 8 to 12 pcs/min approx (depending of profiling type & depth)

## WORKING UNITS



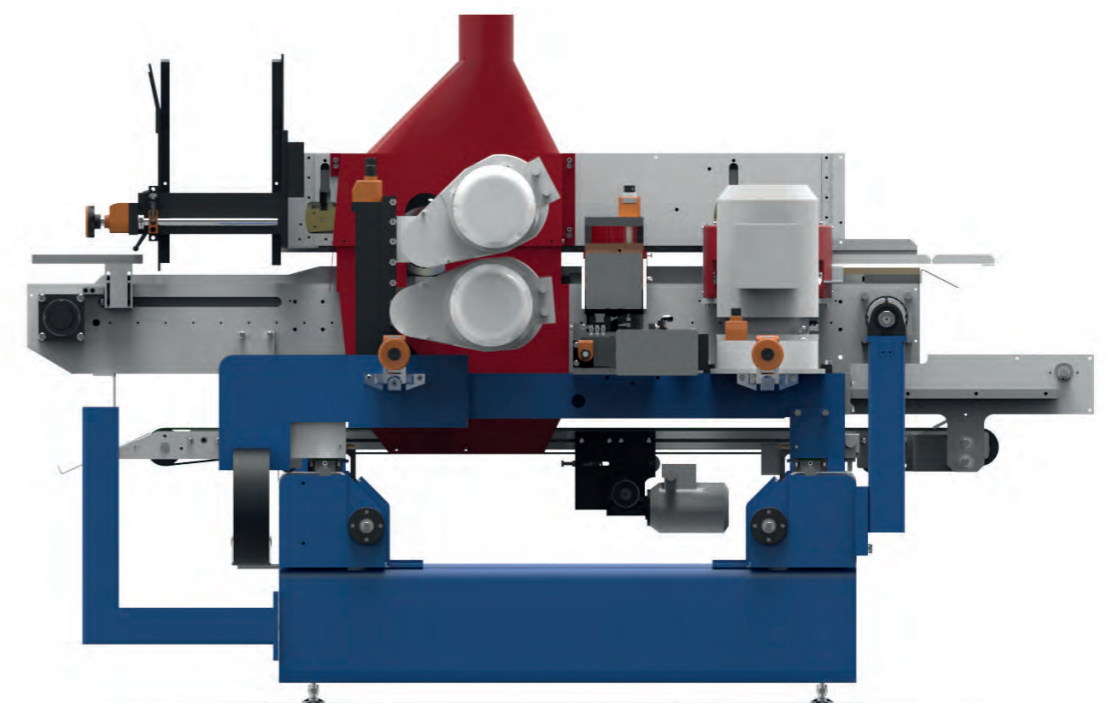
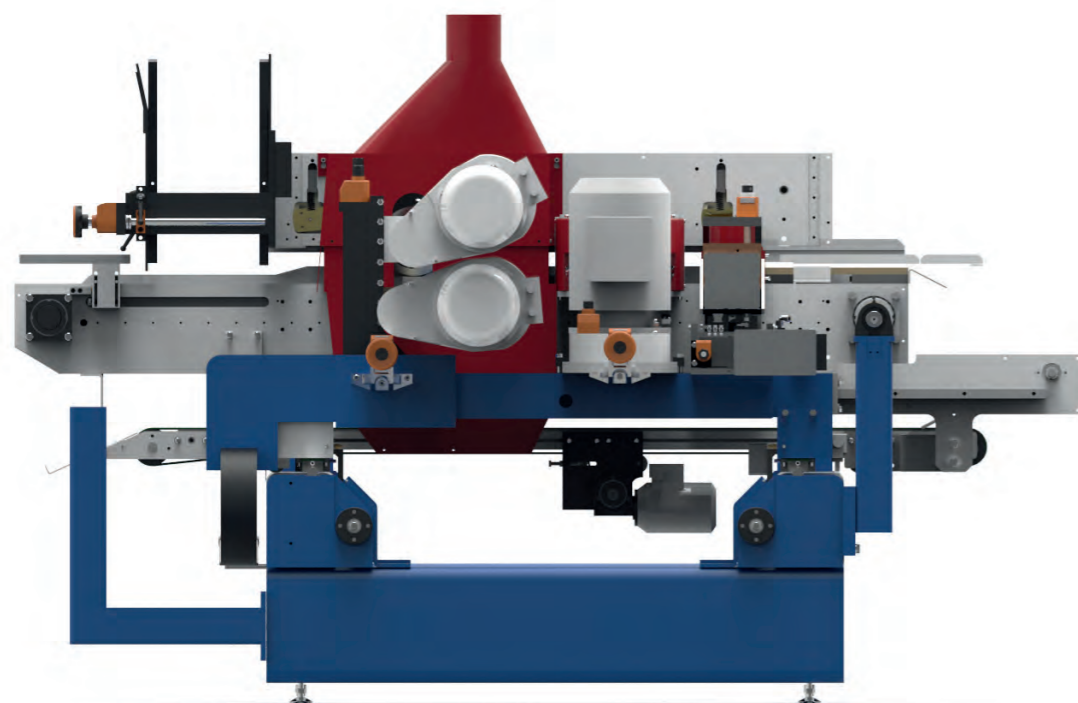
## WORKPIECES DIMENSIONS

	MIN	MAX	
LENGTH	90*	1500	mm
WIDTH	30	150	mm
THICKNESS	12	35	mm

\*referred to the profiling depth

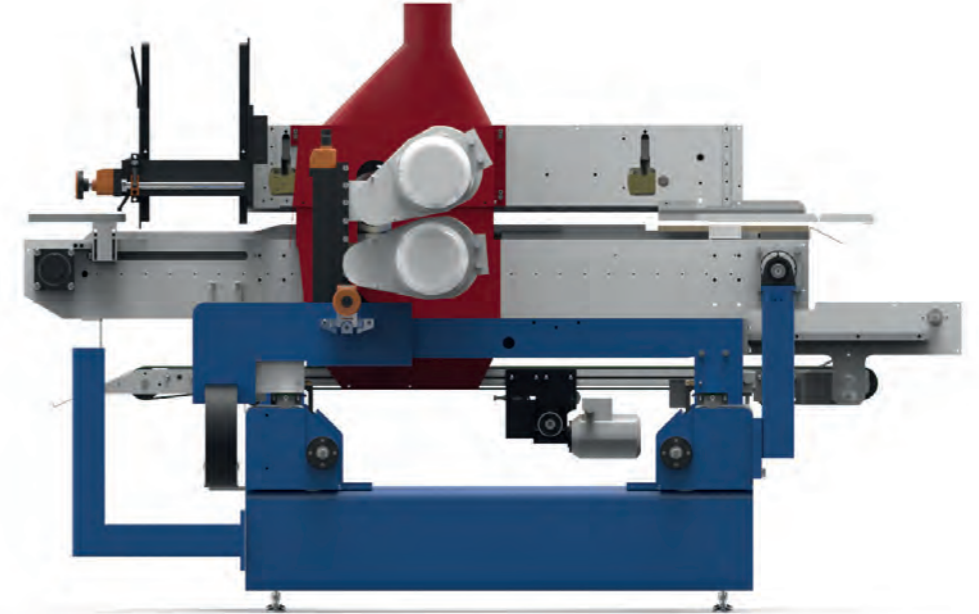
## PRODUCTION CAPACITY

from 10 to 14 pcs/min approx (depending of profiling type & depth)

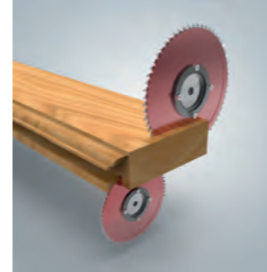


## STILES PROCESSING

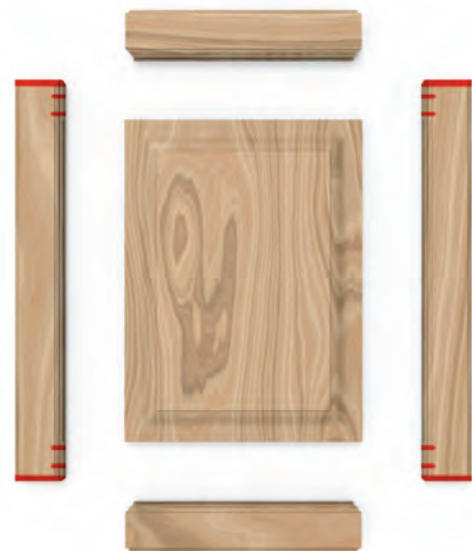
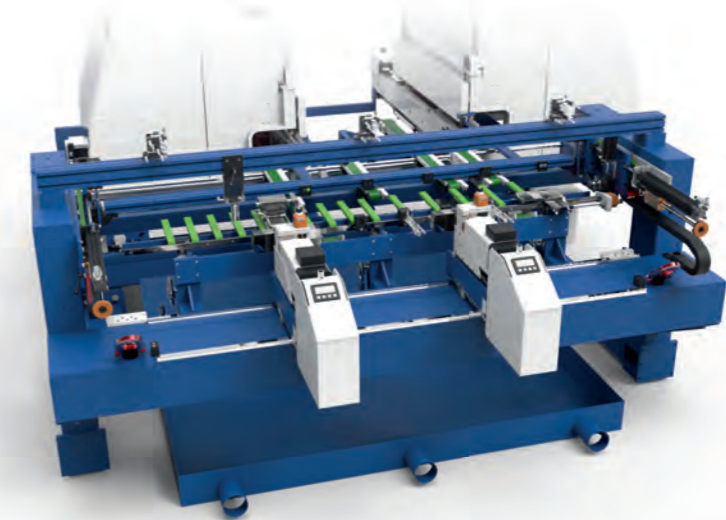
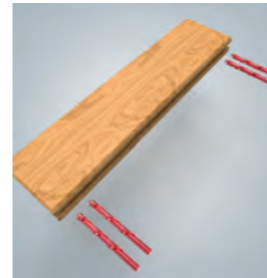
## WORKING UNITS



UNIT 1



UNIT 2



### WORKPIECES DIMENSIONS

	MIN	MAX	
LENGTH	250	1500	mm
WIDTH	30	150	mm
THICKNESS	12	35	mm

### PRODUCTION CAPACITY

UP TO 15pcs/min (depending of profiling type & depth)







KITCHEN CABINET DOORS SOLUTIONS

KITCHEN CABINET DOORS SOLUTIONS



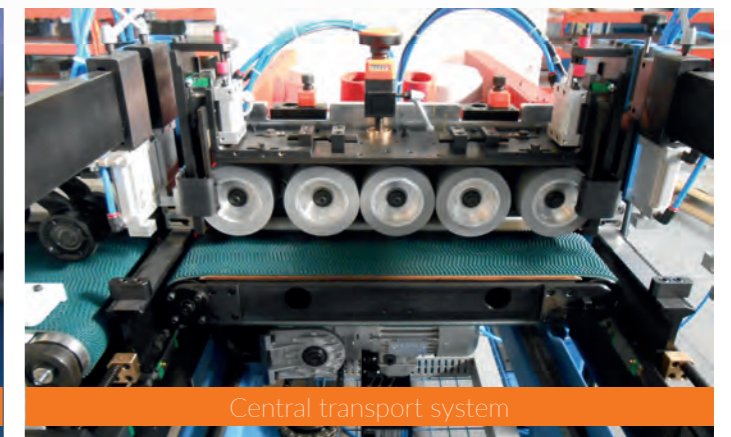
Touch-screen control panel



Quick anti-splintering blocks change system



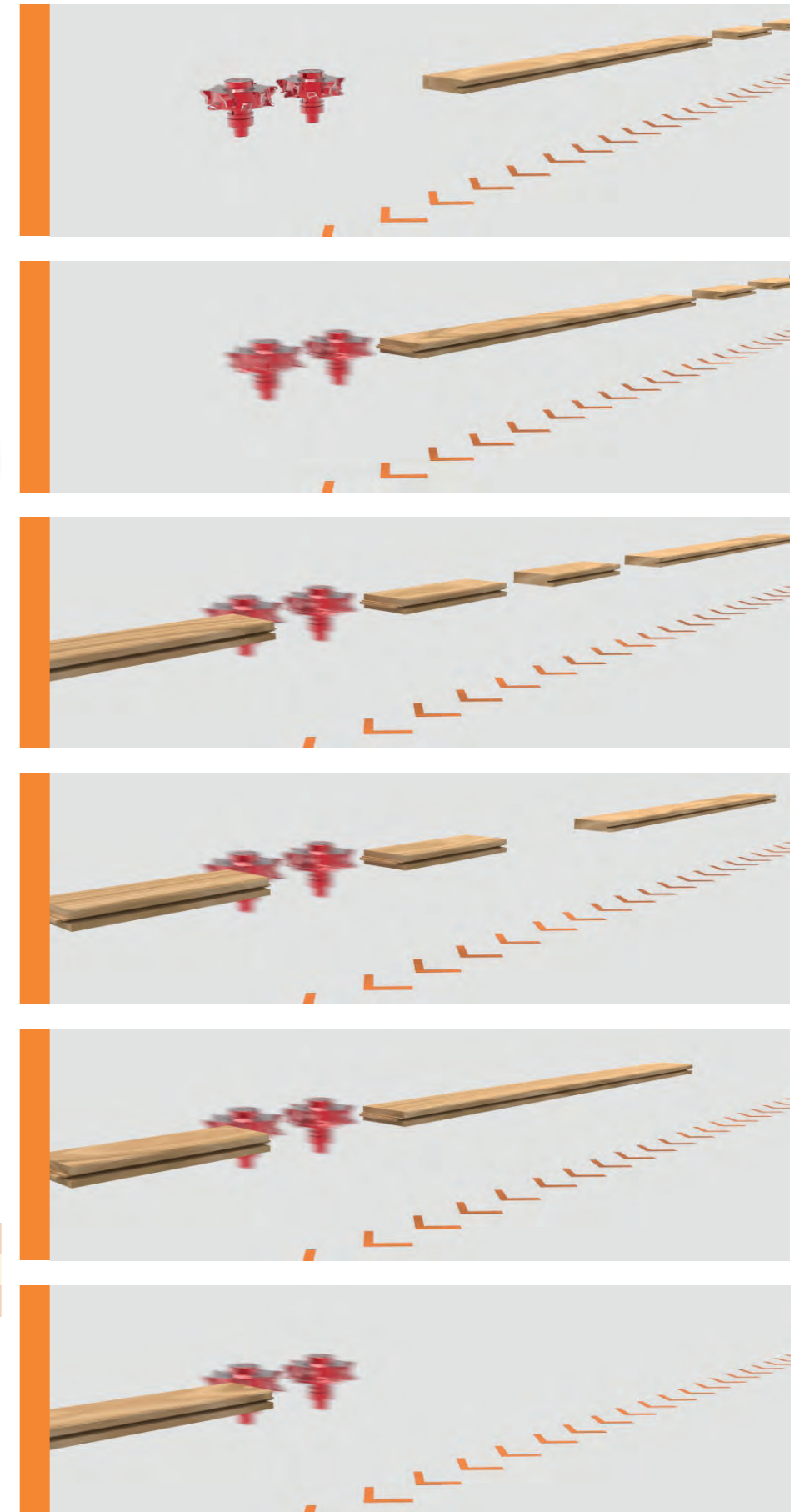
Manual quick tooling change system



Central transport system



## WORKFLOW EXAMPLE



## WORKING UNITS



## WORKPIECES DIMENSIONS

	MIN	MAX	
LENGTH	160 <sup>**</sup>	1500	mm
WIDTH	30	150	mm
THICKNESS	10	30	mm

<sup>\*</sup>referred to the profiling depth  
<sup>\*\*</sup>90mm inside profile as option, with manual workpiece transport

