

• PANEL SAWS



English



RS ROBLAND®
MADE IN BELGIUM

TABLE OF CONTENTS

About Robland	3 - 5
NXZ	6
E300	7
E2500	8
Options & accessories - E-series	9
Strengths	10 - 11
Z-series	12 - 13
Z300	14
Z400	15
Z500	16
Outrigger tables	17
Options & accessories - Z-series	18 - 19
Selection criteria	20 - 21
Robland machines overview	22 - 23
Disclaimer & contact details	24



MADE IN BELGIUM

SINCE 1968

ROBLAND is a privately owned Belgian company, that was founded in 1968 by Robert Landuyt. The first successes were achieved by building affordable qualitative universal woodworking machines, a large part of which are still in use today.

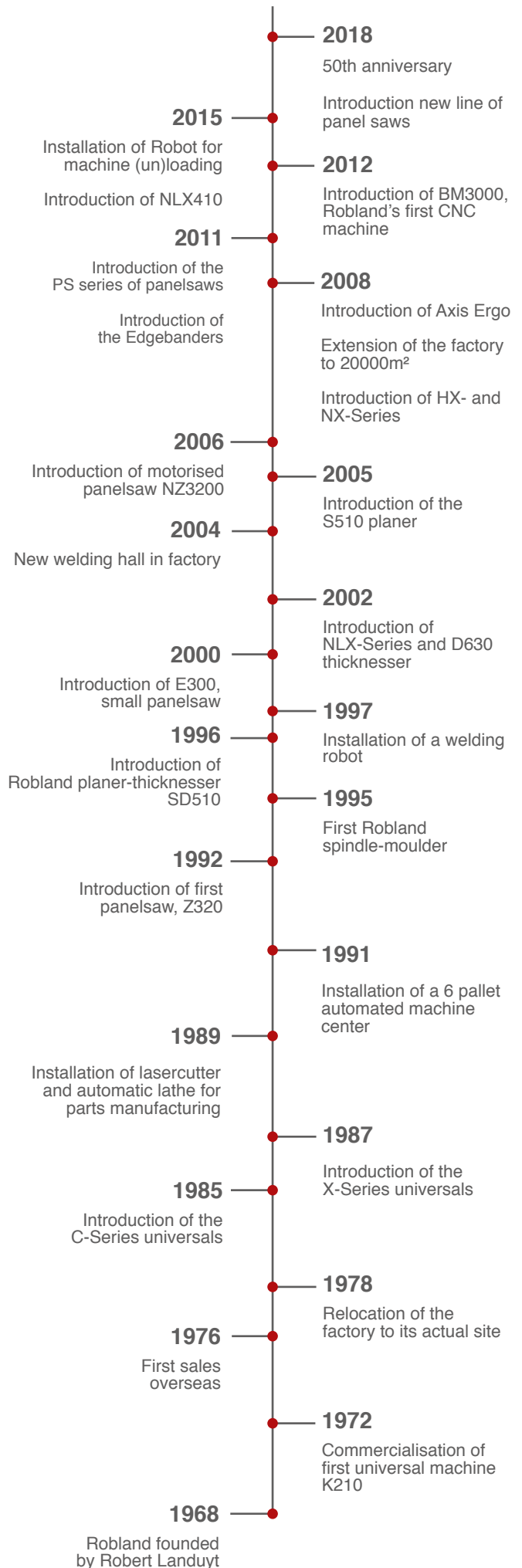
We do have all resources and competencies in house for product development, parts manufacturing, product assembly, sales and after sales support.

With our state of the art, highly automated, parts manufacturing machines we are able to remain cost effective while manufacturing in Belgium near the historical city of Bruges. Although our machines will last for years, this is not enough for us. A quality service and after sales support is key to ROBLAND's success. As we manufacture all machine parts ourselves, you can rely on spare parts always being rapidly available.

Our company mission is to offer woodworking machines with the best quality/price ratio to the high end Do-It-Yourself market and to the small and medium-sized enterprise market.

Our product portfolio, aimed at the second wood processing, includes panel saws, table saws, universal machines, planers, thicknessers, spindle moulders, horizontal mortisers, a semi-automatic boring machine, a CNC boring machine, edge banders and dust extraction systems.

We have an international dealer network and currently export over 85% of our production worldwide to more than 100 countries. In its 20.000 m² large factory ROBLAND employs over 80 people.



