Extend 1000.820 A 1500/2500

An automatic band saw of a double-column construction, designed for perpendicular cuts of full, as well as profile materials. The outstanding cutting power of the machine results from the following features: a three-sided hardmetal band precision guide, a saw arm laid both-sided on preloaded linear guides, a 54 mm high saw band and lastly, a synchronous running brush for chips disposal. The pedestal, frame and pillars in all Extend Series machines are filled with a polymer-concrete mixture developed by our company. In connection with preloaded, largely over-dimensioned guiding, the polymer-concrete technology allows the machine to perform cuts with almost no vibrations.

Material downfeed is controlled electromechanically, while material clamping and arm downfeed are controlled hydraulically. The maximum length of an individual feed is 1,500 mm or 2,500 mm. The whole work cycle is completed after the length and number of pieces have been programmed. The programming is performed in simple steps, and thanks to a large graphic display of individual sections it is easy to control for the user. All control elements are located on the freely-adjustable control panel. Machine control system is from prestigious company B&R. Machine control is via the touch screen and separate mechanical buttons for each machinefunction. After switching the machine to the semiautomatic mode, all functions of the machine may be controlled separately.

Material clamping is performed by full stroke vices. The machine is equipped with a frequency convertor that allows the saw band optimal speed to be set against the processed material within the 15–90 m/min range; this significantly increases both the saw band lifetime and the machine's productivity. Standard equipment also includes automatic downfeed pressure regulation depending on the resistance of the processed material, and continuously adjustable arm downfeed. The saw band is tilted against the vice load surface at a 2° angle, which substantially shortens cutting times and contributes to a longer lifetime of the saw band.

Machine can be extended by handlig systems and cross conveyer units. Extend A is basic for a completely unattended automatic and personalized customer cutting line.





0°	820	1 000×820	1 000×820	820	1 000×820	550	550

Ref. num.	Item and desc ription
101.241.B1	Extend 1000.820 A 1500 – 3×400 V/5 lines
101.241.B2	Extend 1000.820 A 1500 – 3×400 V/4 lines
101.241.B3	Extend 1000.820 A 1500 – 3×230 V
101.242.B1	Extend 1000.820 A 2500 – 3×400 V/5 lines
101.242.B2	Extend 1000.820 A 2500 – 3×400 V/4 lines
101.242.B3	Extend 1000.820 A 2500 – 3×230 V
	Downfeed speed readout
252.155	Swarf remover
271.111	Hydraulic bundle clamping device
252.300	Micronizer – mist lubrication 24V~
252.302	Micronizer – mist lubrication 24V~ BOX
	Vice pressure regulation
	Remote machine diagnostic and maintainance
252.167	Arm upstroke adjustment from the control panel
269.005	Halogen light
	Pistol for machine cleaning
252.084	Third coolant inflow
271.131	Laser Liner – laser measuring indicator
271.105	Additional vice
252.169	Version with 67 mm blade
252.172	Version with 9 kW drive
	Connection part X 1050 Left
	Connection part X 1050 Right
252.030	Tenzomat – blade tension meter

Technical overview

Operating mode	automatic/semi.
Mitre cutting range	0°
Drive	7.5 kW, 3×400 V/50 Hz
Saw band spd.	15–90 m/min.
Saw band size	9,280×54×1.6 mm
Material loading height	800 mm
Shortest length of rest	300 mm
Maximum weight of material	10,000 kg
One upstroak	1,500/2,500 mm

Dimensions and weight

Length	3,000 mm*
Width	4,350 mm
Height	3,000 mm
Weight	9,500 kg*

*With the feeder conveyer long 1,500 mm

Suitable handling system

Roller conveyors	System X, XP
Cross feeders units	XQK, XQT, XQZ

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Extend 700.520 A 1500/2500

An automatic band saw of a double-column construction, designed for perpendicular cuts of full, as well as profile materials. The outstanding cutting power of the machine results from the following features: a three-sided hardmetal band precision guide, a saw arm laid both-sided on preloaded linear guides, a 41 mm high saw band and lastly, a synchronous running brush for chips disposal.

The pedestal, frame and pillars in all Extend Series machines are filled with a polymer-concrete mixture developed by our company. In connection with preloaded, largely over-dimensioned guiding, the polymer-concrete technology allows the machine to perform cuts with almost no vibrations.

Material downfeed is controlled electromechani - cally, while material clamping and arm down - feed are controlled hydraulically. The maximum length of an individual feed is 1,500 mm, 2,500 mm or 3000 mm. The whole work cycle is completed after the length and number of pieces have been programmed. The program - ming is performed in simple steps, and thanks to a large graphic display of individual sections it is easy to control for the user. All control elements are located on the freely-adjustable control panel. Machine control system is from prestigious company B&R. Machine control is via the touch screen and separate mechanical buttons for each machinefunction. After switch - ing the machine to the semiautomatic mode, all functions of the machine may be controlled separately.