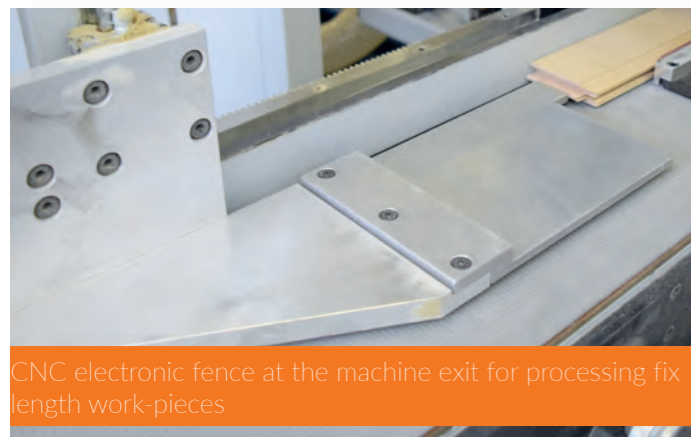
## PRODUCTION CAPACITY

up to 10 pcs/min approx (depending of profiling type & depth)

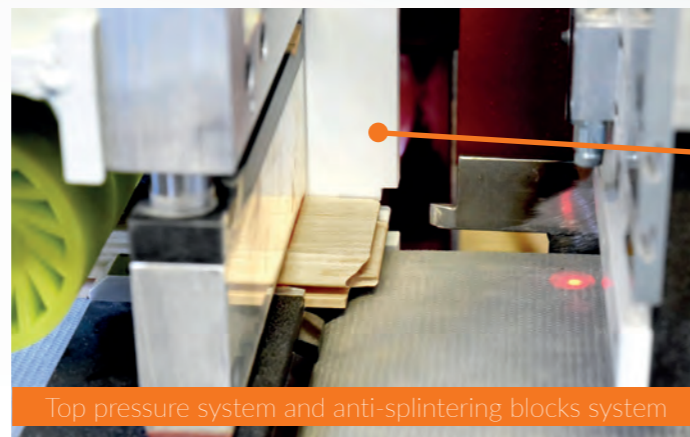


KITCHEN CABINET DOORS

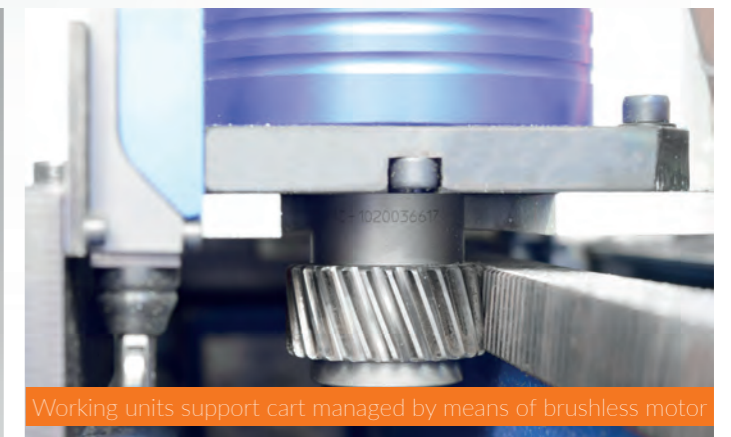
KITCHEN CABINET DOORS



CNC electronic fence at the machine exit for processing fix length work-pieces

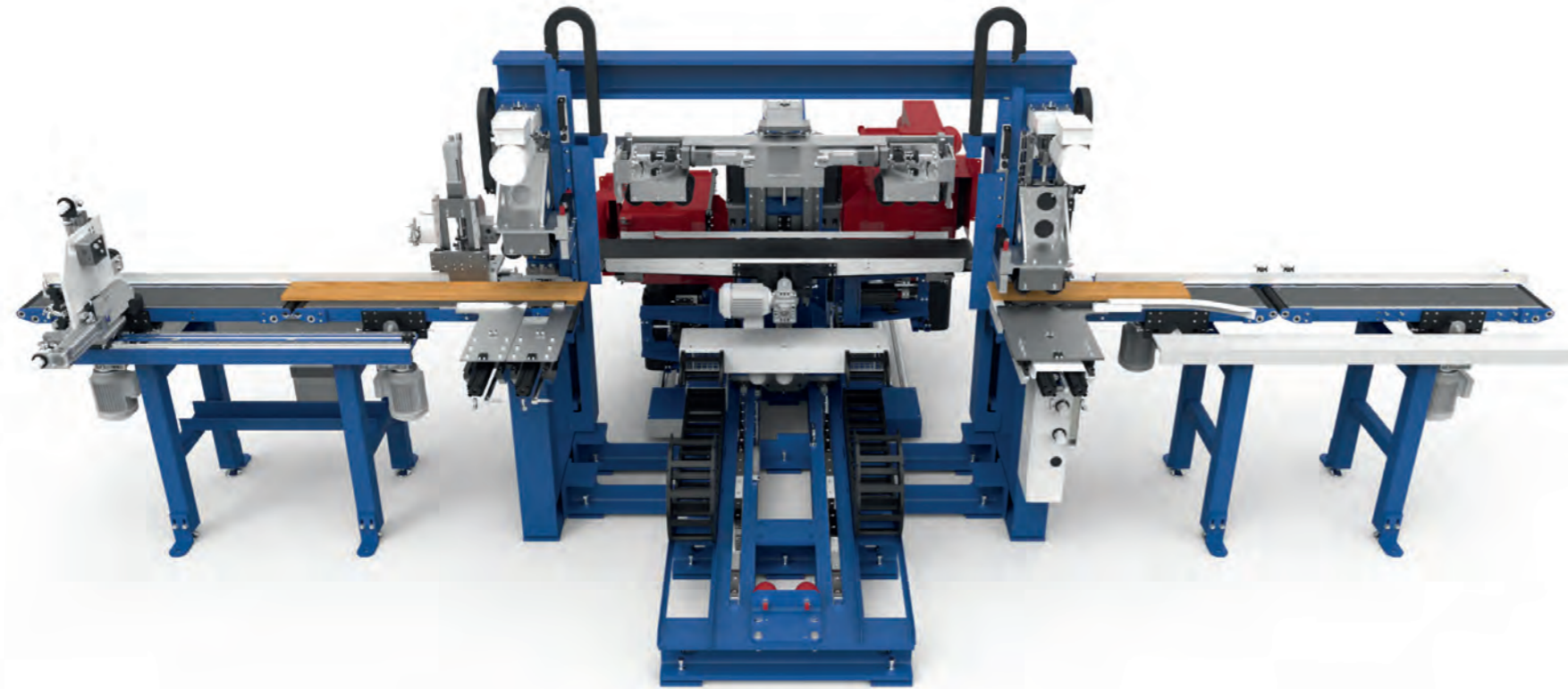
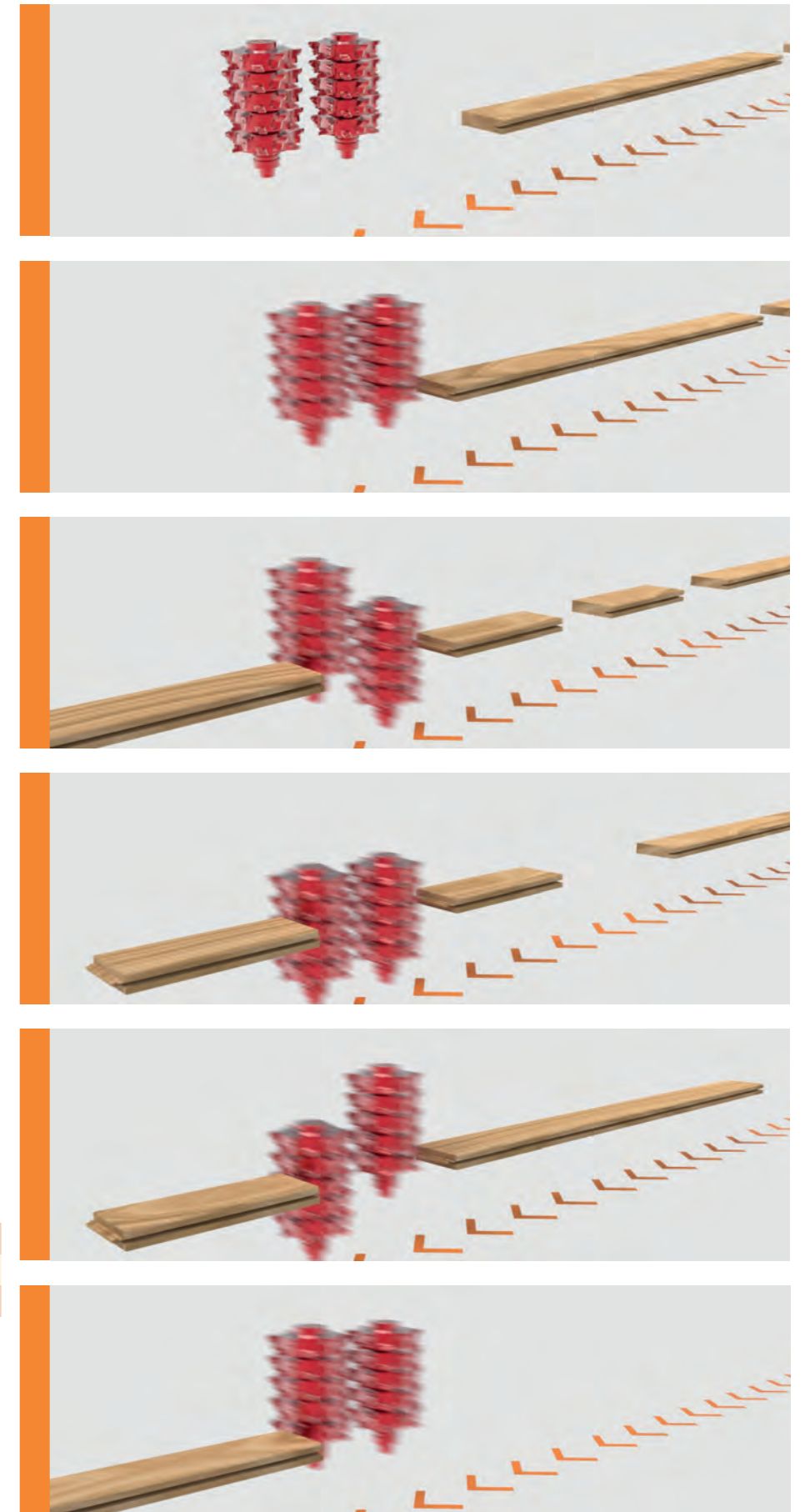


Top pressure system and anti-splintering blocks system



Working units support cart managed by means of brushless motor

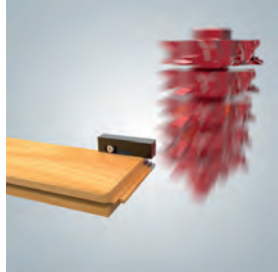
## WORKFLOW EXAMPLE



## WORKING UNITS

### SINGLE AXES

UNIT 1

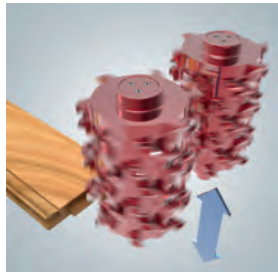


UNIT 2

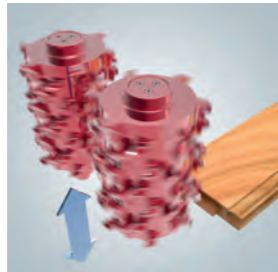


### DUAL AXES

UNIT 1



UNIT 2



## WORKPIECES DIMENSIONS

	MIN	MAX	
LENGTH	90°	1500	mm
WIDTH	30	150	mm
THICKNESS	12	35	mm

\*referred to the profiling depth

## PRODUCTION CAPACITY

up to 10 pcs/min approx (depending of profiling type & depth)