PRODUCTION



Steel plate laser cutting



Surface scraping of cast iron table



Computer assisted steel plate bending



Welding of frame



Edge milling of cast iron table



CNC Machining of cast iron table



Powder coating



CNC Machining of cast iron saw aggregate

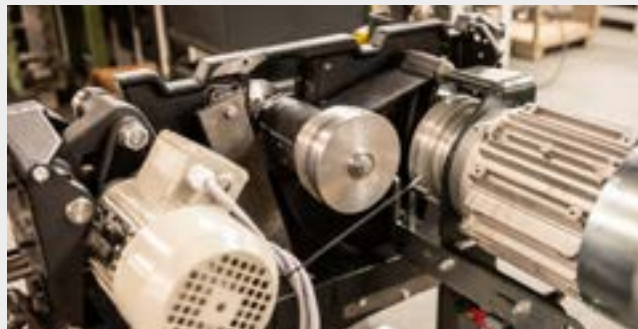


Milling of sliding table surface



CNC Manufacturing of steel parts

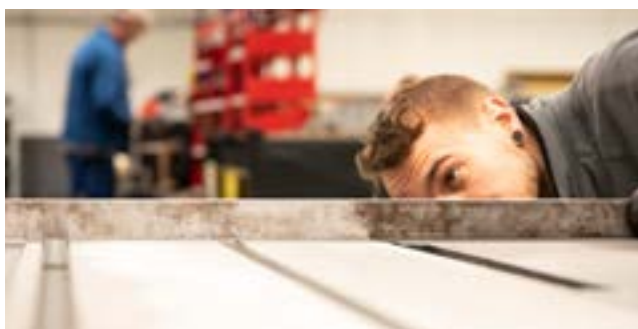
SUBASSEMBLY



ASSEMBLY



LEVELLING AND ALIGNMENT OF THE SLIDING TABLE





NXZ with options

NXZ Technical data

Weight (net)	385 kg
Voltage	230V mono / 230V 3 Phase / 400V 3 Phase
Motor	3,7kW / 5HP (S6)

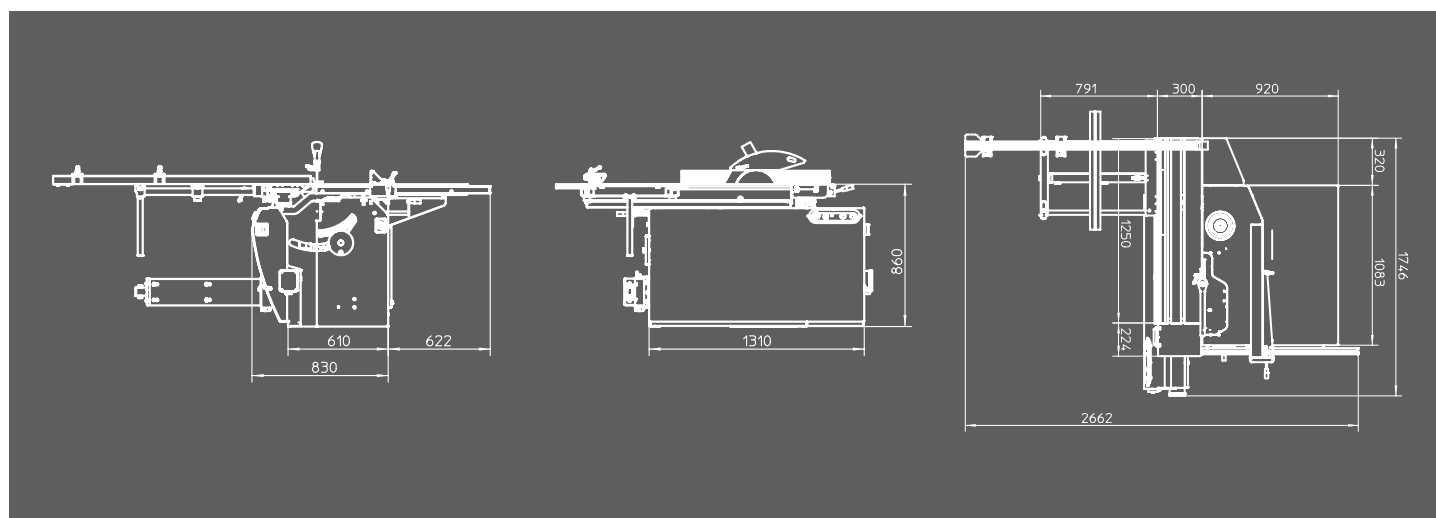
Versions

250 mm with scoring unit (100 x 20mm)

315 mm without scoring unit

Saw

R.P.M.	4500
Diameter saw blade (250mm version)	250 x 30 mm
Diameter saw blade (315mm version)	315 x 30 mm
Cutting depth at 45° / 90° (250mm version)	55 mm / 85 mm
Cutting depth at 45° / 90° (315mm version)	75 mm / 107 mm
Cutting length	1600 mm (Option 2000mm / 2500mm)
Cutting width parallel fence	900 mm
Dimensions table	1080 x 410 mm
Length sliding table	1450 mm (Option 2050 mm)
Width sliding table	320 mm
Dust extraction outlet	100mm + 60mm



