Extend 1000.820

A semiautomatic band saw of a double-column construction, designed for perpendicular cuts of full, as well as profile materials of large diameters. 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.

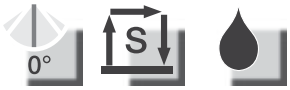
The pedestal, frame and pillars in all Extend Series machines are filled with a polymer-concrete mixture developed by our company. In connection with preloaded, largely over-dimensioned guiding, the polymer-concrete technology allows the machine to perform cuts with almost no vibrations.

Material clamping and arm downfeed are controlled hydraulically, while the material feed is manual. The whole work cycle is completed at the press of a single button: the material is clamped, the saw band starts up, cutting is carried out, the arm is raised to the set top position, and the vice is opened. After switching the machine to the manual mode, all functions of the machine may be controlled separately.

All control elements are located on the freely-adjustable control panel. Material clamping is performed by a full stroke vice. 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 for universal usage. Upon request, the arm may be tilted at 6° for an even shorter cutting groove in profiles and supports, which substantially shortens cutting times and contributes to a longer lifetime of the saw band. Alternatively, the arm may not be tilted at all (0°) for processing full material. In connection with the feeding system, the saw may be extended to a fully automatic device.





∠	○	▭	▯	□	▩	○	□
0°	820	1 000×820	1 000×820	820	1 000×820	550	550

Ref. num.	Item and desc ription
101.240.B1	Extend 1000.820, 3×400 V/5 lines
101.240.B2	Extend 1000.820, 3×400 V/4 lines
101.240.B3	Extend 1000.820, 3×230 V
	Downfeed speed readout
252.155	Swarf remover
271.097	Hydraulic bundle clamping device
252.300	Micronizer – mist lubrication 24V~
252.302	Micronizer – mist lubrication 24V~ BOX
252.304	Vice pressure regulation
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
	SyncFree for XNCA
	Connection part X 1050 Left
	Connection part X 1050 Right
252.030	Tenzomat – blade tension meter

Technical overview

Operating mode	semiautomatic
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 (67)×1.6mm
Material loading height	800 mm
Shortest length of rest	40 mm

Dimensions and weight

Length	1,550 mm
Width	4,500 mm
Height	2,970 mm
Weight stroje	7,500 kg

Suitable handling system

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

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Extend 1120.1120

A semiautomatic band saw of a double-column construction, designed for perpendicular cuts of full, as well as profile materials of large diameters. 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 67 mm high saw band and lastly, a synchronous running brush for chips disposal.

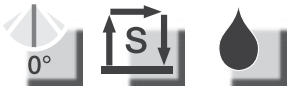
The pedestal, frame and pillars in all Extend Series machines are filled with a polymer-concrete mixture developed by our company. In connection with preloaded, largely over-dimensioned guiding, the polymer-concrete technology allows the machine to perform cuts with almost no vibrations.

Material clamping and arm downfeed are controlled hydraulically, while the material feed is manual. The whole work cycle is completed at the press of a single button: the material is clamped, the saw band starts up, cutting is carried out, the arm is raised to the set top position, and the vice is opened. After switching the machine to the manual mode, all functions of the machine may be controlled separately. All control elements are located on the freely-adjustable control panel.

Material clamping is performed by a full stroke vice. 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 adjust - able arm downfeed.

The saw band is tilted against the vice load surface at a 2° angle for universal usage. Upon request, the arm may be tilted at 6° for an even shorter cutting groove in profiles and supports, which substantially shortens cutting times and contributes to a longer lifetime of the saw band. Alternatively, the arm may not be tilted at all (0°) for processing full material. In connection with the feeding system, the saw may be extended to a fully automatic device.