Vertical hopperfeeder



Return system to the operator

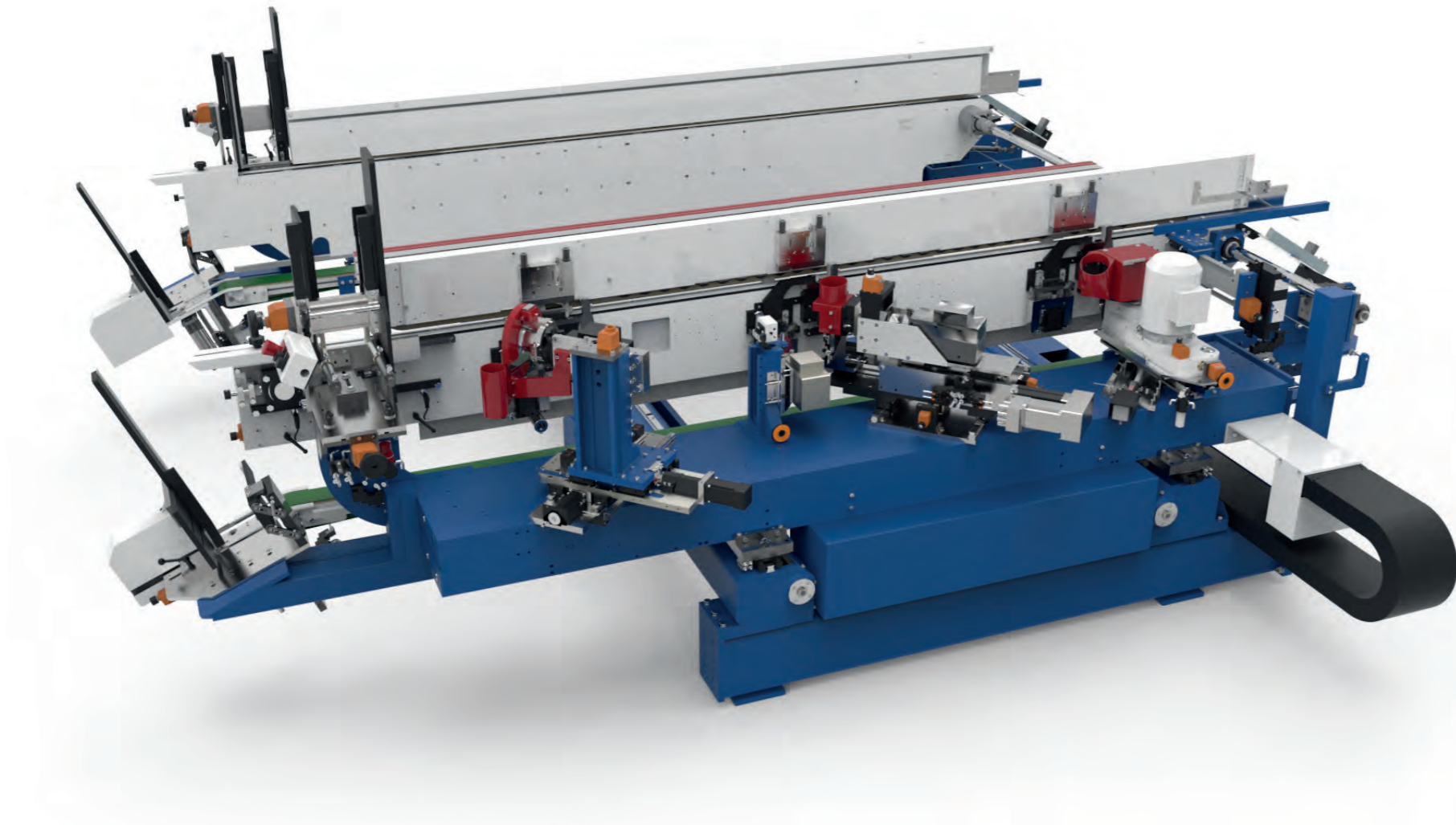


Clamping system

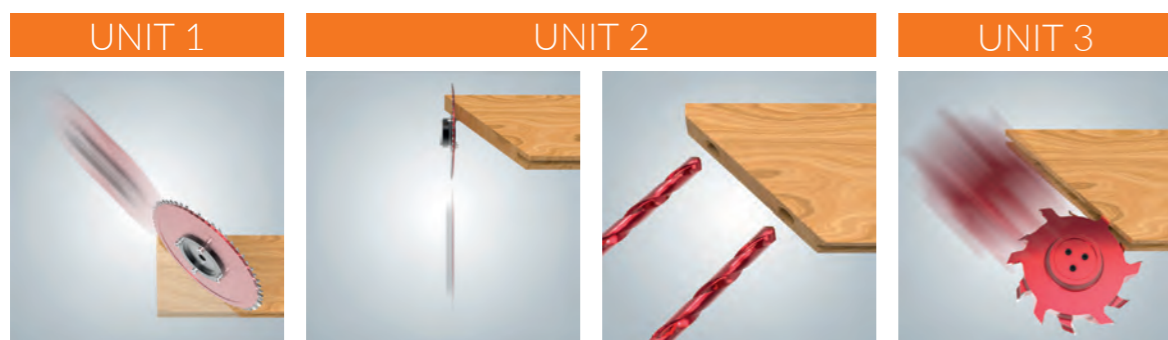


Heavy duty baseframe

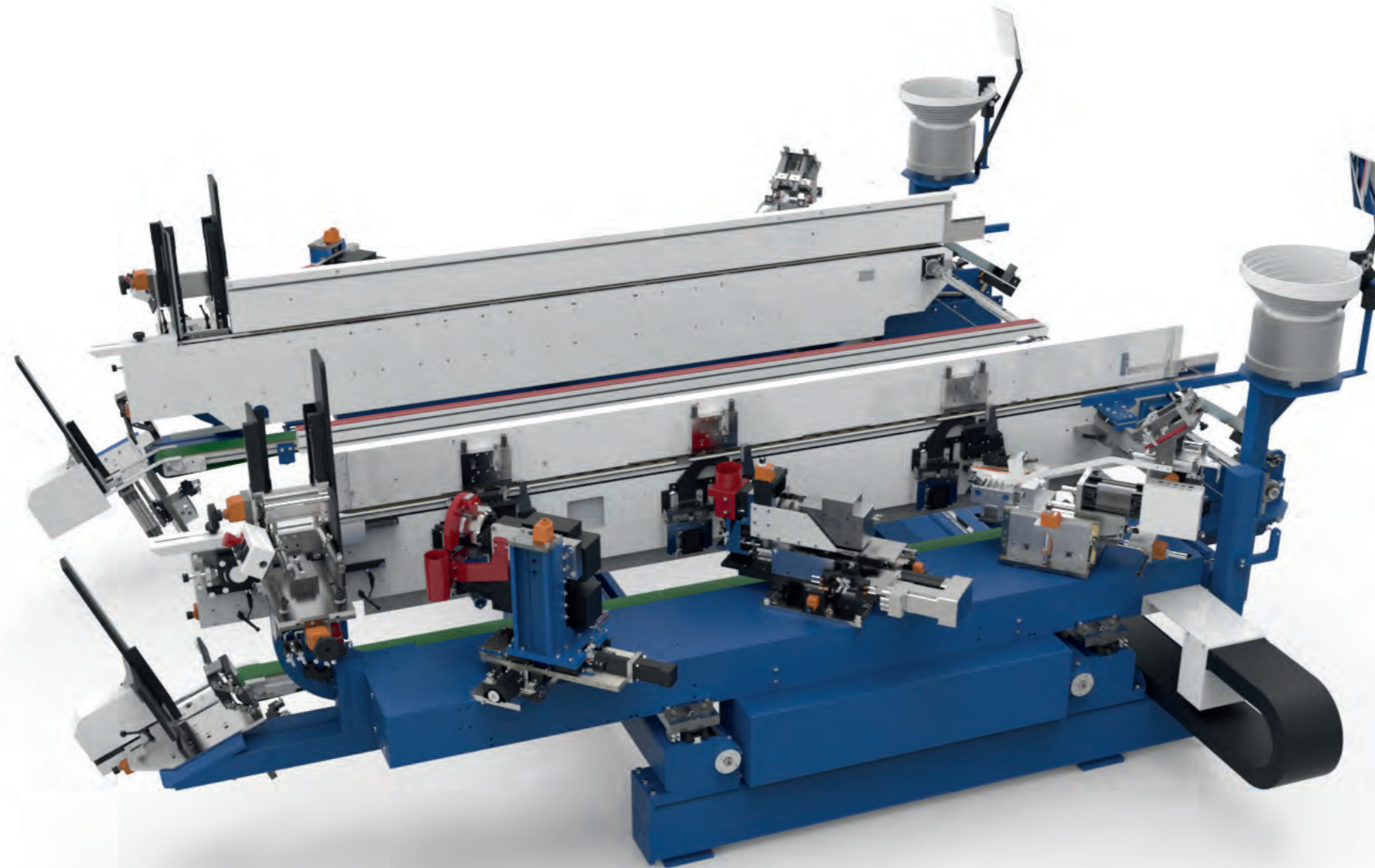
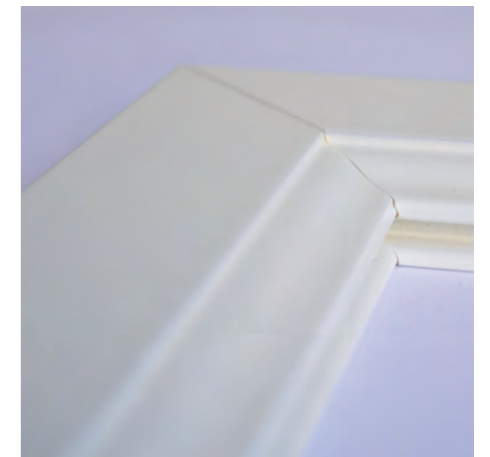
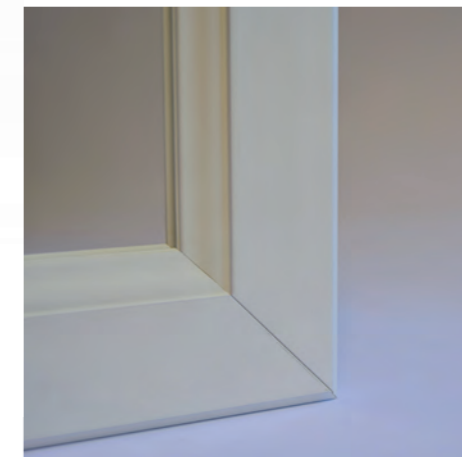
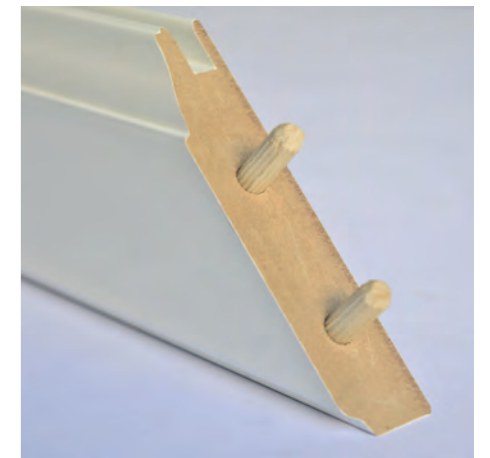
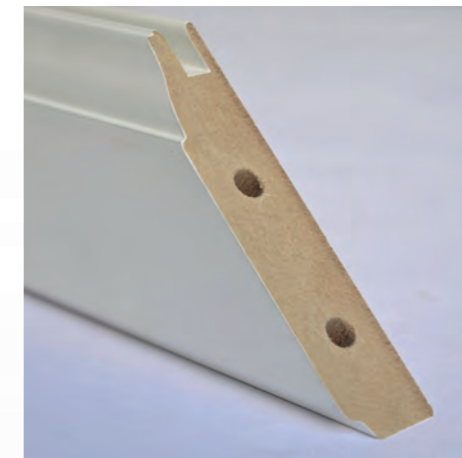
RAILS AND STILES 45° END PROCESSING