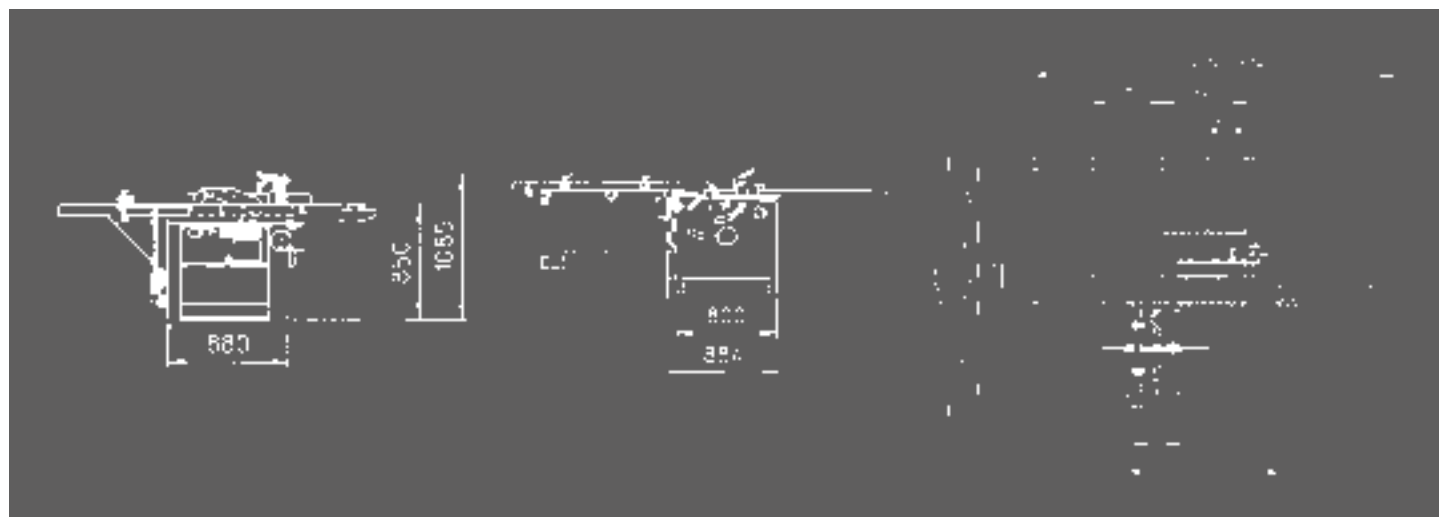
E300



E300 with options

E300 Technical Data

Weight	437 kg
Voltage	230V mono / 230V 3 phase / 400V 3 phase
Motor power	4,4kW / 6,6HP (S6)
RPM main saw	4500
Max. saw diameter	300 mm
Max. depth of cut at 90° - 45°	100 mm (70 mm)
Cutting length	1700 mm
Cutting width parallel fence	1270 mm
Sawblade bore	30 mm
Motor power scorer	0,75kW / 1HP (S6)
RPM scoring saw	6500
Scoring sawblade	120 x 20 mm
Cutting depth scorer	4,5 mm
Dimensions sliding table	1700x310mm
Dimensions table extension	720x450mm
Dimensions sawtable	940x510mm
Dimensions cross-cut table	1060x510mm
Dust extraction outlet	100 mm + 60mm / 100mm with overhead sawguard
Dimensions crate	1720x1060x1000 mm