∠	○	▭	▯	□	▩	○	■
0°	1 120	1120x1 120		1 120	-	-	

Ref. num.	Item and desc ription
101.245.B1	Extend 1120.1120, 3×400 V/5 lines
101.245.B2	Extend 1120.1120, 3×400 V/4 lines
101.245.B3	Extend 1120.1120, 3×230 V
	Downfeed speed readout
252.161	Swarf remover
281.164	Hydraulic bundle clamping device
252.300	Micronizer – mist lubrication 24V~
252.302	Micronizer – mist lubrication 24V~ BOX
252.304	Vice pressure regulation
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
	Additional vice
252.171	Version with 80 mm blade
	Version with 15 kW drive
	SyncFree for XNCA
	Connection part X 1150 Left
	Connection part X 1150 Right
252.030	Tenzomat – blade tension meter

Technical overview

Operating mode	semiautomatic
Mitre cutting range	0°
Drive	11 kW, 3×400 V/50 Hz
Saw band spd.	15–90 m/min.
Saw band size	11,120×67×1.6mm
Material loading height	760 mm
Shortest length of rest	40 mm

Dimensions and weight

Length	1,800 mm
Width	4,800 mm
Height	3,700 mm
Weight stroje	12,500 kg

Suitable handling system

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

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Extend 1320.1320

A semiautomatic band saw of a double-column construction, designed for perpendicular cuts of full, as well as profile materials of large diameters. 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 67 mm high saw band and lastly, a synchronous running brush for chips disposal.

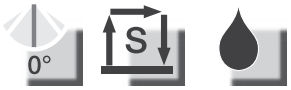
The pedestal, frame and pillars in all Extend Series machines are filled with a polymer-concrete mixture developed by our company. In connection with preloaded, largely over-dimensioned guiding, the polymer-concrete technology allows the machine to perform cuts with almost no vibrations.

Material clamping and arm downfeed are controlled hydraulically, while the material feed is manual. The whole work cycle is completed at the press of a single button: the material is clamped, the saw band starts up, cutting is carried out, the arm is raised to the set top position, and the vice is opened. After switching the machine to the manual mode, all functions of the machine may be controlled separately. All control elements are located on the freely-adjustable control panel.

Material clamping is performed by a full stroke vice. 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 adjust - able arm downfeed.

The saw band is tilted against the vice load surface at a 2° angle for universal usage. Upon request, the arm may be tilted at 6° for an even shorter cutting groove in profiles and supports, which substantially shortens cutting times and contributes to a longer lifetime of the saw band. Alternatively, the arm may not be tilted at all (0°) for processing full material. In connection with the feeding system, the saw may be extended to a fully automatic device.





∠	○	▭	▯	□	▩	○	□
0°	1 320	1 320×1 320	1 320×1 320	1 320	1 000×800	700	700

Ref. num.	Item and desc ription
101.246.B1	Extend 1320.1320, 3×400 V/5 lines
101.246.B2	Extend 1320.1320, 3×400 V/4 lines
101.246.B3	Extend 1320.1320, 3×230 V
	Downfeed speed readout
	Swarf remover
	Hydraulic bundle clamping device
252.300	Micronizer – mist lubrication 24V~
252.302	Micronizer – mist lubrication 24V~ BOX
252.304	Vice pressure regulation
	Arm upstroke adjustment from the control panel
	Halogen light
	Pistol for machine cleaning
	Third coolant inflow
271.131	Laser Liner – laser measuring indicator
	Additional vice
	Version with 80 mm blade
	Version with 15 kW drive
	SyncFree for XNCA
	Connection part X 1350 Left
	Connection part X 1350 Right
	Tenzomat – blade tension meter

Technical overview

Operating mode	semiautomatic
Mitre cutting range	0°
Drive	11 kW, 3×400 V/50 Hz
Saw band spd.	15–90 m/min.
Saw band size	12,150×67×1.6mm
Material loading height	760 mm
Shortest length of rest	40 mm

Dimensions and weight

Length	1,700 mm
Width	5,500 mm
Height	3,600 mm
Weight stroje	14,900 kg

Suitable handling system

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

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Extend 1520.1520

A semiautomatic band saw of a double-column construction, designed for perpendicular cuts of full, as well as profile materials of large diameters. 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 80 mm high saw band and lastly, a synchronous running brush for chips disposal.

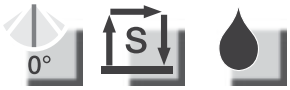
The pedestal, frame and pillars in all Extend Series machines are filled with a polymer-concrete mixture developed by our company. In connection with preloaded, largely over-dimensioned guiding, the polymer-concrete technology allows the machine to perform cuts with almost no vibrations.