WORKING UNITS

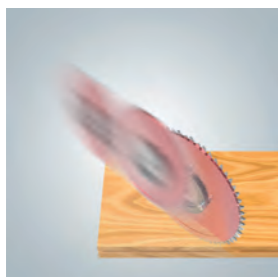


## HOW IT WORKS



## WORKING UNITS

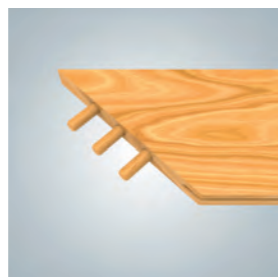
UNIT 1



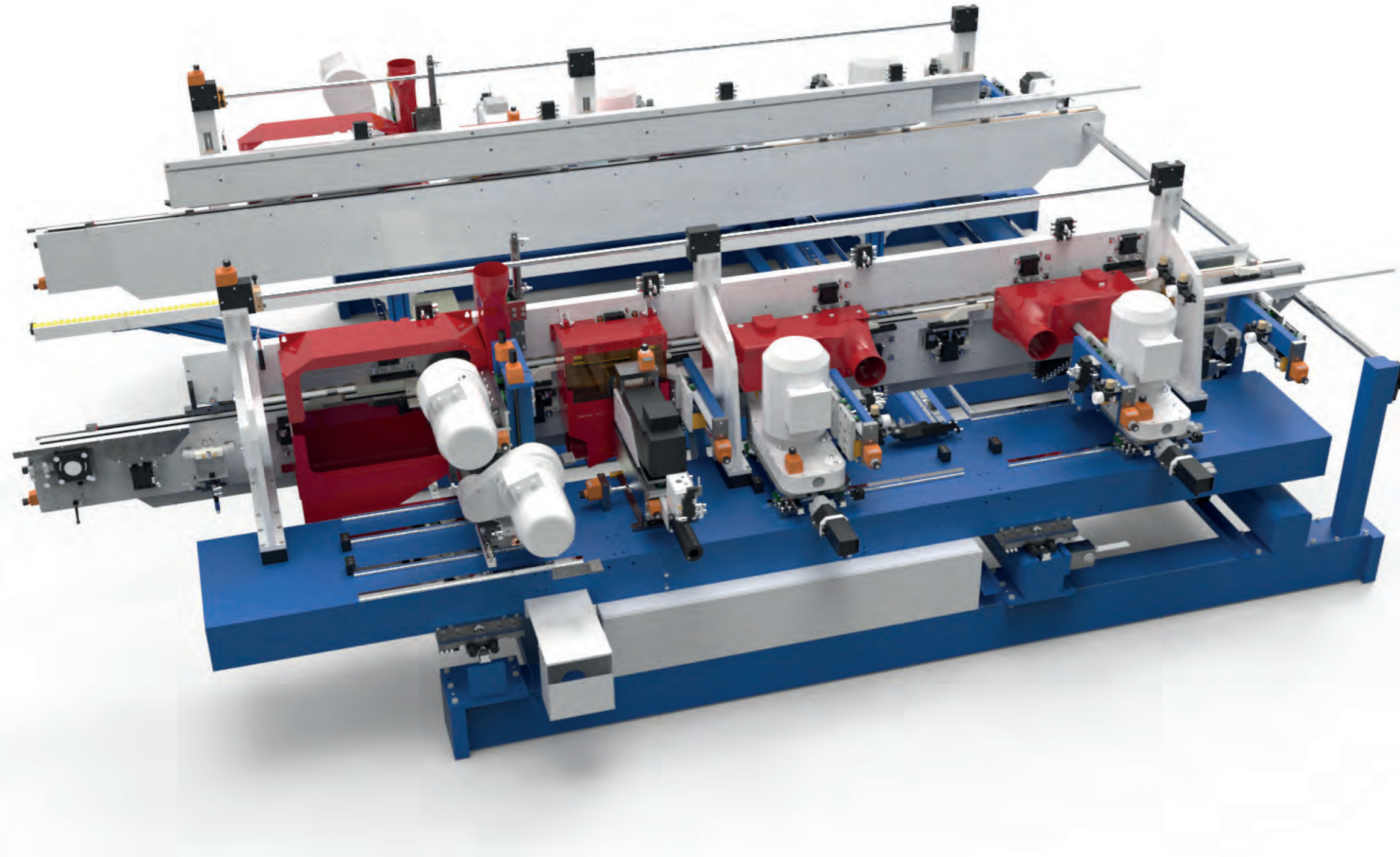
UNIT 2



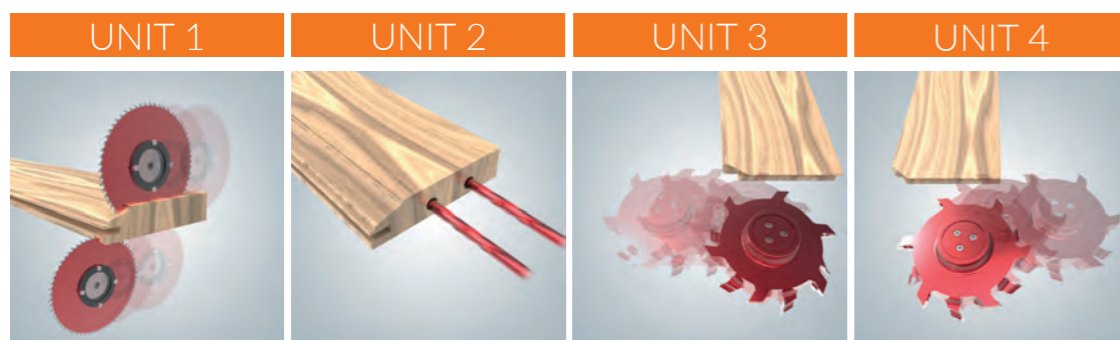
UNIT 3



## HOW IT WORKS

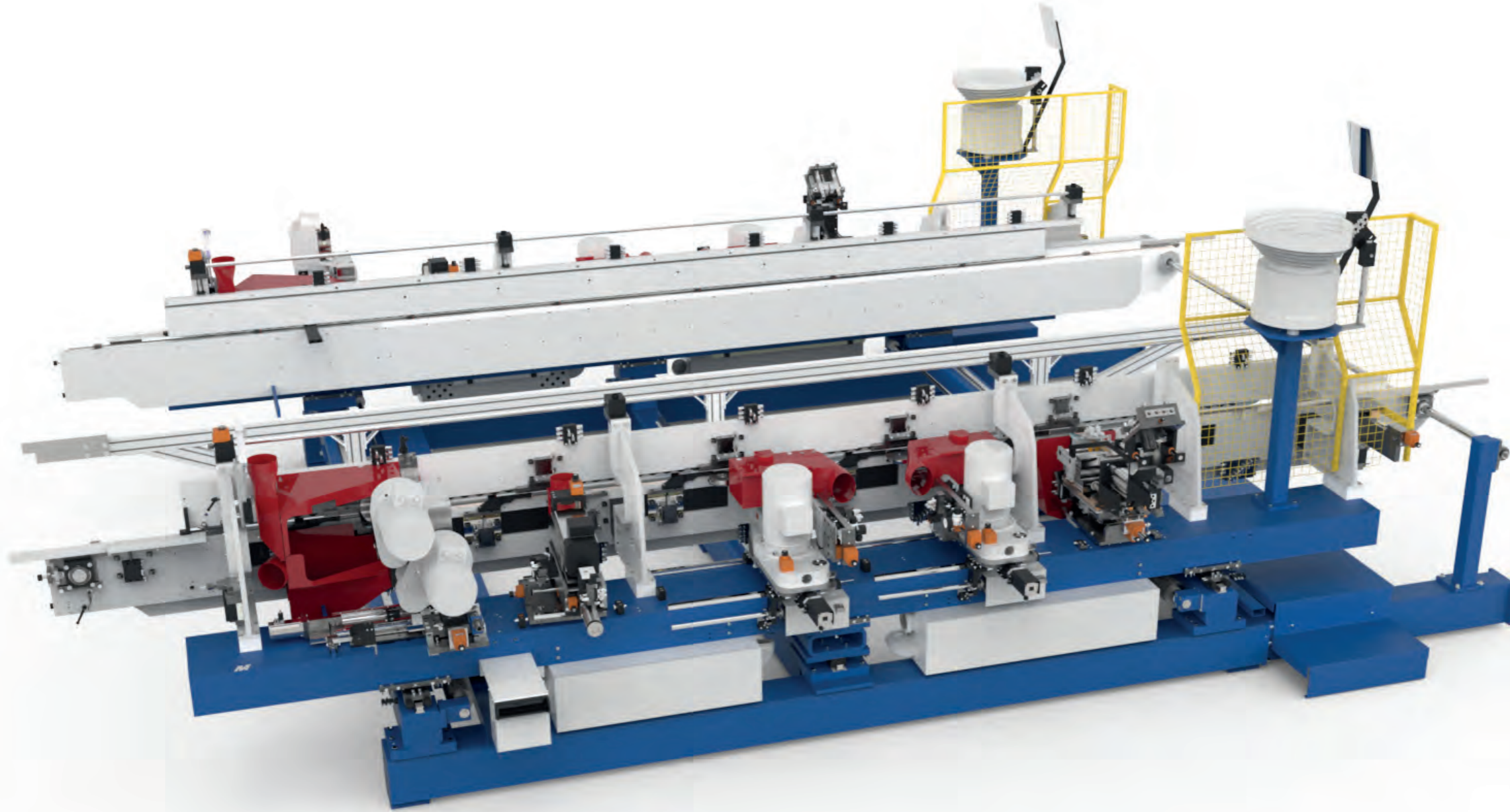


## WORKING UNITS





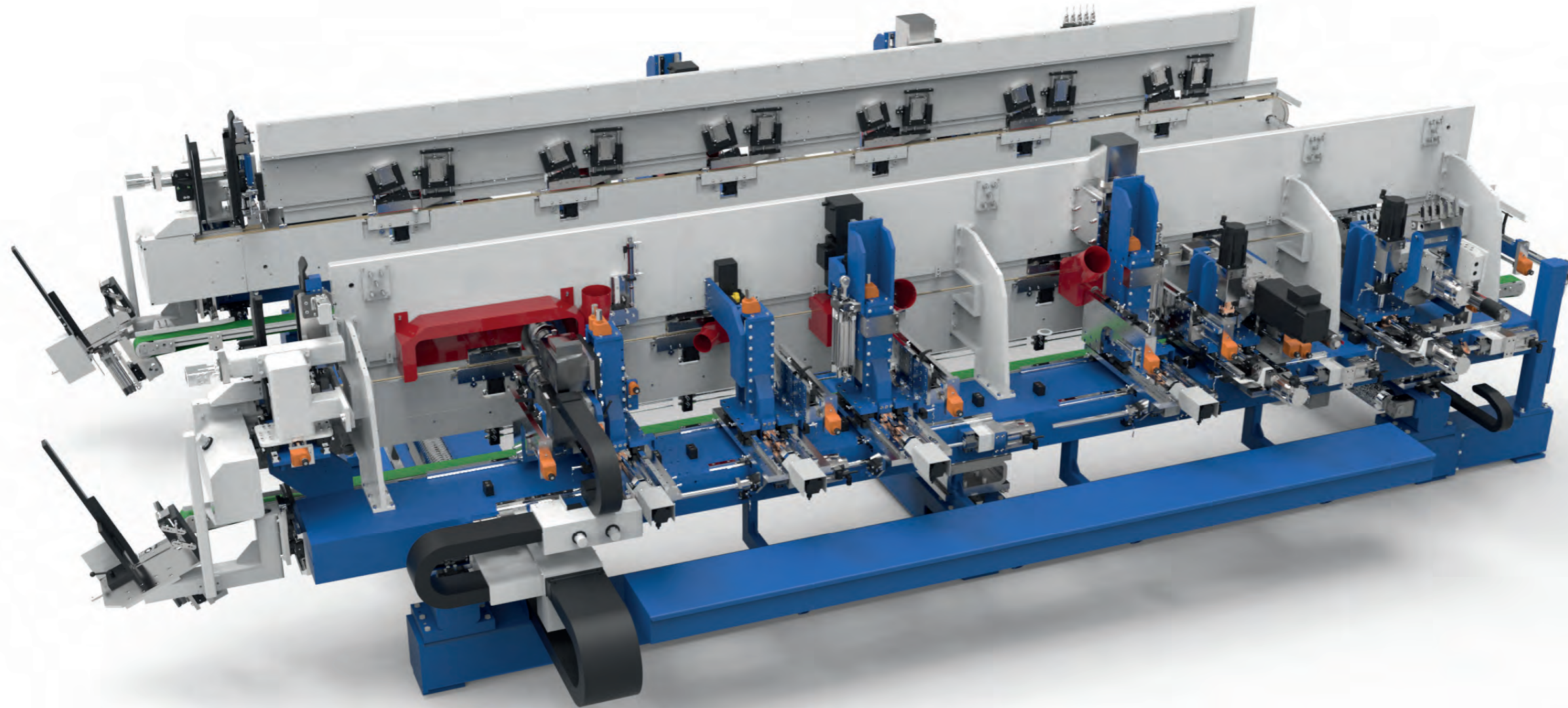
## HOW IT WORKS



## WORKING UNITS

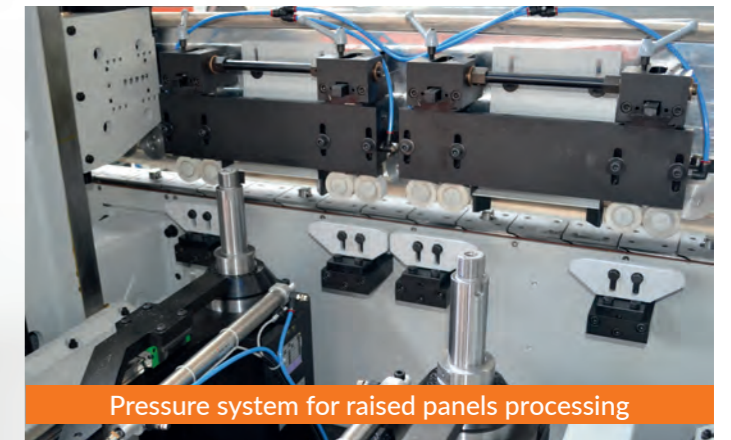


## HOW IT WORKS



## WORKING UNITS





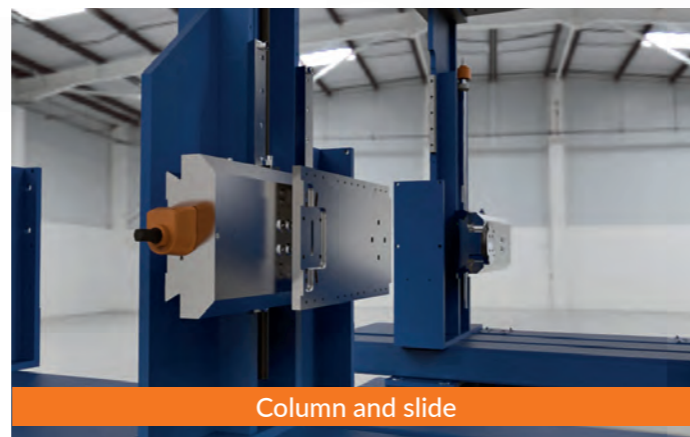
Pressure system for raised panels processing



Rolling feeding chain



Heavy duty baseframe



Column and slide



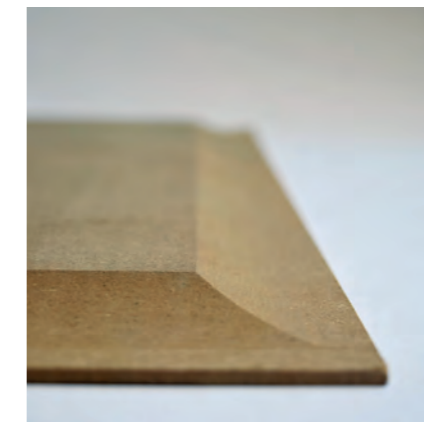
Top pressure system



Feeding chain

## KITCHEN CABINET DOORS & RAISED PANEL PROFILING

FLOW

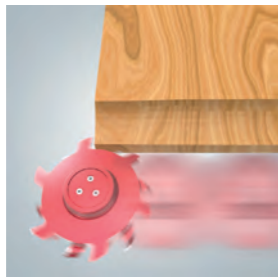


### WORKING UNITS

UNIT 1



UNIT 2



### WORKPIECES DIMENSIONS

ASSEMBLED DOOR

	MIN	MAX	
LENGTH	200*	1500	mm
WIDTH	200*	1500	mm
THICKNESS	10	35	mm

\*referred to the profiling depth

RAISED PANEL

	MIN	MAX	
LENGTH	110**	1500	mm
WIDTH	110**	1500	mm
THICKNESS	10	35	mm

\*\*see aside sketch

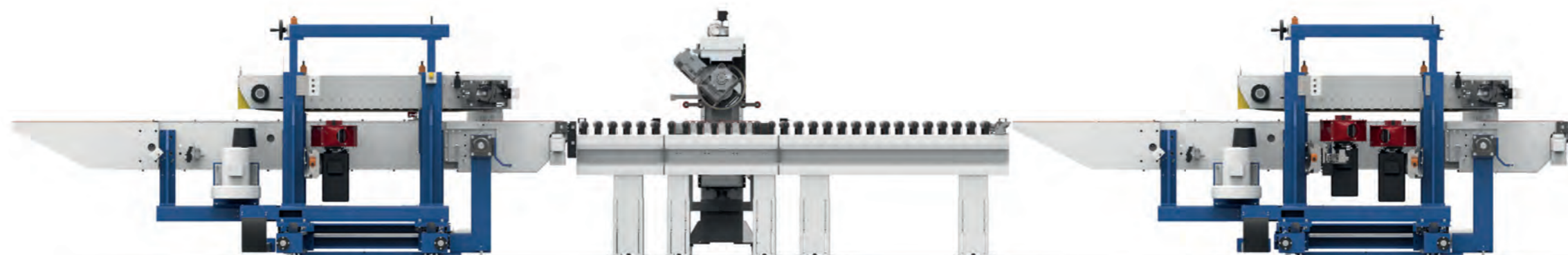


\*\* referred to the profiling depth

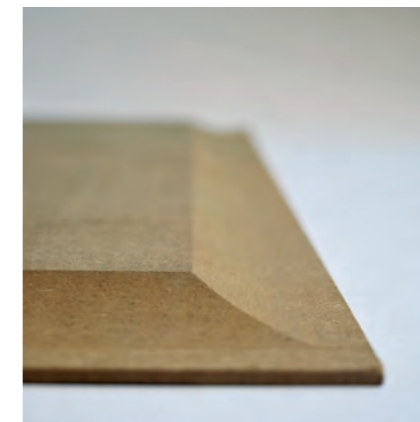
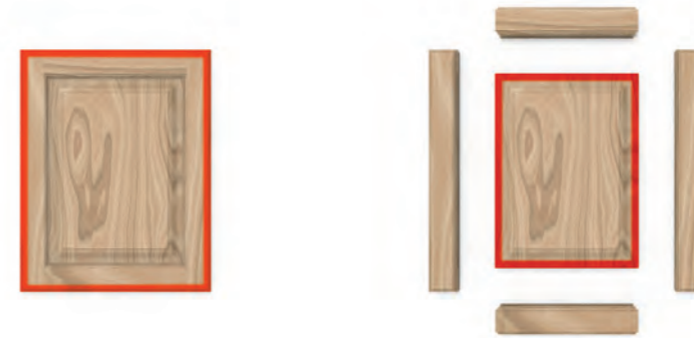
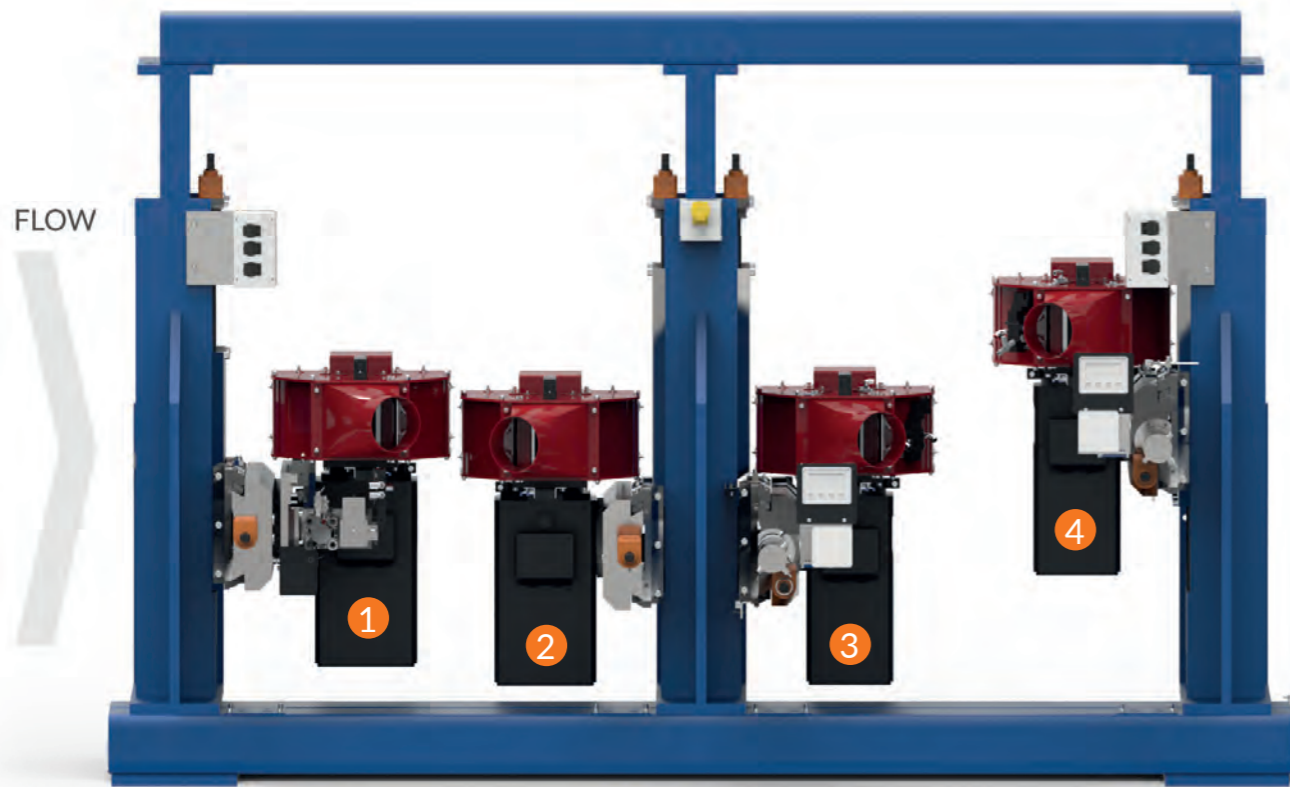
\*\*\* depending of tool diameter

### WORKING SPEED

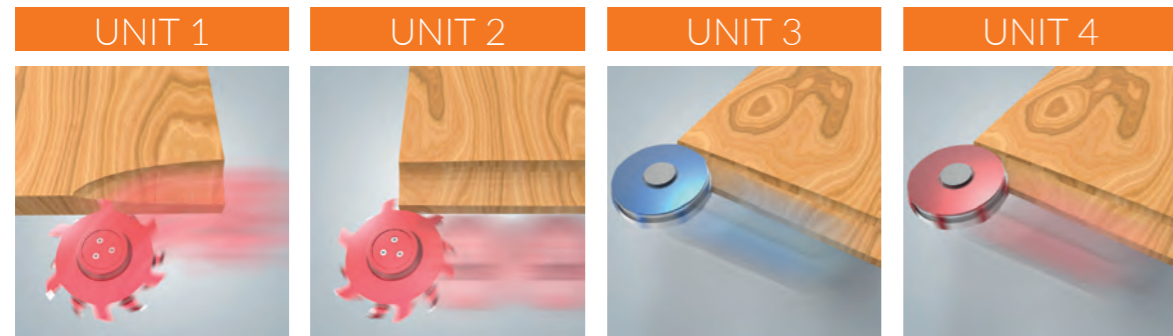
Average 12-18 mt/min (depending of profiling type, profiling depth, wood species and type of tools)