Material clamping is performed by full stroke vices. The machine is equipped with a frequen-cy convertor that allows the saw band optimal speed to be set against the processed material within the 15–90 m/min range; this significantly increases both the saw band lifetime and the machine's productivity. Standard equipment also includes automatic downfeed pressure regulation depending on the resistance of the processed material, and continuously adjust - able arm downfeed. The saw band is tilted against the vice load surface at a 2° angle, which substantially shortens cutting times and contributes to a longer lifetime of the saw band.

Machine can be extended by handlig systems and cross conveyer units. Extend A is basic for a completely unattended automatic and personalized customer cutting line.





∠	○	▭	▯	□	▩	●	■
0°	520	700×520	700×520	520	700×520	400	400

Ref. num.	Item and desc ription
101.251.B1	Extend 700.520 A 1500 – 3×400 V/5 lines
101.251.B2	Extend 700.520 A 1500 – 3×400 V/4 lines
101.251.B3	Extend 700.520 A 1500 – 3×230 V
101.252.B1	Extend 700.520 A 2500 – 3×400 V/5 lines
101.252.B2	Extend 700.520 A 2500 – 3×400 V/4 lines
101.252.B3	Extend 700.520 A 2500 – 3×230 V
	Extend 700.520 A 3000 – 3×400 V/5 lines
	Extend 700.520 A 3000 – 3×400 V/4 lines
	Extend 700.520 A 3000 – 3×230 V
	Downfeed speed readout
252 147	Swarf remover
271.108	Hydraulic bundle clamping device
	Hydraulic movable guiding cube positioning
252.300/252.302	Micronizer – mist lubrication 24V~/24V~ BOX
	Vice pressure regulation
	Hydraulic blade tensioning
252 164	Arm upstroke adjustment from the control panel
	Remote machine diagnostic and maintainance
269 005	Halogen light
	Pistol for machine cleaning
252 084	Third coolant inflow
271.131	Laser Liner – laser measuring indicator
271 102	Additional vice
	Version with 54 mm blade
	Version with 5,5 kW drive
	Connection part X 750 left
	Connection part X 750 right
252.030	Tenzomat – blade tension meter

Technical overview

Operating mode	automatic/semi.
Mitre cutting range	0°
Drive	4 kW, 3×400 V/50 Hz
Saw band spd.	15–90 m/min.
Saw band size	6,640×41×1.3mm
Material loading height	780 mm
Shortest length of rest	300 mm
Maximum weight of material	5,000 kg
One upstroak	1,500, 2,500, 3,000 mm

Dimensions and weight

Length	2,800 mm*
Width	3,500 mm
Height	2,500 mm
Weight	6,200 kg*

*With the feeder conveyer 1,500 mm

Suitable handling system

- Roller conveyors — System X, XP
- Cross feeders units — XQK, XQT, XQZ

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Extend 800.620 A 1500/2500

An automatic band saw of a double-column construction, designed for perpendicular cuts of full, as well as profile materials. The outstanding cutting power of the machine results from the following features: a three-sided hardmetal band precision guide, a saw arm laid both-sided on preloaded linear guides, a 41 mm high saw band and lastly, a synchronous running brush for chips disposal. The pedestal, frame and pillars in all Extend Series machines are filled with a polymer-concrete mixture developed by our company. In connection with preloaded, largely over-dimensioned guiding, the polymer-concrete technology allows the machine to perform cuts with almost no vibrations.

Material downfeed is controlled electromechani - cally, while material clamping and arm down - feed are controlled hydraulically. The maximum length of an individual feed is 1,500 mm or 2,500 mm. The whole work cycle is completed after the length and number of pieces have been programmed. The programming is per - formed in simple steps, and thanks to a large graphic display of individual sections it is easy to control for the user. All control elements are located on the freely-adjustable control panel. Machine control system is from prestigious company B&R. Machine control is via the touch screen and separate mechanical buttons for each machinefunction. After switching the ma - chine to the semiautomatic mode, all functions of the machine may be controlled separately.

Material clamping is performed by full stroke vices. The machine is equipped with a frequen- cy convertor that allows the saw band optimal speed to be set against the processed material within the 15–90 m/min range; this significantly increases both the saw band lifetime and the machine's productivity. Standard equipment also includes automatic downfeed pressure regulation depending on the resistance of the processed material, and continuously adjust - able arm downfeed. The saw band is tilted against the vice load surface at a 2° angle, which substantially shortens cutting times and contributes to a longer lifetime of the saw band.

Machine can be extended by handlig systems and cross conveyer units. Extend A is basic for a completely unattended automatic and personalized customer cutting line.