Material clamping and arm downfeed are controlled hydraulically, while the material feed is manual. The whole work cycle is completed at the press of a single button: the material is clamped, the saw band starts up, cutting is carried out, the arm is raised to the set top position, and the vice is opened. After switching the machine to the manual mode, all functions of the machine may be controlled separately. All control elements are located on the freely-adjustable control panel.

Material clamping is performed by a full stroke vice. 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 adjust - able arm downfeed.

The saw band is tilted against the vice load surface at a 2° angle for universal usage. Upon request, the arm may be tilted at 6° for an even shorter cutting groove in profiles and supports, which substantially shortens cutting times and contributes to a longer lifetime of the saw band. Alternatively, the arm may not be tilted at all (0°) for processing full material. In connection with the feeding system, the saw may be extended to a fully automatic device.





∠	○	▭	▯	□	▩	●	■
0°	1 520	1 520×1 520		1 520	-	-	

Ref. num.	Item and description
	Extend 1520.1520, 3×400 V/5 lines
	Extend 1520.1520, 3×400 V/4 lines
	Extend 1520.1520, 3×230 V
	Downfeed speed readout
	Swarf remover
	Hydraulic bundle clamping device
	Downfeed done by servo motor and ball screw
	Centrally closing clamping device
	Continuous through saw conveyer
252.300	Micronizer – mist lubrication 24V~
252.302	Micronizer – mist lubrication 24V~ BOX
252.304	Vice pressure regulation
	Arm upstroke adjustment from the control panel
	Halogen light
	Pistol for machine cleaning
	Third coolant inflow
271.131	Laser Liner – laser measuring indicator
	Version with 2×9 kW drive
	Version with 2×11 kW drive
	Version with 2×15 kW drive
	Version with 80×1,6 mm blade
	Version with 100×1,6 mm blade
	SyncFree for XNCA
	Tenzomat – blade tension meter

Technical overview

Operating mode	semiautomatic
Mitre cutting range	0°
Drive	11 kW, 3×400 V/50 Hz
Saw band spd.	15–90 m/min.
Saw band size	11,200×80×1.6 mm
Material loading height	mm
Shortest length of rest	mm

Dimensions and weight

Length	mm
Width	mm
Height	mm
Weight	kg

Suitable handling system

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

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Extend 1820.1520

A semiautomatic band saw of a double-column construction, designed for perpendicular cuts of full, as well as profile materials of large diameters. 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 80 mm high saw band and lastly, a synchronous running brush for chips disposal.

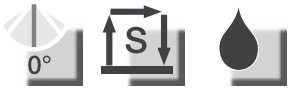
The pedestal, frame and pillars in all Extend Series machines are filled with a polymer-concrete mixture developed by our company. In connection with preloaded, largely over-dimensioned guiding, the polymer-concrete technology allows the machine to perform cuts with almost no vibrations.

Material clamping and arm downfeed are controlled hydraulically, while the material feed is manual. The whole work cycle is completed at the press of a single button: the material is clamped, the saw band starts up, cutting is carried out, the arm is raised to the set top position, and the vice is opened. After switching the machine to the manual mode, all functions of the machine may be controlled separately. All control elements are located on the freely-adjustable control panel.

Material clamping is performed by a full stroke vice. 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 adjust - able arm downfeed.

The saw band is tilted against the vice load surface at a 2° angle for universal usage. Upon request, the arm may be tilted at 6° for an even shorter cutting groove in profiles and supports, which substantially shortens cutting times and contributes to a longer lifetime of the saw band. Alternatively, the arm may not be tilted at all (0°) for processing full material. In connection with the feeding system, the saw may be extended to a fully automatic device.





∠	○	▭	▯	□	▩	●	■
0°	1 520	1 820×1 520		1 520	-	-	

Ref. num.	Item and desc ription
	Extend 1820.1520, 3×400 V/5 lines
	Extend 1820.1520, 3×400 V/4 lines
	Extend 1820.1520, 3×230 V
	Downfeed speed readout
	Swarf remover
	Hydraulic bundle clamping device
	Downfeed done by servo motor and ball screw
	Centrally closing clamping device
	Continuous through saw conveyer
252.300	Micronizer – mist lubrication 24V~
252.302	Micronizer – mist lubrication 24V~ BOX
252.304	Vice pressure regulation
	Arm upstroke adjustment from the control panel
	Halogen light
	Pistol for machine cleaning
	Third coolant inflow
271.131	Laser Liner – laser measuring indicator
	Version with 2×9 kW drive
	Version with 2×11 kW drive
	Version with 2×15 kW drive
	Version with 80×1,6 mm blade
	Version with 100×1,6 mm blade
	SyncFree for XNCA
	Tenzomat – blade tension meter

