

# Individual 520.360 DGANC



A fully automatic band saw of a double-column construction, designed also for double-sided mitre cuts. 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 34 mm high saw band and lastly, a synchronous running brush for chips disposal. Material downfeed is controlled electromechanically, while material clamping and arm downfeed are controlled hydraulically. The maximum length of an individual feed is 2,300 mm and may be extended up to 6,000 mm upon request.

The whole work cycle is completed after the length and number of pieces and angles on each side of a piece 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. 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. The angles are set electromechanically from 60° at the left to 60° at the right with ±0.1° precision. Material clamping is performed by full-stroke vices. The

machine is equipped with a frequency converter that allows the saw band's optimal speed to be set against the processed material within the 20–120 m/min range; this significantly increases both the saw band lifetime and the machine's productivity. The saw band is tilted against the vice load surface at a 2° angle, which also significantly shortens cutting times and contributes to a longer saw band lifetime.

The standard equipment also includes automatic downfeed pressure regulation dependent on the resistance of the processed material, and continuously adjustable arm downfeed. Automatic material shape detection allows the saw arm to move with the maximum speed close above the material, which significantly shortens the cycle time. Thanks to its overall design this automatic machine is suitable for cutting profile materials, especially in the range of frequent double-sided mitre cuts with single feed precision 0.2 mm.



∠	○	▭	□	□	⊙	○	□
0°	360	520×340	520×340	360	500×300	250	250
45° R	360	520×340	310×340	350			
45° L	360	365×340	320×340	320			
60° R	240	240×340	190×340	240			
60° L	255	250×340	200×340	250			

REF. NUM.	ITEM AND DESCRIPTION
101.442.B1	Individual 520.360 DGANC 2300, 3×400 V/5 lines
101.442.B2	Individual 520.360 DGANC 2300, 3×400 V/4 lines
101.442.B3	Individual 520.360 DGANC 2300, 3×230 V
	Feeder extension about 1000 mm
271.132	Hydraulic bundle clamping device
	Downfeed speed readout
269.005	Halogen light
252.020	Vice pressure regulation
252.070	Pistol for machine cleaning
252.300	Micronizer – mist lubrication 24V~
252.302	Micronizer – mist lubrication 24V~ BOX
271.127	Hydraulic blade tensioning
252.121	Straight cut deviation gauge
252.084	Third coolant inflow
252.188	Swarf remover
252.030	Tenzomat – blade tension meter
	Remote machine diagnostic and maintenance
	USB data port
271.131	Laser Liner – laser measuring indicator

## TECHNICAL OVERVIEW

Operating mode	automatic
Mitre cutting range	-60° to +60°
Drive	3 kW, 3×400 V/50 Hz
Saw band spd.	20–120 m/min.
Saw band size	4,780×34×1.1mm
Material loading height	780 mm
Shortest length of rest	220 mm for 0°
One upstroke	2,300–6,300 mm
Maximum weight of material	2,500 kg

## DIMENSIONS AND WEIGHT

Length	5,450 mm*
Width	2,350 mm
Height	2,100 mm
Weight	3,300 kg*

\*With the feeder conveyor long 2,300 mm

## SUITABLE HANDLING SYSTEM

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

# Individual 620.460 DGANC



A fully automatic band saw of a double-column construction, designed also for double-sided mitre cuts. 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. Material downfeed is controlled electromechanically, while material clamping and arm downfeed are controlled hydraulically. The maximum length of an individual feed is 2,300 mm and may be extended up to 6,000 mm upon request.

The whole work cycle is completed after the length and number of pieces and angles on each side of a piece 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. 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. The angles are set electromechanically from 60° at the left to 60° at the right with ±0.1° precision. Material clamping is performed by full-stroke vices. The

machine is equipped with a frequency converter that allows the saw band's optimal speed to be set against the processed material within the 20–120 m/min range; this significantly increases both the saw band lifetime and the machine's productivity. The saw band is tilted against the vice load surface at a 2° angle, which also significantly shortens cutting times and contributes to a longer saw band lifetime.

The standard equipment also includes automatic downfeed pressure regulation dependent on the resistance of the processed material, and continuously adjustable arm downfeed. Automatic material shape detection allows the saw arm to move with the maximum speed close above the material, which significantly shortens the cycle time. Thanks to its overall design this automatic machine is suitable for cutting profile materials, especially in the range of frequent double-sided mitre cuts with single feed precision 0.2 mm.



∠	○	▭	□	□	⊙	○	□
0°	460	620×440	620×440	460	550×400	400	400
45° R	420	420×440	400×440	405			
45° L	420	440×440	410×440	420			
60° R	275	280×440	265×440	265			
60° L	300	300×440	300×440	300			

REF. NUM.	ITEM AND DESCRIPTION
101.481.B1	Individual 620.460 DGANC 2300, 3×400 V/5 lines
101.481.B2	Individual 620.460 DGANC 2300, 3×400 V/4 lines
101.481.B3	Individual 620.460 DGANC 2300, 3×230 V
271.150	Feeder extension about 1000 mm
271.150	Hydraulic bundle clamping device
269.005	Downfeed speed readout
269.005	Halogen light
252.020	Vice pressure regulation
252.070	Pistol for machine cleaning
252.300	Micronizer – mist lubrication 24V~
252.302	Micronizer – mist lubrication 24V~ BOX
271.127	Hydraulic blade tensioning
252.121	Straight cut deviation gauge
252.084	Third coolant inflow
252.188	Swarf remover
252.030	Tenzomat – blade tension meter
	Remote machine diagnostic and maintenance
	USB data port
271.131	Laser Liner – laser measuring indicator

## TECHNICAL OVERVIEW

Operating mode	automatic
Mitre cutting range	-60° to +60°
Drive	4 kW, 3×400 V/50 Hz
Saw band spd.	20–120 m/min.
Saw band size	6,100×41×1.3 mm
Material loading height	810 mm
Shortest length of rest	300 mm for 0°
One upstroke	2,300–6,300 mm
Maximum weight of material	2,500 kg

## DIMENSIONS AND WEIGHT

Length	6,200 mm*
Width	3,000 mm
Height	2,350 mm
Weight	3,850 kg*

\*With the feeder conveyor long 2,300 mm

## SUITABLE HANDLING SYSTEM

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