0°	620	800×620	800×620	620	800×620	400	400

Ref. num.	Item and desc ription
101.231.B1	Extend 800.620 A 1500 – 3×400 V/5 lines
101.231.B2	Extend 800.620 A 1500 – 3×400 V/4 lines
101.231.B3	Extend 800.620 A 1500 – 3×230 V
101.232.B1	Extend 800.620 A 2500 – 3×400 V/5 lines
101.232.B2	Extend 800.620 A 2500 – 3×400 V/4 lines
101.232.B3	Extend 800.620 A 2500 – 3×230 V
	Downfeed speed readout
252 135	Swarf remover
271 109	Hydraulic bundle clamping device
	Hydraulic movable guiding cube positioning
252.300	Micronizer – mist lubrication 24V~
252.302	Micronizer – mist lubrication 24V~ BOX
	Vice pressure regulation
	Hydraulic blade tensioning
	Remote machine diagnostic and maintainance
252 164	Arm upstroke adjustment from the control panel
269 005	Halogen light
	Pistol for machine cleaning
252 084	Third coolant inflow
271.131	Laser Liner – laser measuring indicator
271.103	Additional vice
	Version with 54 mm blade
	Version with 5,5 kW drive
	Connection part X 850 left
	Connection part X 850 right
252.030	Tenzomat – blade tension meter

Technical overview

Operating mode	automatic/semi.
Mitre cutting range	0°
Drive	4 kW, 3×400 V/50 Hz
Saw band spd.	15–90 m/min.
Saw band size	7,300×41×1.3mm
Material loading height	780 mm
Shortest length of rest	300 mm
Maximum weight of material	5,000 kg
One upstroak	1,500, 2,500 mm

Dimensions and weight

Length	2,800 mm*
Width	3,500 mm
Height	2,500 mm
Weight stroje	6,200 kg*

*With the feeder conveyer long 1,500 mm

Suitable handling system

- Roller conveyors — System X, XP
- Cross feeders units — XQK, XQT, XQZ

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Extend 900.720 A 1500/2500

An automatic band saw of a double-column construction, designed for perpendicular cuts of full, as well as profile materials. The outstanding cutting power of the machine results from the following features: a three-sided hardmetal band precision guide, a saw arm laid both-sided on preloaded linear guides, a 54 mm high saw band and lastly, a synchronous running brush for chips disposal. The pedestal, frame and pillars in all Extend Series machines are filled with a polymer-concrete mixture developed by our company. In connection with preloaded, largely over-dimensioned guiding, the polymer-concrete technology allows the machine to perform cuts with almost no vibrations.

Material downfeed is controlled electromechanically, while material clamping and arm downfeed are controlled hydraulically. The maximum length of an individual feed is 1,500 mm or 2,500 mm. The whole work cycle is completed after the length and number of pieces have been programmed. The programming is performed in simple steps, and thanks to a large graphic display of individual sections it is easy to control for the user. All control elements are located on the freely-adjustable control panel. Machine control system is from prestigious company B&R. Machine control is via the touch screen and separate mechanical buttons for each machinefunction. After switching the machine to the semiautomatic mode, all functions of the machine may be controlled separately.

Material clamping is performed by full stroke vices. The machine is equipped with a frequency convertor that allows the saw band optimal speed to be set against the processed material within the 15–90 m/min range; this significantly increases both the saw band lifetime and the machine's productivity. Standard equipment also includes automatic downfeed pressure regulation depending on the resistance of the processed material, and continuously adjustable arm downfeed. The saw band is tilted against the vice load surface at a 2° angle, which substantially shortens cutting times and contributes to a longer lifetime of the saw band.

Machine can be extended by handlig systems and cross conveyer units. Extend A is basic for a completely unattended automatic and personalized customer cutting line.



0° A CNC

∠	○	▭	▯	□	▩	○	□
0°	720	900×720	900×720	720	900×720	550	550

Ref. num.	Item and description
101.236.B1	Extend 900.720 A 1500 – 3×400 V/5 lines
101.236.B2	Extend 900.720 A 1500 – 3×400 V/4 lines
101.236.B3	Extend 900.720 A 1500 – 3×230 V
101.237.B1	Extend 900.720 A 2500 – 3×400 V/5 lines
101.237.B2	Extend 900.720 A 2500 – 3×400 V/4 lines
101.237.B3	Extend 900.720 A 2500 – 3×230 V
	Downfeed speed readout
252.146	Swarf remover
271.110	Hydraulic bundle clamping device
252.300	Micronizer – mist lubrication 24V~
252.302	Micronizer – mist lubrication 24V~ BOX
	Vice pressure regulation
	Remote machine diagnostic and maintainance
252.166	Arm upstroke adjustment from the control panel
269.005	Halogen light
	Pistol for machine cleaning
252.084	Third coolant inflow
271.131	Laser Liner – laser measuring indicator
271.104	Additional vice
252.168	Version with 67 mm blade
252.170	Version with 7,5 kW drive
	Connection part X 950 Left
	Connection part X 950 Right
252.030	Tenzomat – blade tension meter

Technical overview

Operating mode	automatic/semi.
Mitre cutting range	0°
Drive	5.5 kW, 3×400 V/50 Hz
Saw band spd.	15–90 m/min.
Saw band size	8,560×54×1.6 mm
Material loading height	780 mm
Shortest length of rest	300 mm
Maximum weight of material	10,000 kg
One upstroak	1,500/2,500 mm

Dimensions and weight

Length	3,000 mm*
Width	4,,000 mm
Height	2,,600 mm
Weight	8,000 kg*

*With the feeder conveyer long 1,500 mm

Suitable handling system

- Roller conveyors — System X, XP
- Cross feeders units — XQK, XQT, XQZ

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