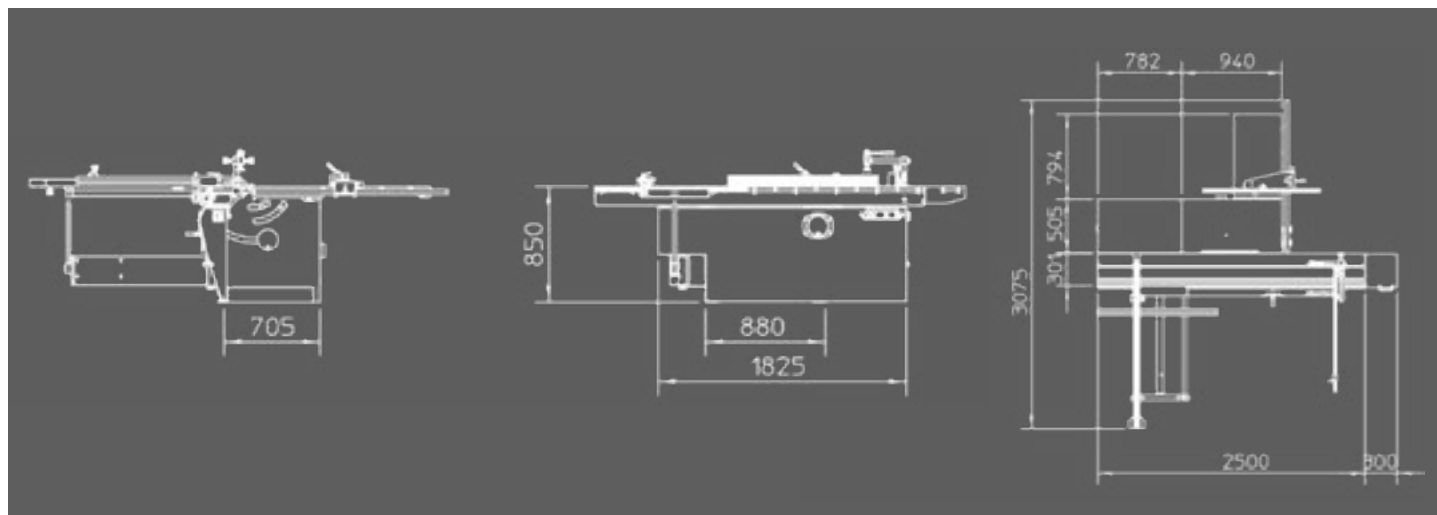
E2500



E2500 with options

E2500 Technical Data

Weight	505 kg
Voltage	230V mono / 230V 3 phase / 400V 3 phase
Motor power three phase	4,4kW / 6,6HP (S6)
RPM main saw	4500
Max. saw diameter	300mm
Max. depth of cut at 90° - 45°	100mm (70mm)
Cutting length	2500mm (option 2800mm / 3100mm)
Cutting width	1270mm
Sawblade bore	30mm
Motor power scoring saw	0,75kW / 1 HP (S6)
RPM scoring saw	6500
Scoring sawblade	120 x 20mm
Cutting depth scoring saw	4,5mm
Dimensions sliding table	2850 x 310mm
Dimensions table extension	720 x 450mm
Dimensions sawtable	940 x 510mm
Dimensions cross-cut table	1060 x 510mm
Dust extraction outlet	100 mm + 60mm / 100mm with overhead sawguard



PANEL SAWS

OPTIONS & ACCESSORIES

NXZ, E300 & E2500



SUPPORT

Extra support table

Can be positioned anywhere along the aluminium profile of the sliding table. Together with the outrigger table it offers a better support for large panels.



DIGITAL READ OUTS

Digital read-out on parallel fence with micro adjustment (E2500)

This increases ease of use and accuracy.

A digital read-out on the cross-cut fence is available as well.



SAW GUARD

Overhanging saw guard (E300 & E2500)

For optimum safety and dust extraction, the overhanging saw guard automatically adjusts to the height of the workpiece. The arm is easy to turn away.



SCORING UNIT

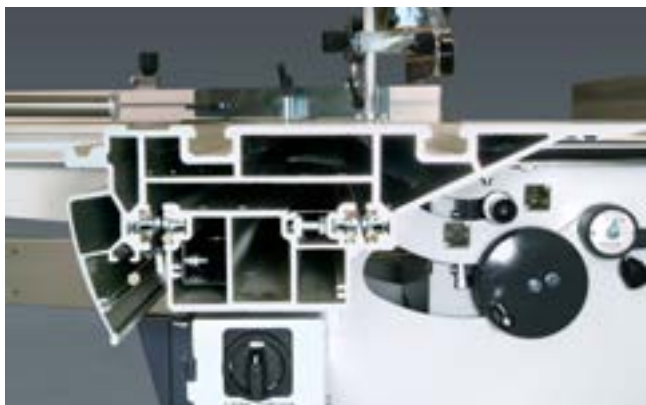
- Optional on the NXZ & E300
- Standard on the E2500
- Diameter 120mm, driven by separate motor on E-series
- Diameter 100mm, beltdriven on NXZ

(Scoring blade is not included)



TORSION TUBE

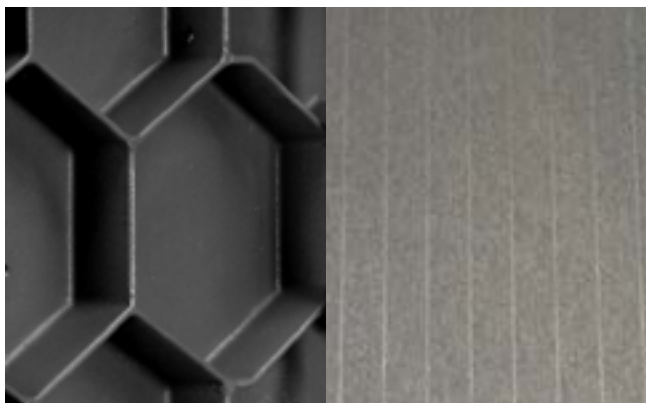
A torsion tube filled with concrete offers increased rigidity to the frame, absorbs vibrations and functions as a counterweight for the load on the sliding table.