Technical overview

Operating mode	semiautomatic
Mitre cutting range	0°
Drive	11 kW, 3×400 V/50 Hz
Saw band spd.	15–90 m/min.
Saw band size	11,760×80×1.6 mm
Material loading height	mm
Shortest length of rest	mm

Dimensions and weight

Length	mm
Width	mm
Height	mm
Weight	kg

Suitable handling system

④ Roller conveyors	System X, XP
④ Material length stop	System X, XP
④ Cross feeders units	XQK, XQT, XQZ

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Extend 2020.1820

A semiautomatic band saw of a double-column construction, designed for perpendicular cuts of full, as well as profile materials of large diameters. 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 80 mm high saw band and lastly, a synchronous running brush for chips disposal.

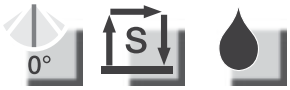
The pedestal, frame and pillars in all Extend Series machines are filled with a polymer-concrete mixture developed by our company. In connection with preloaded, largely over-dimensioned guiding, the polymer-concrete technology allows the machine to perform cuts with almost no vibrations.

Material clamping and arm downfeed are controlled hydraulically, while the material feed is manual. The whole work cycle is completed at the press of a single button: the material is clamped, the saw band starts up, cutting is carried out, the arm is raised to the set top position, and the vice is opened. After switching the machine to the manual mode, all functions of the machine may be controlled separately. All control elements are located on the freely-adjustable control panel.

Material clamping is performed by a full stroke vice. 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 adjust - able arm downfeed.

The saw band is tilted against the vice load surface at a 2° angle for universal usage. Upon request, the arm may be tilted at 6° for an even shorter cutting groove in profiles and supports, which substantially shortens cutting times and contributes to a longer lifetime of the saw band. Alternatively, the arm may not be tilted at all (0°) for processing full material. In connection with the feeding system, the saw may be extended to a fully automatic device.





∠	○	▭	▯	□	▩	○	■
0°	1 820	2 020×1 820		1 820	-	-	

Ref. num.	Item and description
	Extend 2020.1820, 3×400 V/5 lines
	Extend 2020.1820, 3×400 V/4 lines
	Extend 2020.1820, 3×230 V
	Downfeed speed readout
	Swarf remover
	Hydraulic bundle clamping device
	Downfeed done by servo motor and ball screw
	Centrally closing clamping device
	Continuous through saw conveyer
252.300	Micronizer – mist lubrication 24V~
252.302	Micronizer – mist lubrication 24V~ BOX
252.304	Vice pressure regulation
	Arm upstroke adjustment from the control panel
	Halogen light
	Pistol for machine cleaning
	Third coolant inflow
271.131	Laser Liner – laser measuring indicator
	Version with 2×11 kW drive
	Version with 2×15 kW drive
	Version with 80×1,6 mm blade
	Version with 100×1,6 mm blade
	SyncFree for XNCA
	Tenzomat – blade tension meter

Technical overview

Operating mode	semiautomatic
Mitre cutting range	0°
Drive	18.5 kW, 3×400 V/50 Hz
Saw band spd.	15–90 m/min.
Saw band size	13,200×80×1.6 mm
Material loading height	mm
Shortest length of rest	mm

Dimensions and weight

Length	6,063 mm
Width	2,300 mm
Height	4,520 mm
Weight	17,500 kg

Suitable handling system

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

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Extend 2020.2020

A semiautomatic band saw of a double-column construction, designed for perpendicular cuts of full, as well as profile materials of large diameters. 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 80 mm high saw band and lastly, a synchronous running brush for chips disposal.

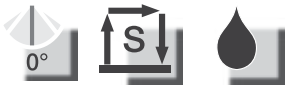
The pedestal, frame and pillars in all Extend Series machines are filled with a polymer-concrete mixture developed by our company. In connection with preloaded, largely over-dimensioned guiding, the polymer-concrete technology allows the machine to perform cuts with almost no vibrations.