## KITCHEN CABINET DOORS & RAISED PANEL PROFILING AND SANDING



### WORKING UNITS



### WORKPIECES DIMENSIONS

#### ASSEMBLED DOOR

	MIN	MAX	
LENGTH	200*	1500	mm
WIDTH	200*	1500	mm
THICKNESS	10	35	mm

\*referred to the profiling depth

#### RAISED PANEL

	MIN	MAX	
LENGTH	110**	1500	mm
WIDTH	110**	1500	mm
THICKNESS	10	35	mm

\*\*see aside sketch

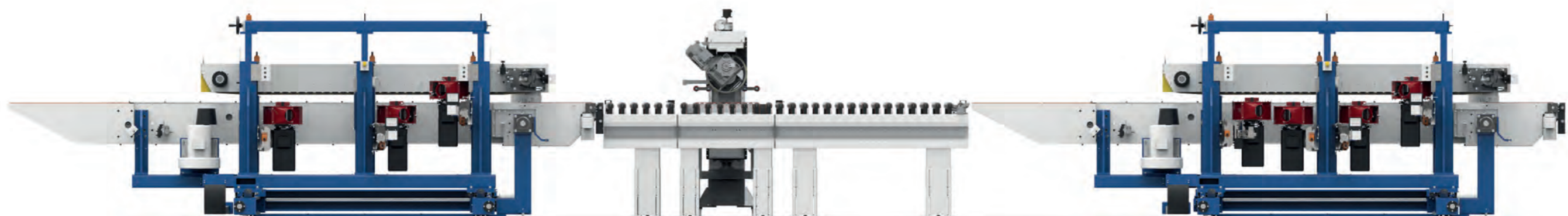


\*\* referred to the profiling depth

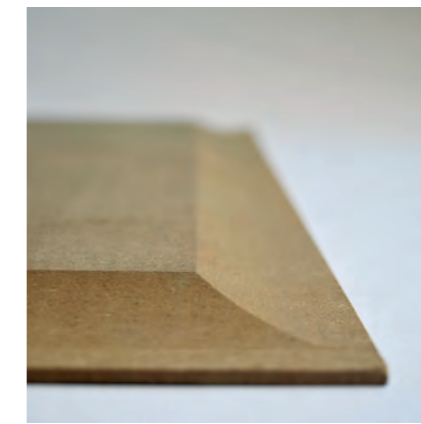
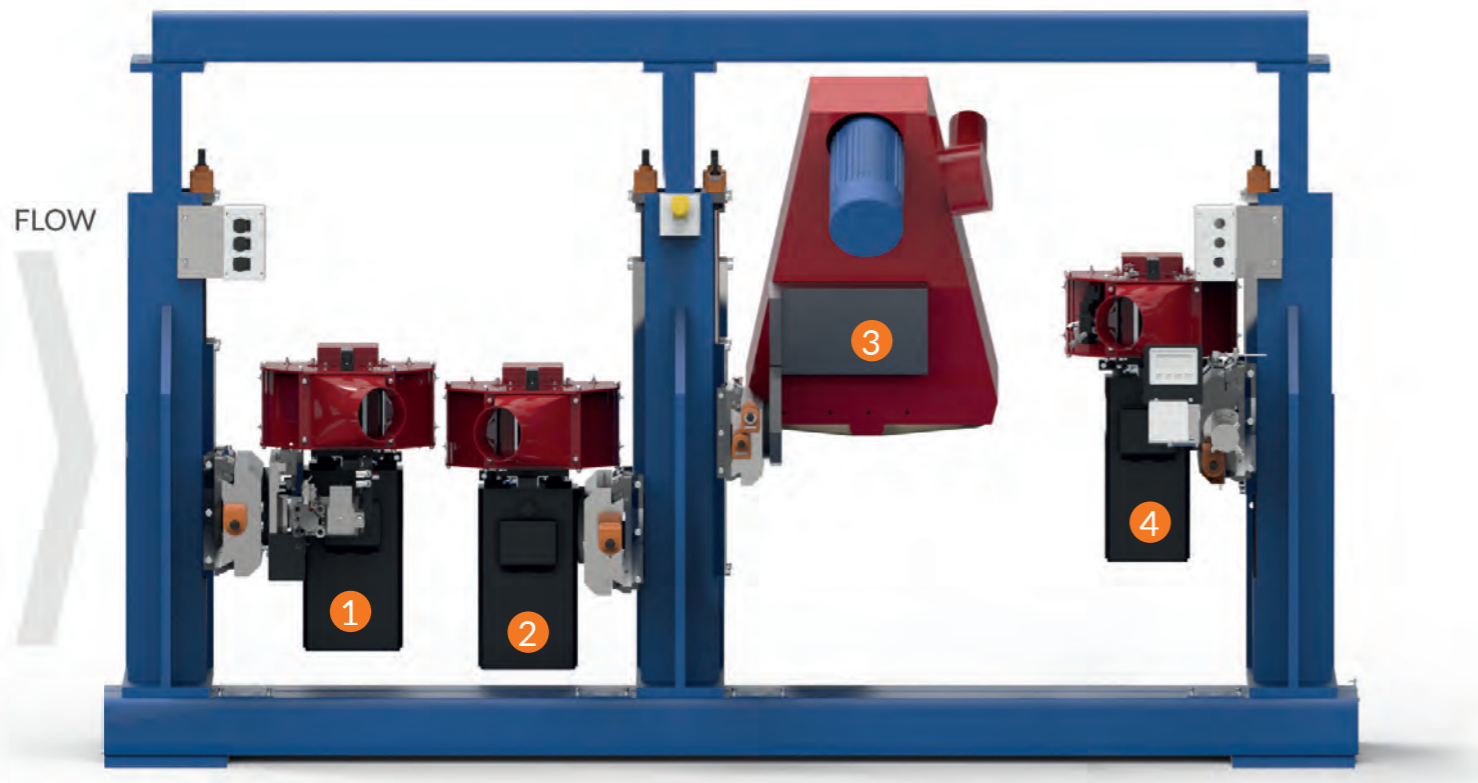
\*\*\* depending of tool diameter

### WORKING SPEED

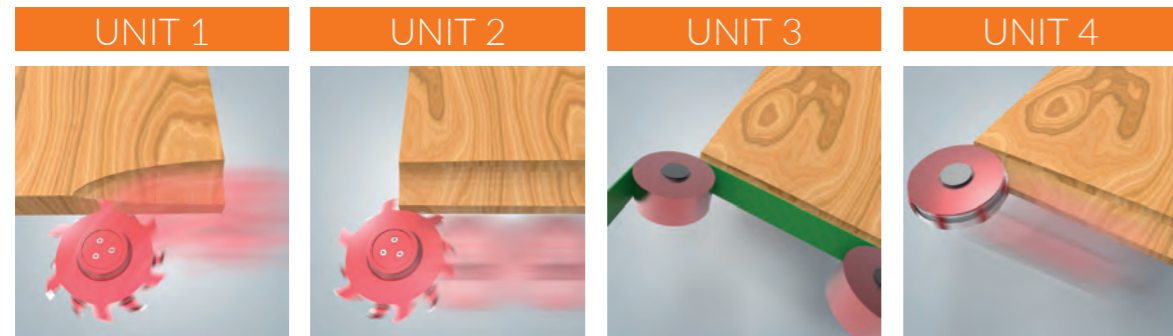
Average 12-18 mt/min (depending of profiling type, profiling depth, wood species and type of tools)



## KITCHEN CABINET DOORS & RAISED PANEL PROFILING AND SANDING



### WORKING UNITS



### WORKPIECES DIMENSIONS

ASSEMBLED DOOR			RAISED PANEL		
	MIN	MAX		MIN	MAX
LENGTH	200*	1500	LENGTH	110**	1500
WIDTH	200*	1500	WIDTH	110**	1500
THICKNESS	10	35	THICKNESS	10	35

\*referred to the profiling depth

\*\*see aside sketch

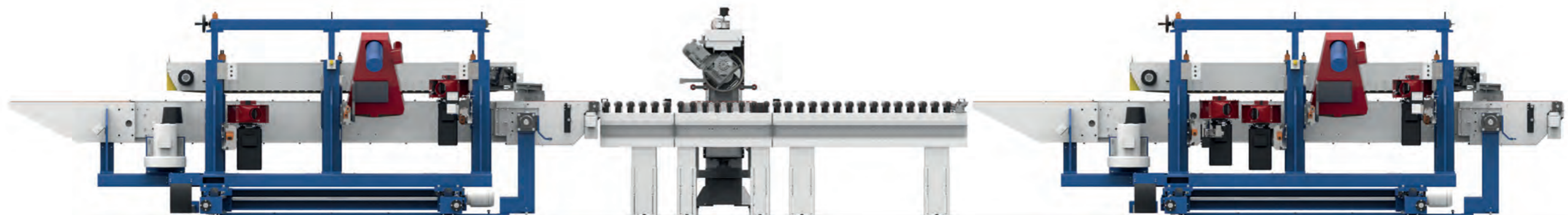


\*\* referred to the profiling depth

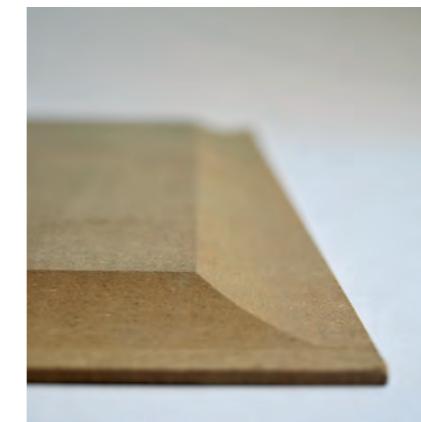
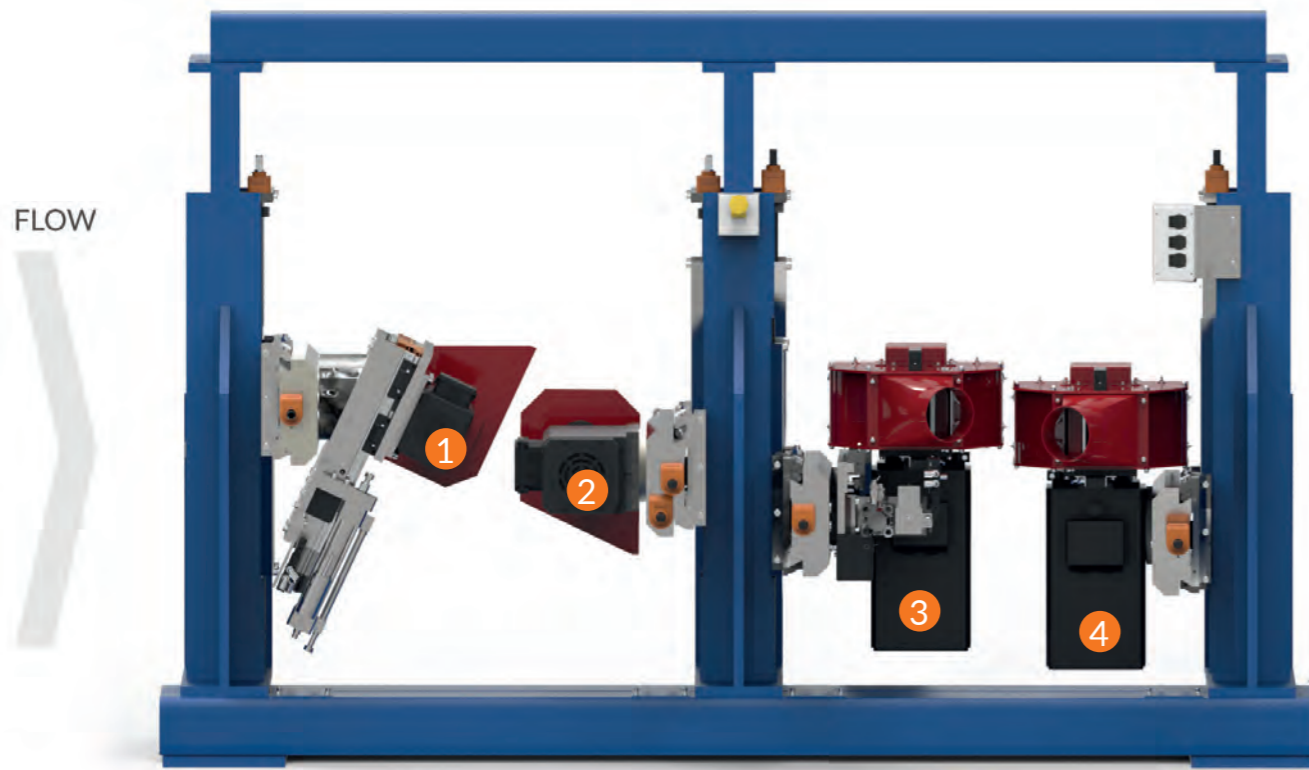
\*\*\* depending of tool diameter

### WORKING SPEED

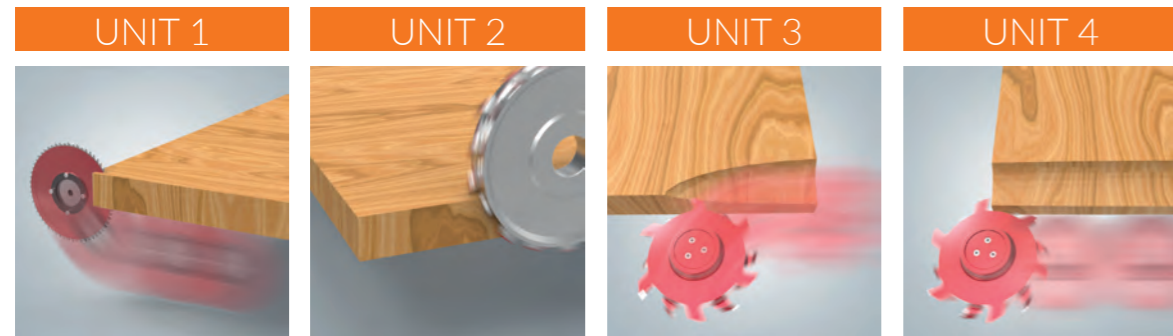
Average 12-18 mt/min (depending of profiling type, profiling depth, wood species and type of tools)