ALUMINIUM SLIDING TABLE WITH BOSS

The aluminium sliding table is completely anodized for better hardness and rust protection. The Robland bearing system with hard balls on round hardened steel round bars (BOSS) and automatic cleaning system ensures a smooth operation. The design of the profiles ensures a very high torsion resistance and rigidity, so that the sliding table can easily take heavy loads for many years.

The sliding table of the Z400 and the Z500 is the widest in the industry.



CAST IRON TABLES

Our cast iron tables have a honeycomb structure for the highest strength per weight ratio. The surface is scraped. This technique with low energy dissipation guarantees a very flat surface. Microgrooves are applied for easy gliding of the wooden work piece on the cast iron table.



OVERHANGING SAW GUARD

For optimum safety and dust extraction, the overhanging saw guard (optionally available as of E300, standards as on Z400) automatically adjusts to the height of the workpiece. The arm is easy to turn away. The angled support arm (on the Z500) allows the cross cut of longer workpieces with a width of up to 850 mm, perfect for kitchen worktables.

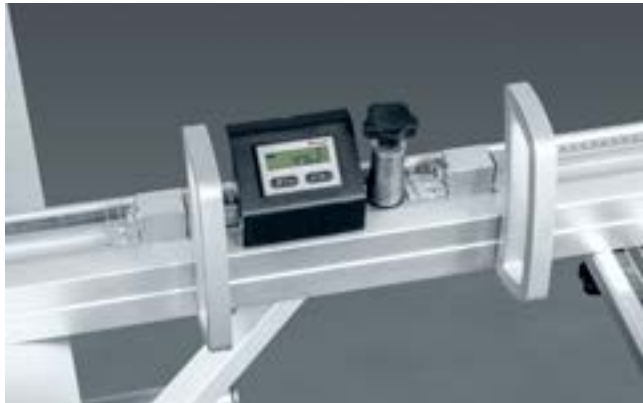
STRENGTHS

SPECIFIC TO THE **Z300**, **Z400**, **Z500** SERIES



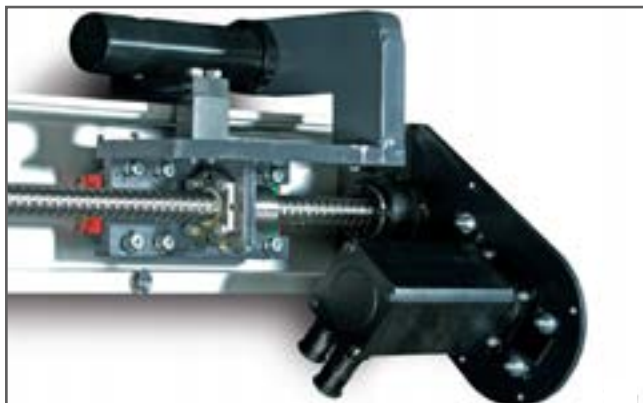
OPTIMIZED SAW AGGREGATE

The saw aggregate is made out of one piece in cast iron for natural absorption of vibrations and offering more precision and stability. Its curved design allows for optimal dust extraction. The heavy, cast-iron sawing unit rotates on large shells. The system is maintenance-free and guarantees lifelong accuracy as well as smooth movements. The rotational speed can be changed easily. There is a wide range of engine powers available.



DIGITAL READ-OUT

The Double Digital Flippers (DDF) system increases ease of use and accuracy when measuring dimensions along the outrigger fence. The right flipper is used for narrow parts while the left flipper allows to measure panels with a larger width.



MOTORIZED PARALLEL FENCE

The control of the movement of the parallel fence on a ball screw allows for its very accurate positioning (X1 and X3)



LED STRIP WARNING

On the Z500 models a led strip lights up near the scoring blade when it is in use. This is also available as an option on the Z400 models.

Z SERIES

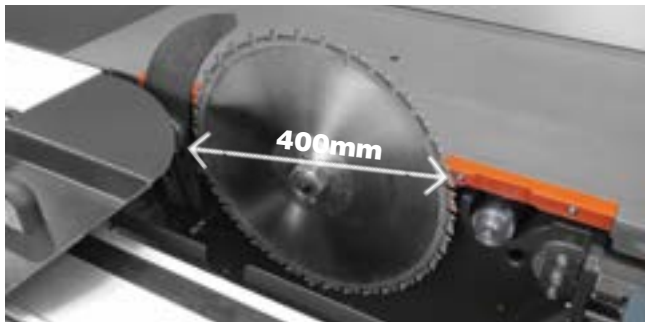
DIFFERENT SAW DIAMETERS

In 2018 ROBLAND launched a new series of panel saws on the basis of different saw diameters, sliding tables and executions. Here you have an overview:



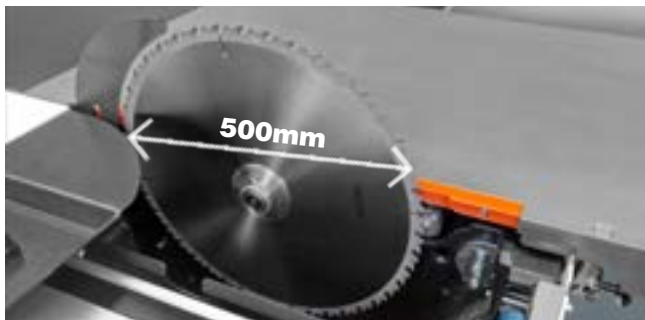
Z300 Series

Maximum saw blade diameter: 315 mm



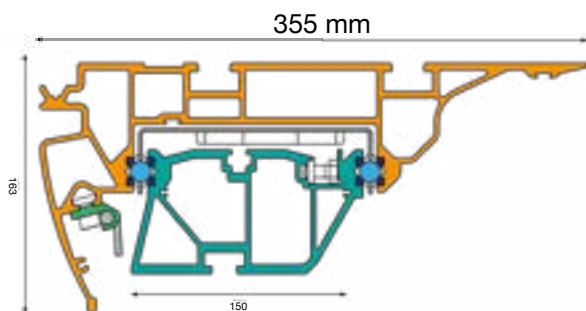
Z400 Series

Maximum saw blade diameter: 400 mm / 350 mm with mounted scoring blade



Z500 Series

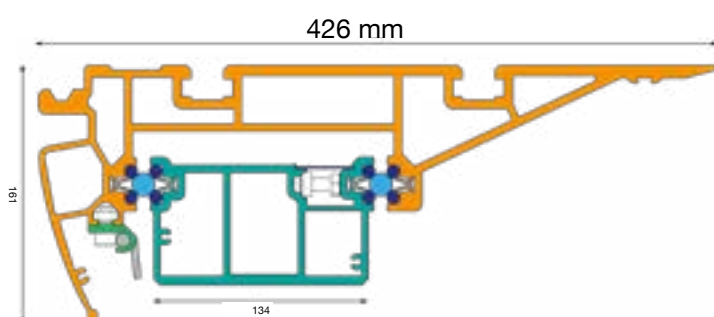
Maximum saw blade diameter: 500 mm / 350 mm with mounted scoring blade



SLIDING TABLE Z300

- Balls on steel bar system (BOSS)
- 6 Years warranty
- 30 steel ball bearings

Available in lengths 2200 / 2800 / 3200 / 3800 mm
Cutting lengths: 2500 / 3100 / 3500 / 4100 mm



SLIDING TABLE Z400/Z500

- Balls on steel bar system (BOSS)
- 6 Years warranty
- 30 steel ball bearings

Available in lengths 2200 / 3200 / 3800 mm
Cutting lengths: 2500 / 3500 / 4100 mm

Z SERIES

DIFFERENT EXECUTIONS



MANUAL (M)

Manual height and tilt adjustment of the saw blade with analogue read-out of inclination of the saw blade.



ELECTRIC (EL)

Electrical height and angle adjustment of the saw blade.

Here pictured with the optional digital read-out of height and inclination of the saw blade.



1 AXIS CONTROL (X1)

Overhanging control panel with:

- 7" colour touch screen for numerical control of position of the parallel fence and read-out of height and inclination of the saw blade.
- Push buttons for:
 - Start/stop of the saw blade and scoring blade
 - Height and inclination of the saw blade
 - Emergency stop
- Clipboard for instructions



3 AXIS CONTROL (X3)

Overhanging control panel with 7" control touch screen controlling the position of the parallel fence as well as the height and angle adjustment of the saw blade.

- Push buttons for:
 - Start/stop of the saw blade and scoring blade
 - Emergency stop
- Clipboard for instructions