Material clamping and arm downfeed are controlled hydraulically, while the material feed is manual. The whole work cycle is completed at the press of a single button: the material is clamped, the saw band starts up, cutting is carried out, the arm is raised to the set top position, and the vice is opened. After switching the machine to the manual mode, all functions of the machine may be controlled separately. All control elements are located on the freely-adjustable control panel.

Material clamping is performed by a full stroke vice. 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 adjust - able arm downfeed.

The saw band is tilted against the vice load surface at a 2° angle for universal usage. Upon request, the arm may be tilted at 6° for an even shorter cutting groove in profiles and supports, which substantially shortens cutting times and contributes to a longer lifetime of the saw band. Alternatively, the arm may not be tilted at all (0°) for processing full material. In connection with the feeding system, the saw may be extended to a fully automatic device.





∠	○	▭	▯	□	▩	●	■
0°	2 020	2 020×2 020		2 020	-	-	

Ref. num.	Item and description
	Extend 2020.2020, 3×400 V/5 lines
	Extend 2020.2020, 3×400 V/4 lines
	Extend 2020.2020, 3×230 V
	Downfeed speed readout
	Swarf remover
	Hydraulic bundle clamping device
	Downfeed done by servo motor and ball screw
	Centrally closing clamping device
	Continuous through saw conveyer
252.300	Micronizer – mist lubrication 24V~
252.302	Micronizer – mist lubrication 24V~ BOX
252.304	Vice pressure regulation
	Arm upstroke adjustment from the control panel
	Halogen light
	Pistol for machine cleaning
	Third coolant inflow
271.131	Laser Liner – laser measuring indicator
	Version with 2x11 kW drive
	Version with 2x15 kW drive
	Version with 100x1,6 mm blade
	SyncFree for XNCA
	Tenzomat – blade tension meter

Technical overview

Operating mode	semiautomatic
Mitre cutting range	0°
Drive	18.5 kW, 3×400 V/50 Hz
Saw band spd.	15–90 m/min.
Saw band size	13,200×80×1.6 mm
Material loading height	mm
Shortest length of rest	mm

Dimensions and weight

Length	6,063 mm
Width	2,300 mm
Height	4,520 mm
Weight	17,500 kg

Suitable handling system

④ Roller conveyors	System X, XP
④ Material length stop	System X, XP
④ Cross feeders units	XQK, XQT, XQZ

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Extend 620.520 SX

Extend 620.520 SX is fully hydraulic semi-auto - matic double column band saw. The band saw is designed for cutting both full and also profiled material at an angle of 90°. 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.

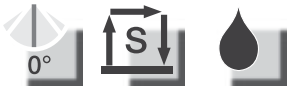
The pedestal, frame and pillars in all of the Extend Series machines are filled with a polymer-concrete mixture developed by our company. In connection with preloaded, largely over-dimensioned guiding, the polymer-con - crete technology allows the machine to perform cuts with almost no vibration and with cutting speed more than 100 cm2 (with bi-metalic saw blade type M42) .

Clamping Vise is equipped with a large, mas - sively dimensioned full-stroke hydraulic cylinder and can be fitted by pressure control for sensitive setting maximum clamping pressure on request. Movable clamping jaw is guided on rails hardened wear resistant. The machine is equipped with a frequency converter, which enables to set the optimum speed of the blade in the range from 15 to 90 m / min. This signifi - cantly increases both blade life and machine productivity.

Extend SX Series machines deliver innova - tive controls that allow seamless expansion functions with regard to the customer 's requirements. This means that the Extend SX machines are ideal for customized cutting lines. The machine can be used in semi-automatic mode, but also machine can be switched to manual mode where all functions of the machine may be controlled separately. Machine control is provided by simple text messages on large LCD. Display is placed on the freely-adjustable control panel.

The standard equipment also includes auto - matic downfeed pressure regulation dependent 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 for universal usage. Upon request, the arm may be tilted at 6° for an even shorter cutting groove in profiles and supports which substantially shortens cutting times and contributes to a longer lifetime of the saw band. Alternatively, the arm need not be tilted at all (0°) for processing full material.