## KITCHEN CABINET DOORS & RAISED PANEL SQUARING AND PROFILING



### WORKING UNITS



### WORKPIECES DIMENSIONS

#### ASSEMBLED DOOR

	MIN	MAX	
LENGTH	200*	1500	mm
WIDTH	200*	1500	mm
THICKNESS	10	35	mm

\*referred to the profiling depth

#### RAISED PANEL

	MIN	MAX	
LENGTH	110**	1500	mm
WIDTH	110**	1500	mm
THICKNESS	10	35	mm

\*\*see aside sketch

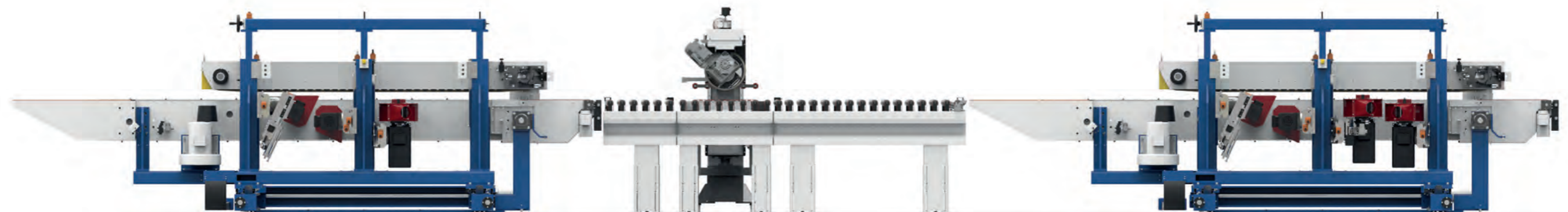


\*\* referred to the profiling depth

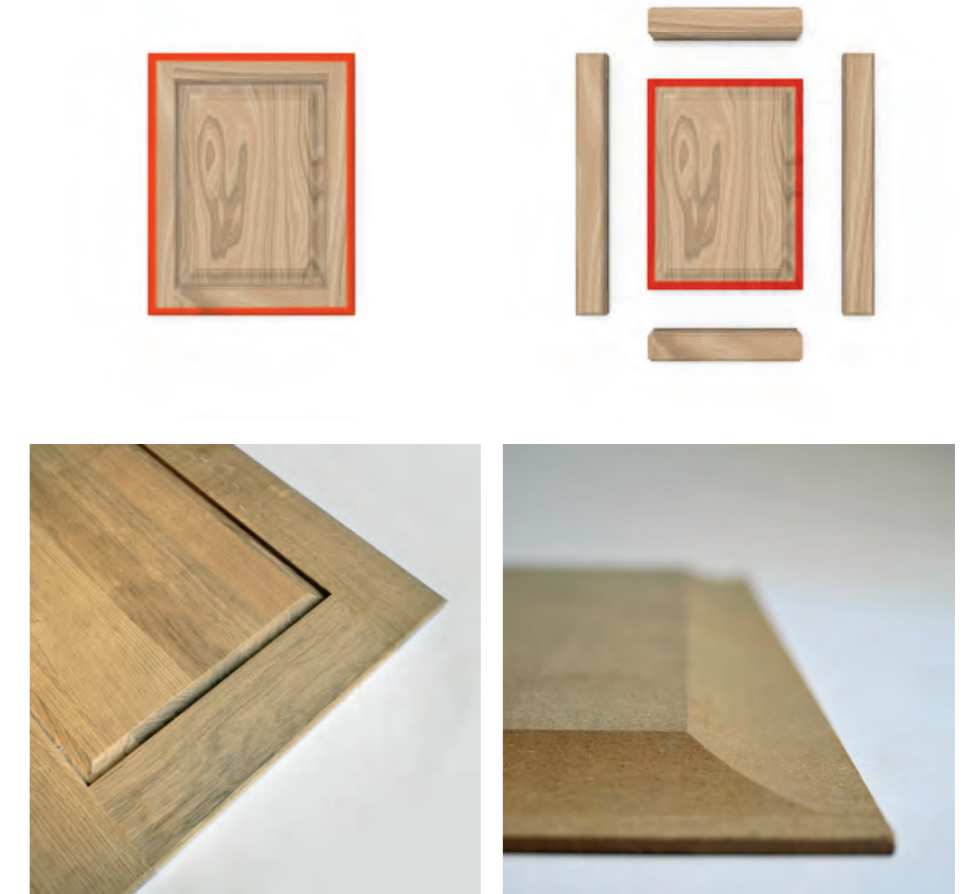
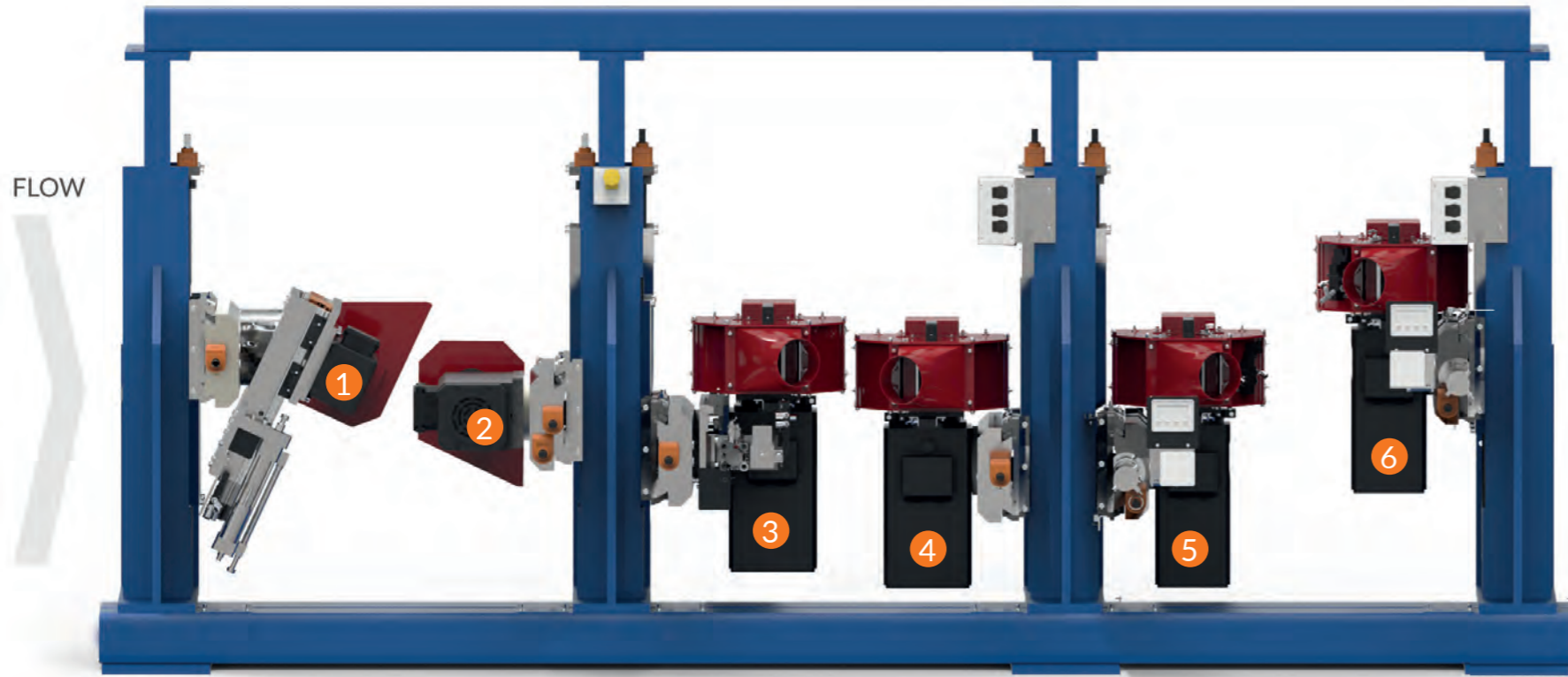
\*\*\* depending of tool diameter

### WORKING SPEED

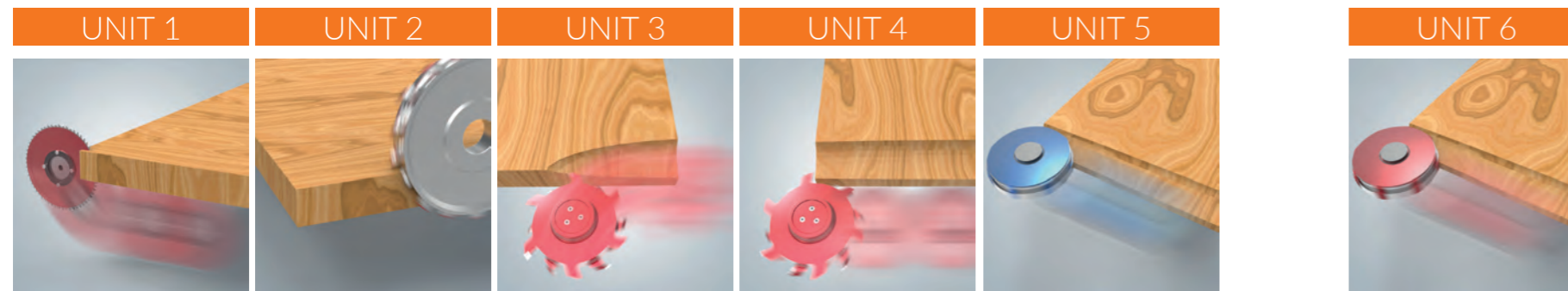
Average 12-18 mt/min (depending of profiling type, profiling depth, wood species and type of tools)



## KITCHEN CABINET DOORS & RAISED PANEL SQUARING, PROFILING & SANDING



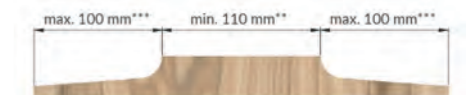
### WORKING UNITS



### WORKPIECES DIMENSIONS

ASSEMBLED DOOR				RAISED PANEL				
	MIN	MAX		MIN	MAX		MIN	MAX
LENGTH	200*	1500 mm	LENGTH	110**	1500 mm			
WIDTH	200*	1500 mm	WIDTH	110**	1500 mm			
THICKNESS	10	35 mm	THICKNESS	10	35 mm			

\*referred to the profiling depth



\*\* referred to the profiling depth

\*\*\* depending of tool diameter

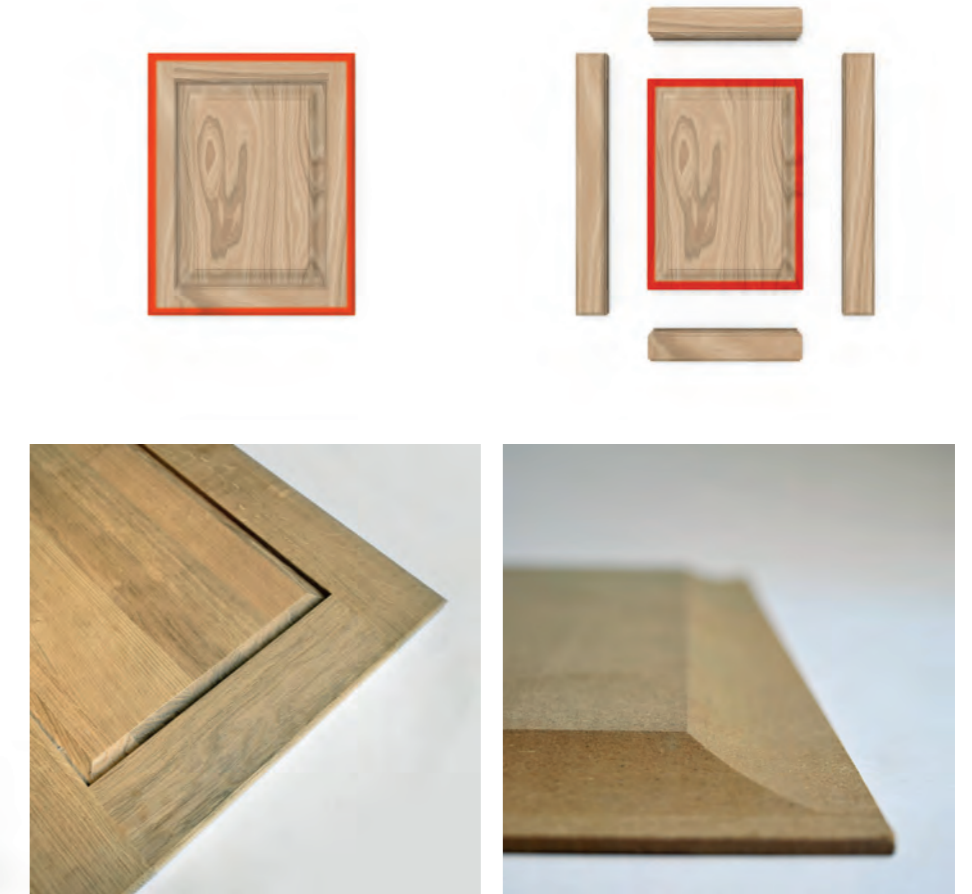
### WORKING SPEED

Average 12-18 mt/min (depending of profiling type, profiling depth, wood species and type of tools)





## KITCHEN CABINET DOORS & RAISED PANEL SQUARING, PROFILING & SANDING



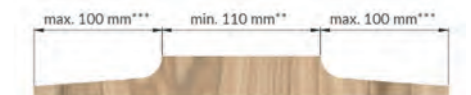
### WORKING UNITS



### WORKPIECES DIMENSIONS

ASSEMBLED DOOR				RAISED PANEL					
	MIN	MAX		MIN	MAX		MIN	MAX	
LENGTH	200*	1500	mm	LENGTH	110**	1500	mm		
WIDTH	200*	1500	mm	WIDTH	110**	1500	mm		
THICKNESS	10	35	mm	THICKNESS	10	35	mm		

\*referred to the profiling depth



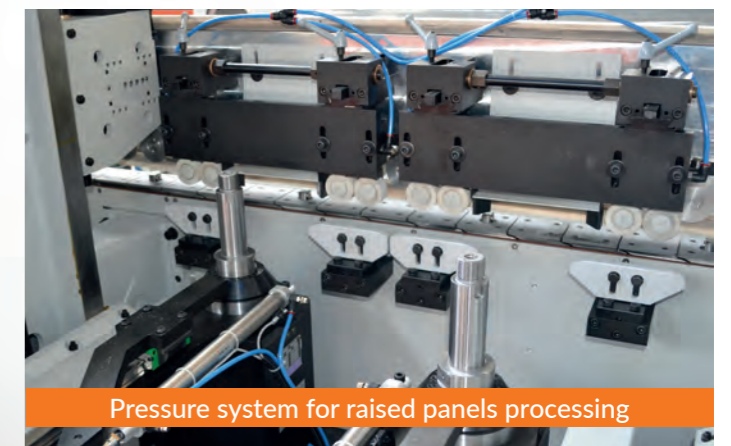
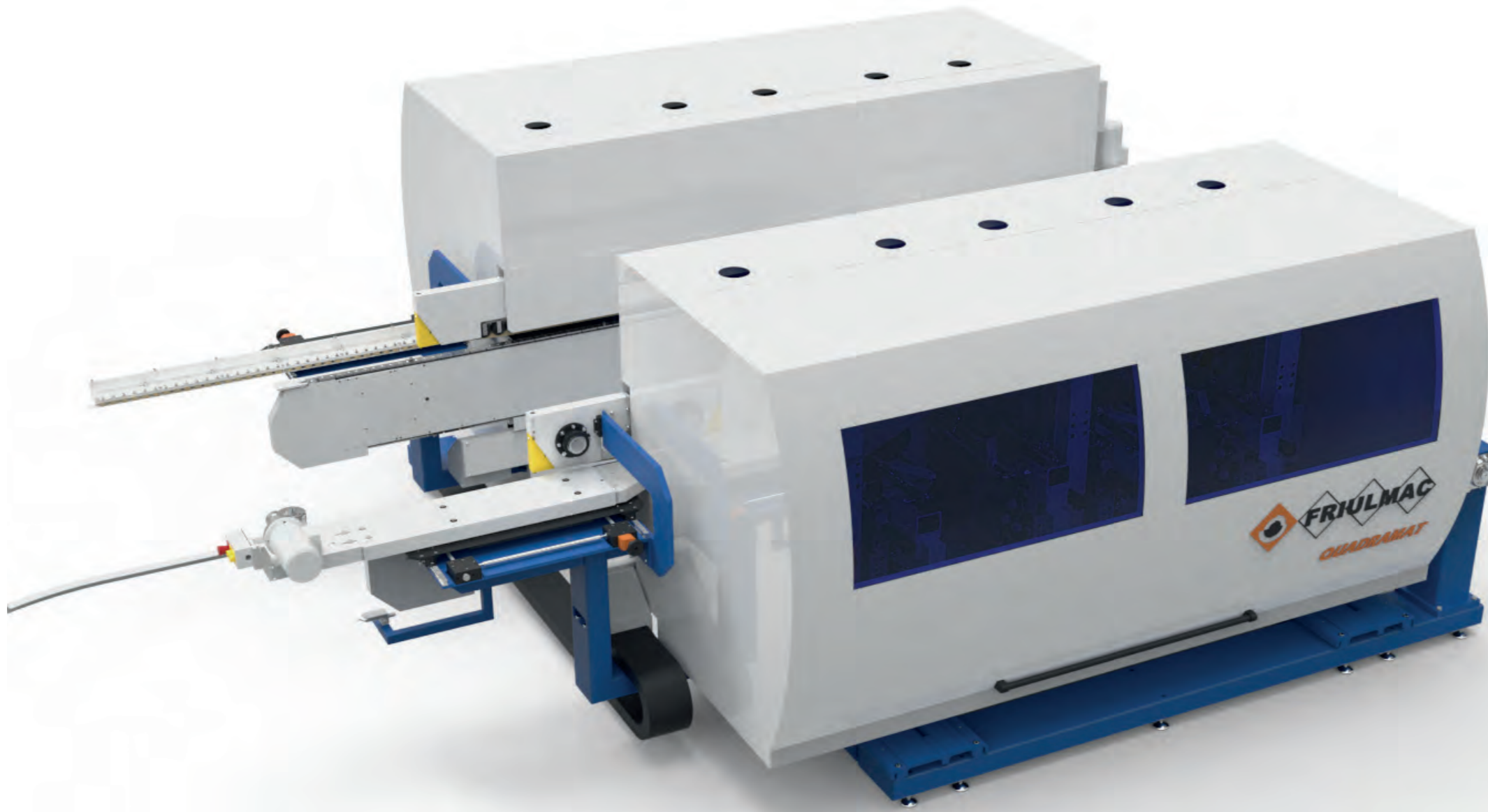
\*\* referred to the profiling depth