Z300



Z300 with options

Z300 Technical Data

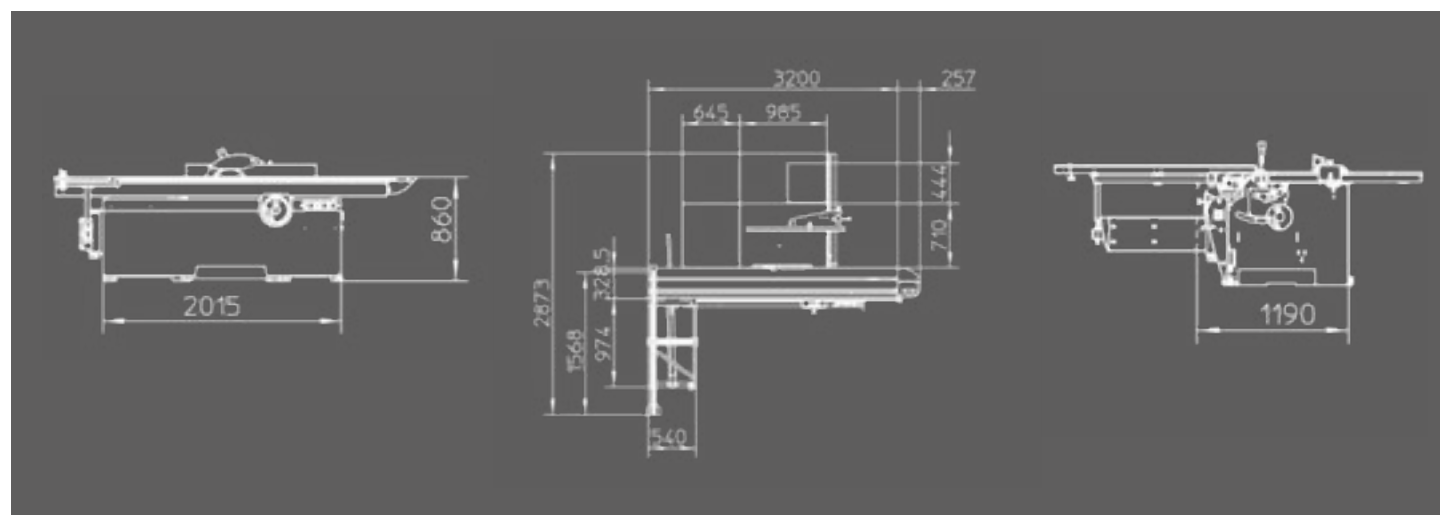
Weight	780 kg - 980 kg
Voltage (three phases)	400 V option 230 V
Motor power (three phase)	4,4kW / 6,6HP (S6), option 7kW / 10,5HP (S6)

Saw

RPM	4500
Diameter saw blade and bore	315 mm
Sawblade tilting	90° - 45°
Cutting depth at 90° / 45°	90 mm / 60 mm
Cutting width parallel fence version Z300 , Z300 EL	1000/1350 mm
Cutting width parallel fence version Z300 X1, Z300 X3	1250 mm
Cutting length	3500 mm (option 2500 / 3100 mm)
Dimensions cast iron table	985 mm x 710 mm
Dimensions sliding table	355 mm x 3200 mm (option 2200 / 2800 mm)
Dimensions cross-cut table	1000 mm x 550 mm
Length of swiveling cross-cut fence	1565 + telescopic extension

Scoring unit

Diameter saw blade and bore	120 mm, 20 mm
Cutting depth with 120 mm diameter blade	3,5 mm
RPM	8200
Scoring saw motor power	0,75 kW / 1 HP (S6)



Z400



Z400 with options

Z400 Technical Data

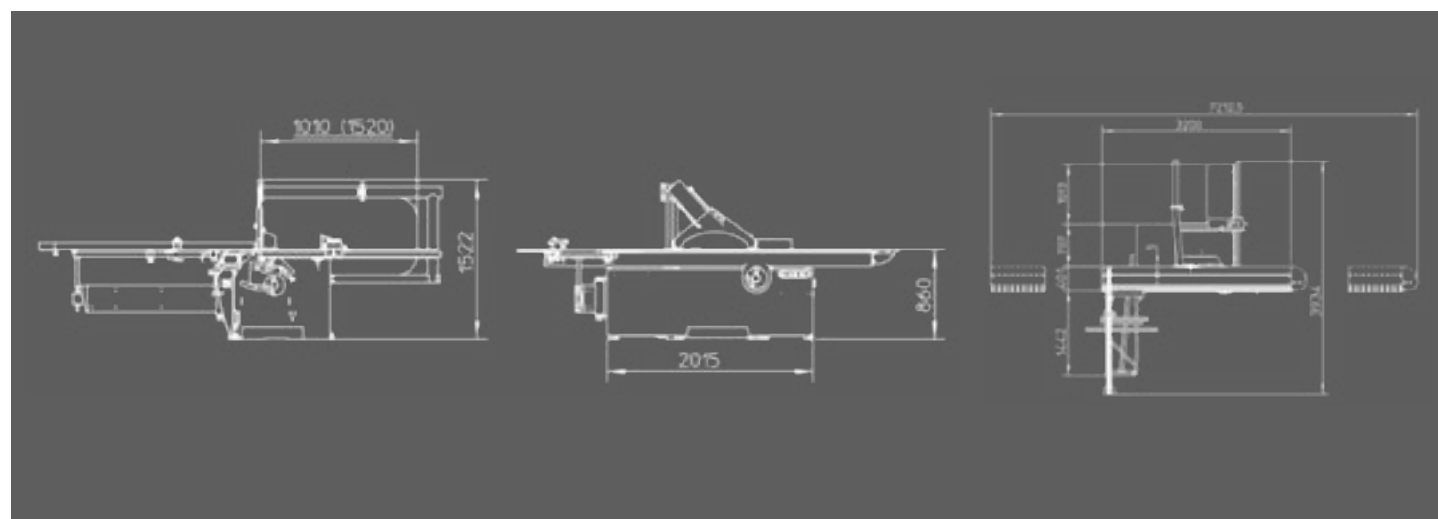
Weight	850 kg (Z400-3200) - 1080 kg (Z400X3-3800)
Voltage (three phases)	400 V, option 230 V
Motor power (three phase)	7 kW / 10,5 HP (S6), option 9,2 kW / 14 HP (S6)