∠	○	▭	▯	□	▩	●	■
0°	520	620×520	620×520	520	620×520	400	400

Ref. num.	Item and desc ription
	Extend 620.520 SX, 3×400 V/5 lines
	Extend 620.520 SX, 3×400 V/4 lines
	Extend 620.520 SX, 3×230 V
	Downfeed speed readout
252 147	Swarf remover
271 098	Hydraulic bundle clamping device
	Hydraulic movable guiding cube positioning
252.300	Micronizer – mist lubrication 24V~
252.302	Micronizer – mist lubrication 24V~ BOX
252.304	Vice pressure regulation
	Hydraulic blade tensioning
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
271.102	Additional vice
	SyncFree for XNCA
	Connection part X 750 left
	Connection part X 750 right
252.030	Tenzomat – blade tension meter

Technical overview

Operating mode	semiautomatic
Mitre cutting range	0°
Drive	7,5 kW, 3×400 V/50 Hz
Saw band spd.	15–90 m/min.
Saw band size	6,640×41×1.3 mm
Material loading height	780 mm
Shortest length of rest	30 mm

Dimensions and weight

Length	1,260 mm
Width	3,500 mm
Height	2,500 mm
Weight	3,800 kg

Suitable handling system

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

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Extend 620.620 SX

Extend 620. 620 SX is fully hydraulic semi-auto - matic double column band saw. The band saw is designed for cutting both full and also profiled material at an angle of 90°. 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.

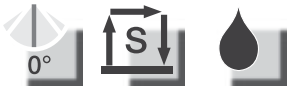
The pedestal, frame and pillars in all of the Extend Series machines are filled with a polymer-concrete mixture developed by our company. In connection with preloaded, largely over-dimensioned guiding, the polymer-con - crete technology allows the machine to perform cuts with almost no vibration and with cutting speed more than 100 cm2 (with bi-metalic saw blade type M42) .

Clamping Vise is equipped with a large, mas - sively dimensioned full-stroke hydraulic cylinder and can be fitted by pressure control for sensitive setting maximum clamping pressure on request. Movable clamping jaw is guided on rails hardened wear resistant. The machine is equipped with a frequency converter, which enables to set the optimum speed of the blade in the range from 15 to 90 m / min. This signifi - cantly increases both blade life and machine productivity.

Extend SX Series machines deliver innova - tive controls that allow seamless expansion functions with regard to the customer 's requirements. This means that the Extend SX machines are ideal for customized cutting lines. The machine can be used in semi-automatic mode, but also machine can be switched to manual mode where all functions of the machine may be controlled separately. Machine control is provided by simple text messages on large LCD. Display is placed on the freely-adjustable control panel.

The standard equipment also includes auto - matic downfeed pressure regulation dependent 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 for universal usage. Upon request, the arm may be tilted at 6° for an even shorter cutting groove in profiles and supports which substantially shortens cutting times and contributes to a longer lifetime of the saw band. Alternatively, the arm need not be tilted at all (0°) for processing full material.





∠	○	▭	▯	□	▩	●	■
0°	620	620×620	620×620	620	×		

Ref. num.	Item and desc ription
	Extend 620.620 SX, 3×400 V/5 lines
	Extend 620.620 SX, 3×400 V/4 lines
	Extend 620.620 SX, 3×230 V
	Downfeed speed readout
252 135	Swarf remover
271 096	Hydraulic bundle clamping device
	Hydraulic movable guiding cube positioning
252.300	Micronizer – mist lubrication 24V~
252.302	Micronizer – mist lubrication 24V~ BOX
252.304	Vice pressure regulation
	Hydraulic blade tensioning
252 165	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
	SyncFree for XNCA
	Connection part X 850 left
	Connection part X 850 right
252.030	Tenzomat – blade tension meter

Technical overview

Operating mode	semiautomatic
Mitre cutting range	0°
Drive	4 kW, 3×400 V/50 Hz
Saw band spd.	15–90 m/min.
Saw band size	6,640×41×1.3 mm
Material loading height	780 mm
Shortest length of rest	30 mm