\*\*\* depending of tool diameter

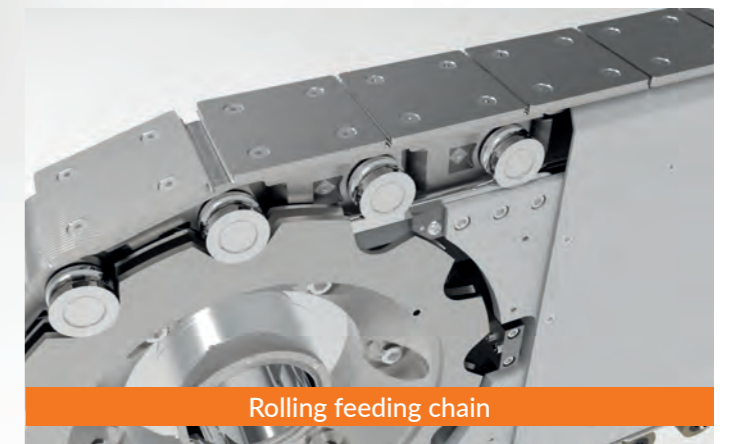
### WORKING SPEED

Average 12-18 mt/min (depending of profiling type, profiling depth, wood species and type of tools)





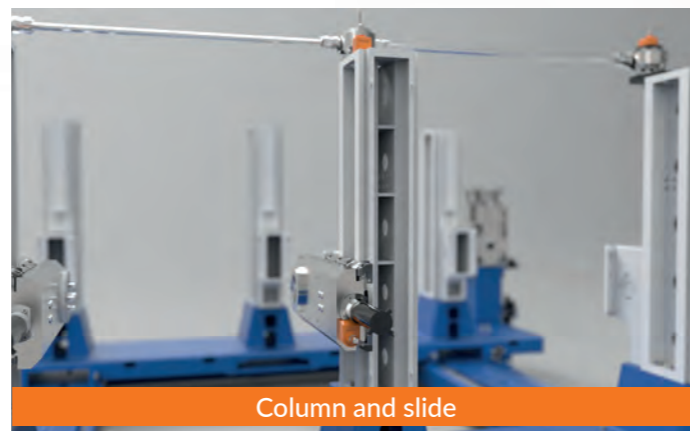
Pressure system for raised panels processing



Rolling feeding chain



Heavy duty baseframe



Column and slide

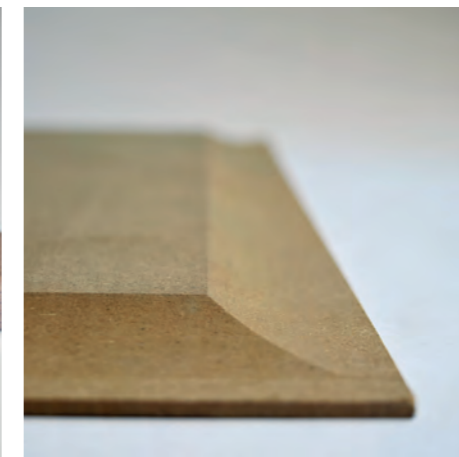


Top pressure system



Sliding feeding chain

## KITCHEN CABINET DOORS & RAISED PANEL PROFILING, SANDING & BRUSHING



### WORKING UNITS



### WORKPIECES DIMENSIONS

ASSEMBLED DOOR			RAISED PANEL				
	MIN	MAX		MIN	MAX		
LENGTH	200*	1500	mm	LENGTH	110**	1500	mm
WIDTH	200*	1500	mm	WIDTH	110**	1500	mm
THICKNESS	10	35	mm	THICKNESS	10	35	mm

\*referred to the profiling depth

\*\*see aside sketch



\*\* referred to the profiling depth

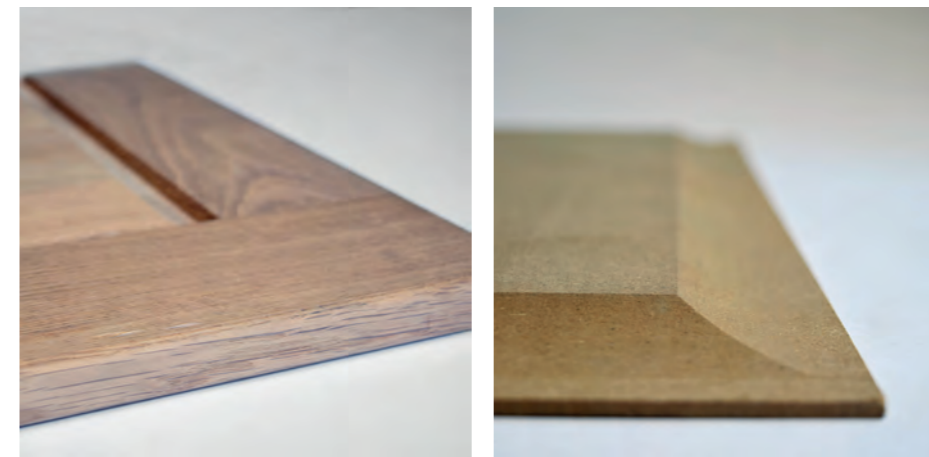
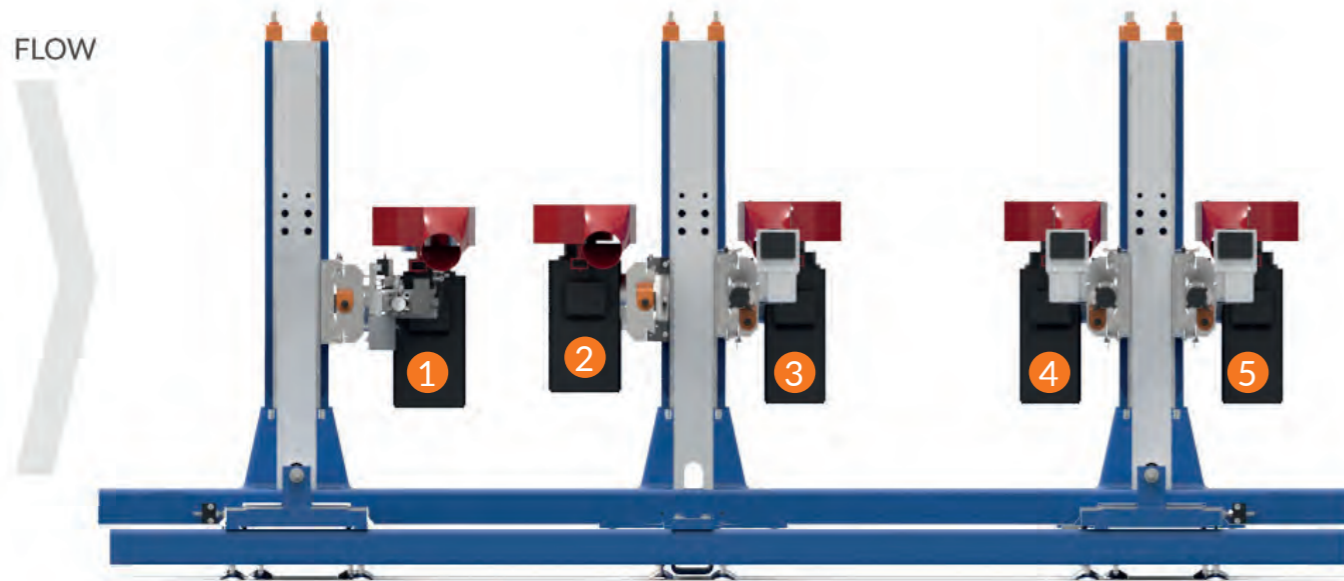
\*\*\* depending of tool diameter

### WORKING SPEED

Up to 30 mt/min (depending of profiling type, profiling depth, wood species and type of tools)



## KITCHEN CABINET DOORS & RAISED PANEL PROFILING AND SANDING



### WORKING UNITS



### WORKPIECES DIMENSIONS

ASSEMBLED DOOR			RAISED PANEL		
	MIN	MAX		MIN	MAX
LENGTH	200*	1500	LENGTH	110**	1500
WIDTH	200*	1500	WIDTH	110**	1500
THICKNESS	10	35	THICKNESS	10	35

\*referred to the profiling depth

\*\*see aside sketch

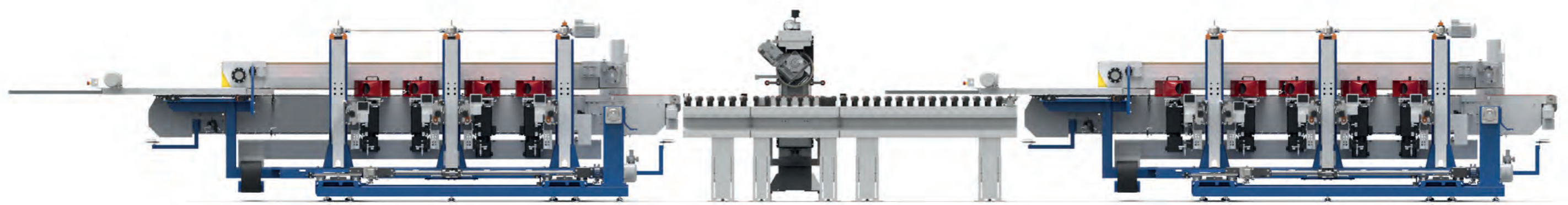


\*\* referred to the profiling depth

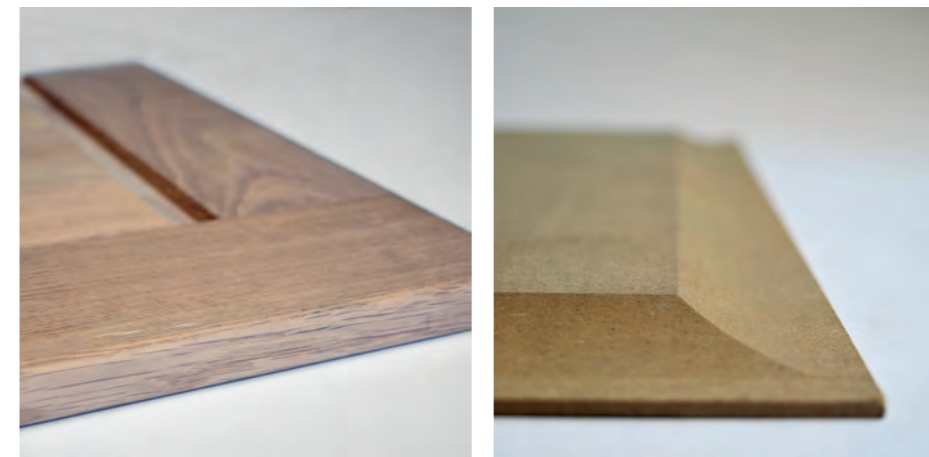
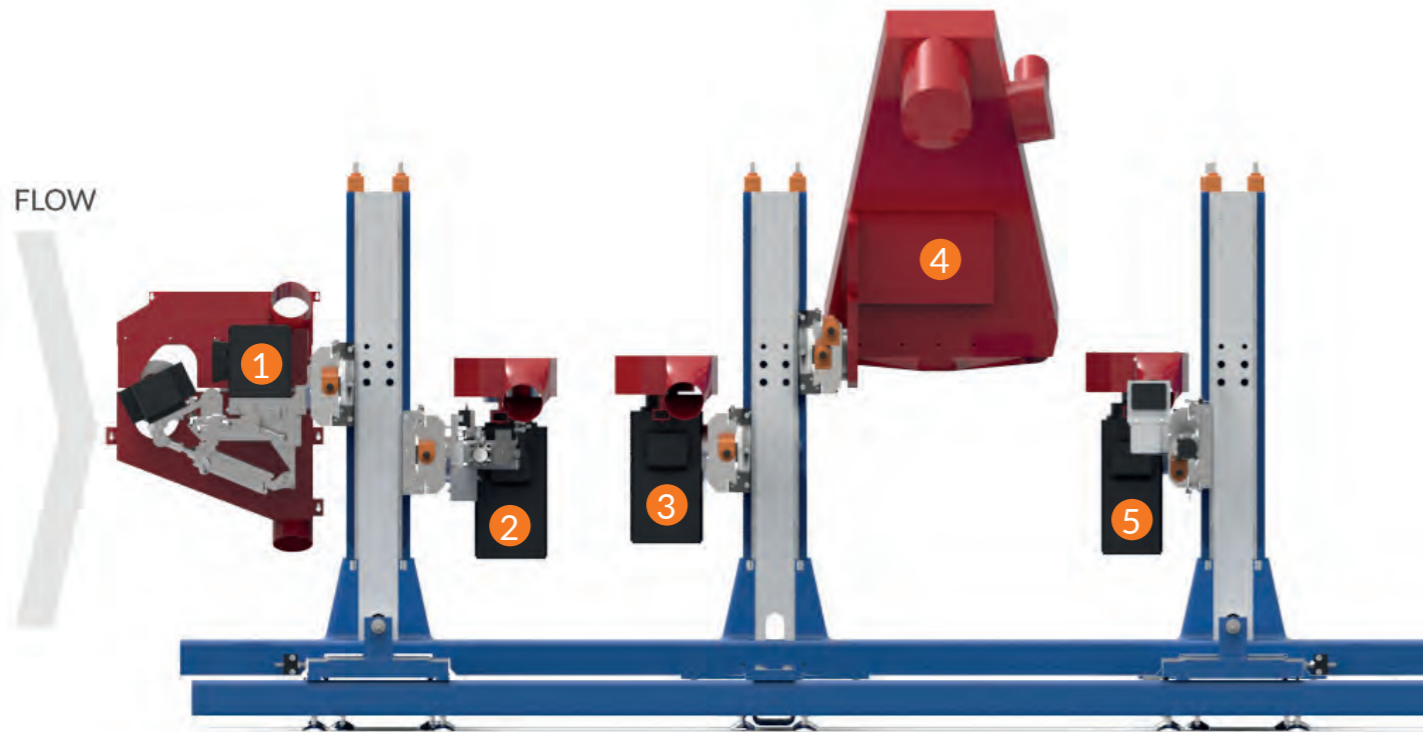
\*\*\* depending of tool diameter

### WORKING SPEED

Up to 30 mt/min (depending of profiling type, profiling depth, wood species and type of tools)



## KITCHEN CABINET DOORS & RAISED PANEL SQUARING, PROFILING & SANDING



### WORKING UNITS



### WORKPIECES DIMENSIONS

ASSEMBLED DOOR			RAISED PANEL			
	MIN	MAX		MIN	MAX	
LENGTH	200*	1500	mm	110**	1500	mm
WIDTH	200*	1500	mm	110**	1500	mm
THICKNESS	10	35	mm	10	35	mm