Dimensions and weight

Length	1,260 mm
Width	3,500 mm
Height	2,500 mm
Weight	3,800 kg

Suitable handling system

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

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Extend 700.520

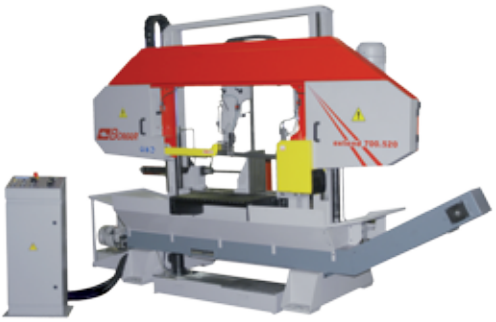
A universal semiautomatic band saw of a double-column construction, designed for cutting both full and profile materials at 90° angles. The outstanding cutting power of the machine results from the following features: a three-sided hardmetal band precision guide, a saw arm laid both-sided on preloaded linear guides, a 41 mm high saw band and lastly, a synchronous running brush for chips disposal.

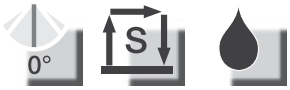
The pedestal, frame and pillars in all of the Extend Series machines are filled with a polymer-concrete mixture developed by our company. In connection with preloaded, largely over-dimensioned guiding, the polymer-con - crete technology allows the machine to perform cuts with almost no vibration. Material clamping and arm downfeed are controlled hydraulically, while the material feed is manual.

The whole work cycle is completed at the press of a single button: the material is clamped, the saw band starts up, cutting is carried out, the arm is raised to the set top position, and the vice is opened. After switching the machine to the manual mode, all functions of the machine may be controlled separately. All control elements are located on the freely-adjustable control panel. Material clamping is performed by a full stroke vice.

The machine is equipped with a frequency convertor that allows the saw band's 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. The standard equipment also includes automatic downfeed pressure regulation dependent 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 for universal usage. Upon request, the arm may be tilted at 6° for an even shorter cutting groove in profiles and supports which substantially shortens cutting times and contributes to a longer lifetime of the saw band. Alternatively, the arm need not be tilted at all (0°) for processing full material. In connection with the feeding system, the saw may be extended to a fully automatic device.





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

Ref. num.	Item and description
101.250.B1	Extend 700.520, 3×400 V/5 lines
101.250.B2	Extend 700.520, 3×400 V/4 lines
101.250.B3	Extend 700.520, 3×230 V
	Downfeed speed readout
252 147	Swarf remover
271 098	Hydraulic bundle clamping device
	Hydraulic movable guiding cube positioning
252.300	Micronizer – mist lubrication 24V~
252.302	Micronizer – mist lubrication 24V~ BOX
252.304	Vice pressure regulation
	Hydraulic blade tensioning
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
271.102	Additional vice
252.180	Version with 54 mm blade
252.179	Version with 5,5 kW drive
252.181	Version with 5,5 kW drive and 54 mm blade
	SyncFree for XNCA
	Connection part X 750 left
	Connection part X 750 right
252.030	Tenzomat – blade tension meter

Technical overview

Operating mode	semiautomatic
Mitre cutting range	0°
Drive	4 kW, 3×400 V/50 Hz
Saw band spd.	15–90 m/min.
Saw band size	6,640×41×1.3 mm
Material loading height	780 mm
Shortest length of rest	30 mm

Dimensions and weight

Length	1,260 mm
Width	3,500 mm
Height	2,500 mm
Weight	5,100 kg

Suitable handling system

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

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Extend 800.620

A universal semiautomatic band saw of a double-column construction, designed for cutting both full and profile materials at 90° angles. 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.

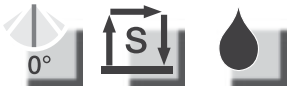
The pedestal, frame and pillars in all of the Extend Series machines are filled with a polymer-concrete mixture developed by our company. In connection with preloaded, largely over-dimensioned guiding, the polymer-con - crete technology allows the machine to perform cuts with almost no vibration. Material clamping and arm downfeed are controlled hydraulically, while the material feed is manual.

The whole work cycle is completed at the press of a single button: the material is clamped, the saw band starts up, cutting is carried out, the arm is raised to the set top position, and the vice is opened. After switching the machine to the manual mode, all functions of the machine may be controlled separately. All control elements are located on the freely-adjustable control panel. Material clamping is performed by a full stroke vice.

The machine is equipped with a frequency convertor that allows the saw band's 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. The standard equipment also includes automatic downfeed pressure regulation dependent 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 for universal usage. Upon request, the arm may be tilted at 6° for an even shorter cutting groove in profiles and supports which substantially shortens cutting times and contributes to a longer lifetime of the saw band. Alternatively, the arm need not be tilted at all (0°) for processing full material. In connection with the feeding system, the saw may be extended to a fully automatic device.





∠	○	▭	▯	□	▩	○	□
0°	620	800×620	620×620	620	800×620	400	400

Ref. num.	Item and desc ription
101.230.B1	Extend 800.620, 3×400 V/5 lines
101.230.B2	Extend 800.620, 3×400 V/4 lines
101.230.B3	Extend 800.620, 3×230 V
	Downfeed speed readout
252 135	Swarf remover
271 096	Hydraulic bundle clamping device
	Hydraulic movable guiding cube positioning
252.300	Micronizer – mist lubrication 24V~
252.302	Micronizer – mist lubrication 24V~ BOX
252.304	Vice pressure regulation
	Hydraulic blade tensioning
252 165	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
252.182	Version with 54 mm blade
252.148	Version with 5,5 kW drive
252.183	Version with 5,5 kW drive and 54 mm blade
	SyncFree for XNCA
	Connection part X 850 left
	Connection part X 850 right
252.030	Tenzomat – blade tension meter

Technical overview

Operating mode	semiautomatic
Mitre cutting range	0°
Drive	4 kW, 3×400 V/50 Hz
Saw band spd.	15–90 m/min.
Saw band size	7,300×41×1.3 mm
Material loading height	780 mm
Shortest length of rest	30 mm

Dimensions and weight

Length	1,260 mm
Width	3,500 mm
Height	2,500 mm
Weight stroje	5,500 kg

Suitable handling system

④ Roller conveyors	System X, XP
④ Material length stop	System X, XP
④ Cross feeders units	XQK, XQT, XQZ

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Extend 900.720

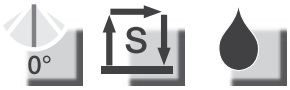
A semiautomatic band saw of a double-column construction, designed for perpendicular cuts of full, as well as profile materials of large diameters. The outstanding cutting power of the machine results from the following features: a three-sided hardmetal band precision guide, a saw arm laid both-sided 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 of the Extend Series machines are filled with a polymer-concrete mixture developed by our company. In connection with preloaded, largely over-dimensioned guiding, the polymer-con - crete technology allows the machine to perform cuts with almost no vibration.

Material clamping and arm downfeed are controlled hydraulically, while the material feed is manual. The whole work cycle is completed at the press of a single button: the material is clamped, the saw band starts up, cutting is carried out, the arm is raised to the set top position, and the vice is opened. After switching the machine to the manual mode, all functions of the machine may be controlled separately. All control elements are located on the freely-adjustable control panel. Material clamping is performed by a full stroke vice.

The machine is equipped with a frequency convertor that allows the saw band's 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.

The standard equipment also includes auto - matic downfeed pressure regulation dependent 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 for universal usage. Upon request, the arm may be tilted at 6° for an even shorter cutting groove in profiles and supports which substantially shortens cutting times and contributes to a longer lifetime of the saw band. Alternatively, the arm need not be tilted at all (0°) for processing full material. In connection with the feeding system, the saw may be extended to a fully automatic device.





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

Ref. num.	Item and description
101.235.B1	Extend 900.720, 3×400 V/5 lines
101.235.B2	Extend 900.720, 3×400 V/4 lines
101.235.B3	Extend 900.720, 3×230 V
	Downfeed speed readout
252.146	Swarf remover
271.095	Hydraulic bundle clamping device
252.300	Micronizer – mist lubrication 24V~
252.302	Micronizer – mist lubrication 24V~ BOX
252.304	Vice pressure regulation
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
	SyncFree for XNCA
	Connection part X 950 Left
	Connection part X 950 Right
252.030	Tenzomat – blade tension meter

Technical overview

Operating mode	semiautomatic
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	786 mm
Shortest length of rest	30 mm

Dimensions and weight

Length	1,550 mm
Width	4,500 mm
Height	2,600 mm
Weight	6,000 kg

Suitable handling system

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

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