\*referred to the profiling depth

\*\*see aside sketch

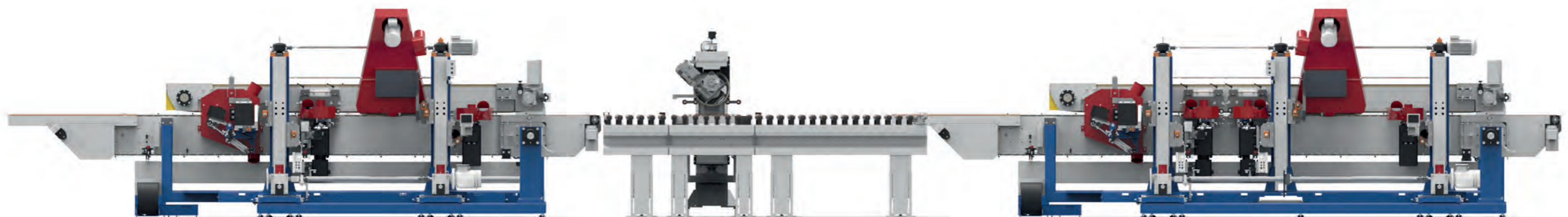


\*\* referred to the profiling depth

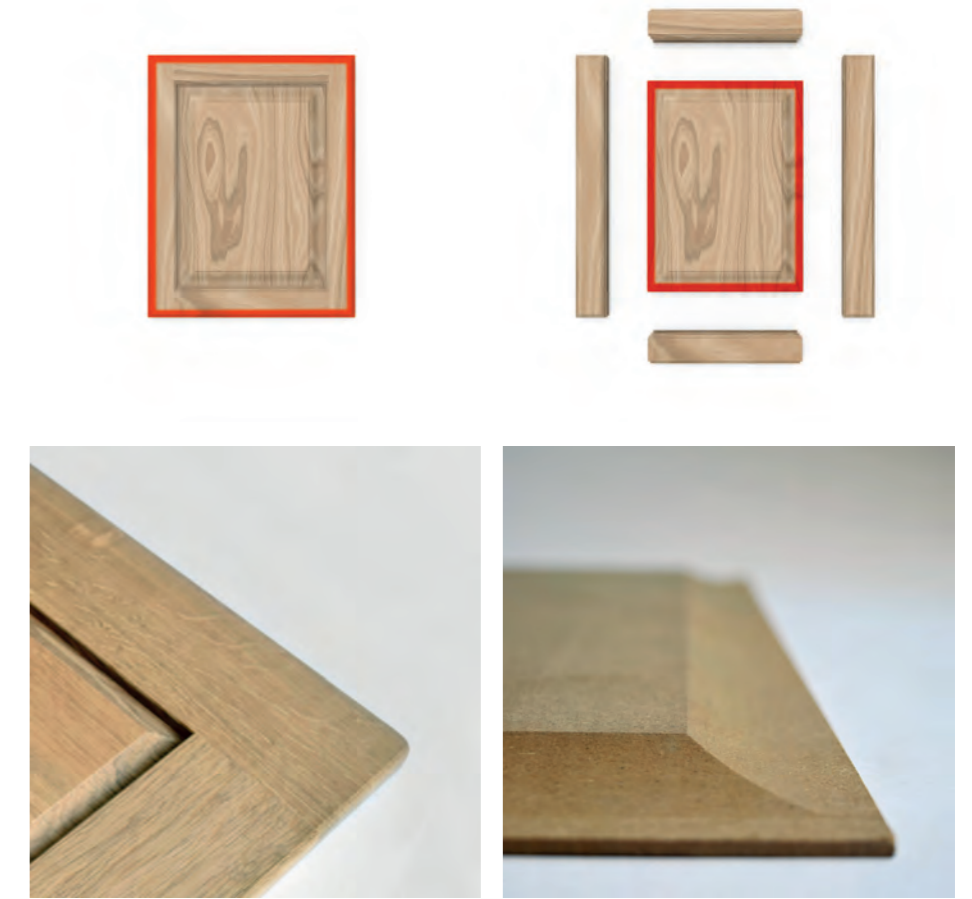
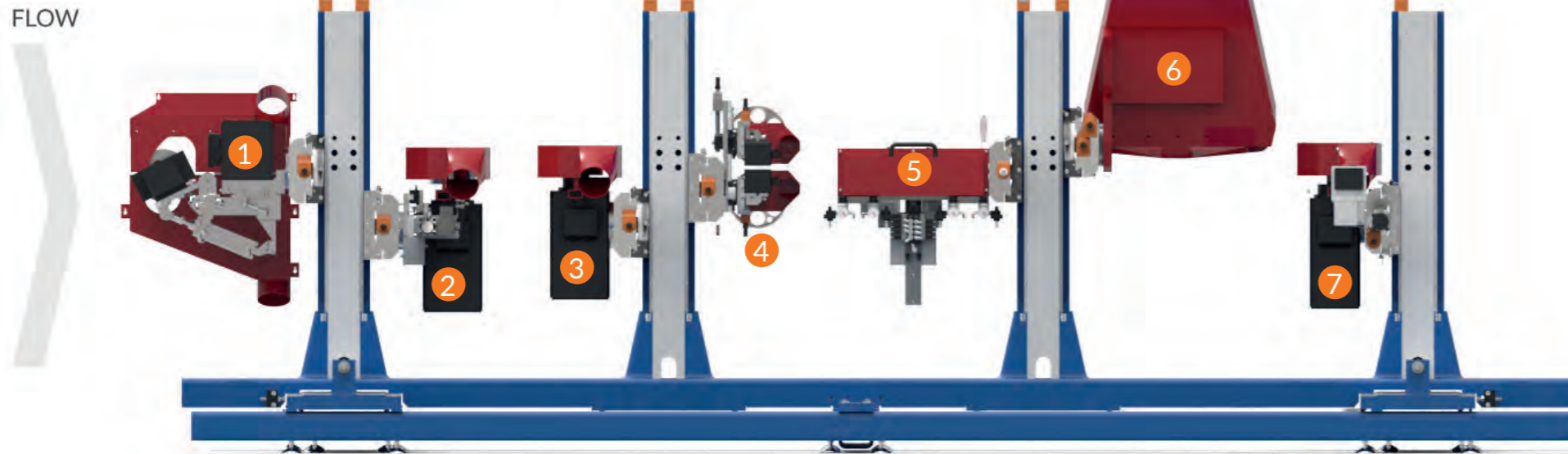
\*\*\* depending of tool diameter

### WORKING SPEED

Up to 30 mt/min (depending of profiling type, profiling depth, wood species and type of tools)



KITCHEN CABINET DOORS & RAISED PANEL SQUARING, PROFILING, BEVELLING, CORNER ROUNDNER & SANDING



WORKING UNITS



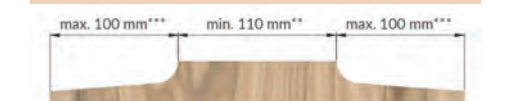
WORKPIECES DIMENSIONS

ASSEMBLED DOOR		
	MIN	MAX
LENGTH	200*	1500 mm
WIDTH	200*	1500 mm
THICKNESS	10	35 mm

\*referred to the profiling depth

RAISED PANEL

	MIN	MAX
LENGTH	110**	1500 mm
WIDTH	110**	1500 mm
THICKNESS	10	35 mm



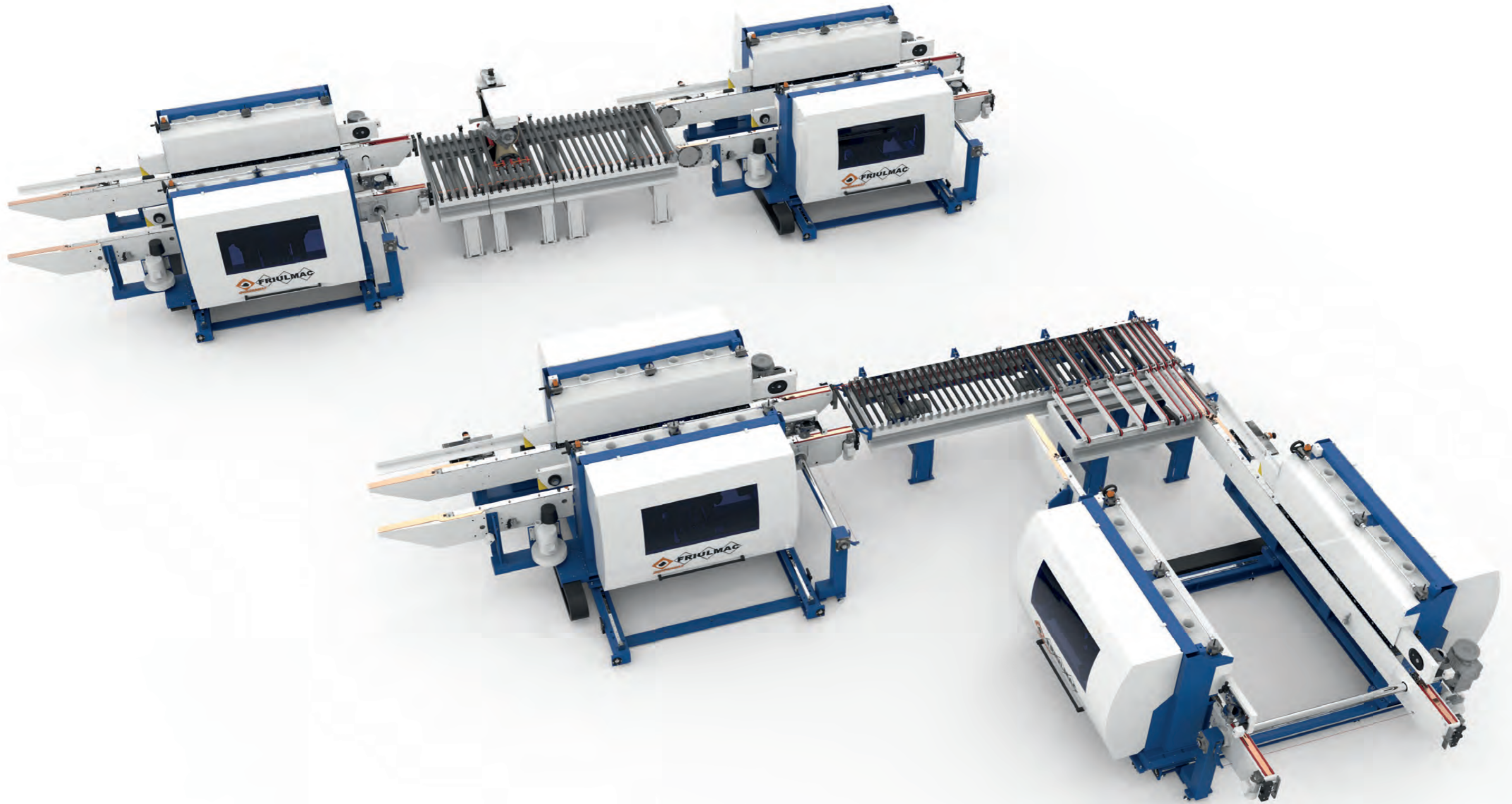
\*\* referred to the profiling depth

\*\*\* depending of tool diameter

WORKING SPEED

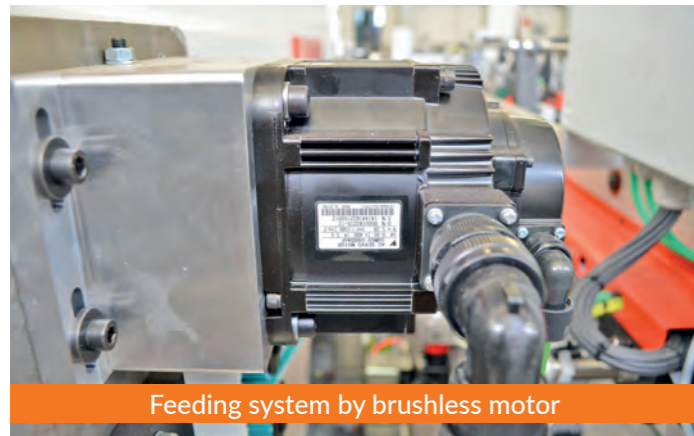
Up to 30 mt/min (depending of profiling type, profiling depth, wood species and type of tools)







Feeding system



Feeding system by brushless motor



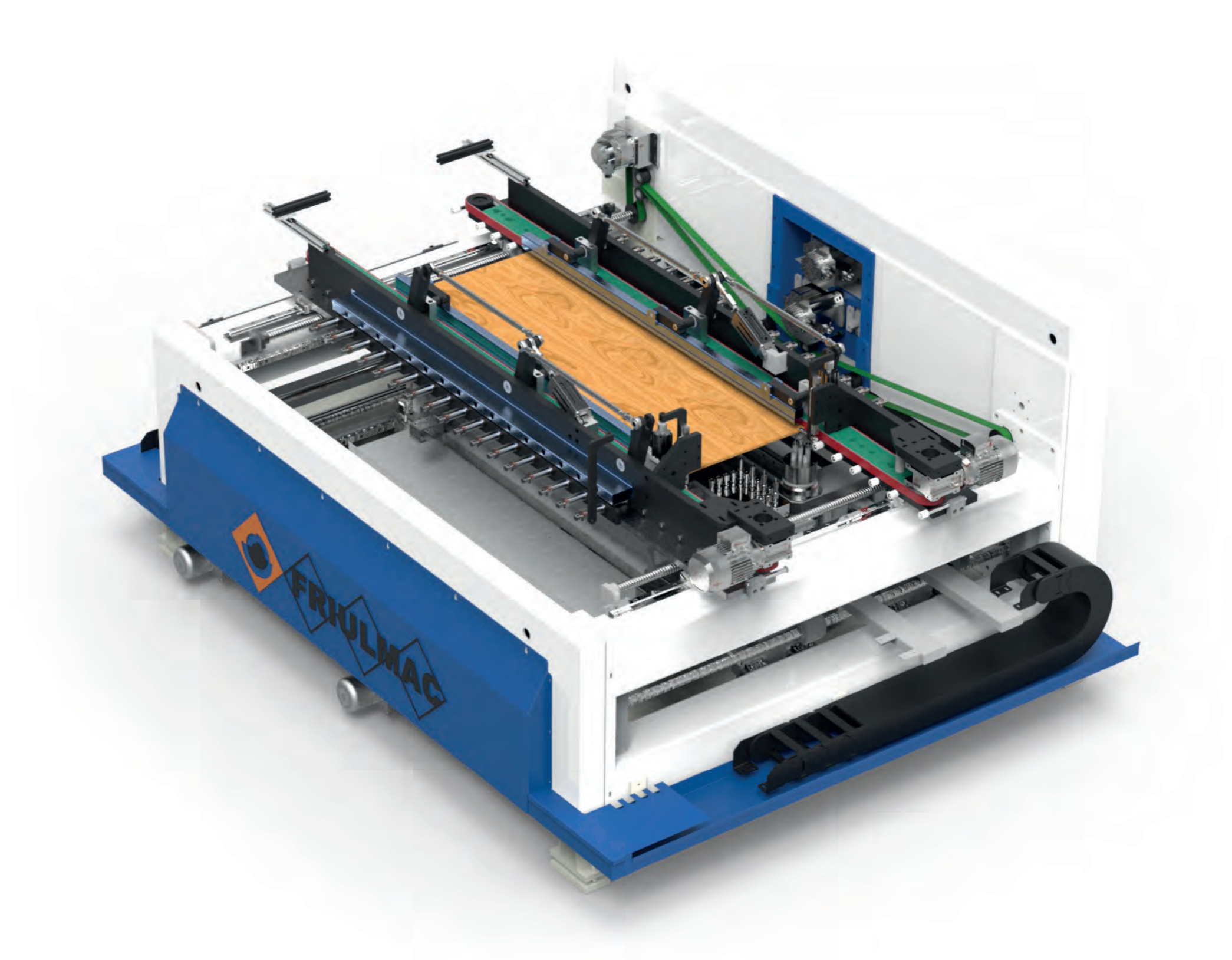
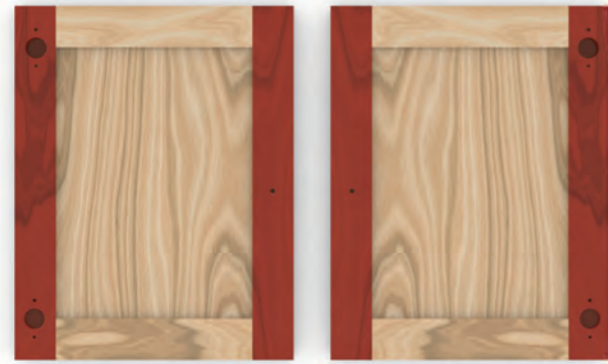
Rotative drilling head



Multi-spindle drilling head

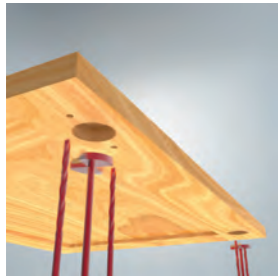


KITCHEN CABINET DOORS BOTTOM DRILLING



WORKING UNITS

UNIT1



WORKPIECES DIMENSIONS

	MIN	MAX	
LENGTH	200	1500	mm
WIDTH	200	1500	mm
THICKNESS	10	35	mm

PRODUCTION CAPACITY

To be informed

NOTES


NOTES




# FRIULMAC

SPECIAL WOODWORKING MACHINERY



## FRIULMAC S.p.A.

via della Tecnologia, 3 - Z.I.U.  
33050 Pavia di Udine (UD) Italy

Phone +39 0432 65 50 07  
Fax +39 0432 65 51 07  
e-Mail [friulmac@friulmac.it](mailto:friulmac@friulmac.it)  
Web [www.friulmac.it](http://www.friulmac.it)