Saw

RPM	3000 / 4000 / 5000
Diameter saw blade and bore	300 - 400 mm, 30 mm
Sawblade tilting	90° - 45°
Cutting depth at 90° / 45°	125 mm / 90 mm
Cutting width parallel fence, version Z400, Z400EL	1000/1350/1525 mm
Cutting width parallel fence, version Z400X1, Z400X3	1250/1500 mm
Cutting length	3500 mm (option 2500 / 4100 mm)
Dimensions cast iron table	985 mm x 710 mm
Dimensions sliding table	3200 (option 2200/3800) mm x 420 mm
Dimensions cross-cut table	1420 mm x 650 mm
Length of swiveling cross-cut fence	2295mm (telescopic 3000mm)

Scoring unit

Diameter saw blade and bore	120 mm, 20 mm
Cutting depth with 120 mm diameter blade	3,5 mm
RPM	8200
Scoring saw motor power	1,3 kW / 2 HP (S6)



Z500



Z500 with options

Z500 Technical Data

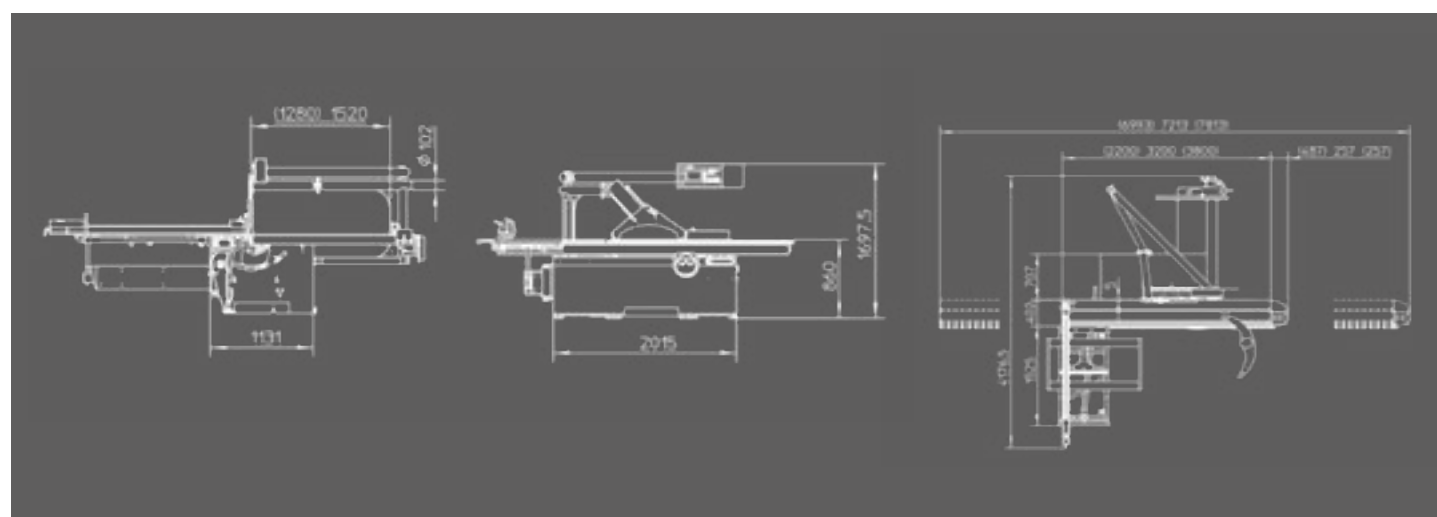
Weight	890 kg (Z500-3200) - 1080 kg (Z500X3-3800)
Voltage (three phases)	400 V, option 230 V
Motor power (three phase)	7 kW / 10,5 HP (S6), option 9,2 kW / 14 HP (S6)

Saw

RPM	3000 / 4000 / 5000
Diameter saw blade and bore	300 - 500 mm, 30 mm
Sawblade tilting	90° - 45°
Cutting depth at 90° / 45°	175 mm / 120 mm
Cutting width parallel fence, version Z500, Z500EL	1000/1350/1525 mm
Cutting width parallel fence, version Z500X1, Z500X3	1250/1500 mm
Cutting length	3500 mm (option 2500 / 4100 mm)
Dimensions cast iron table	985 mm x 710 mm
Dimensions sliding table	3200 mm (option 2200/3800) x 420 mm
Dimensions cross-cut table	1505 mm x 760 mm
Length of swiveling cross-cut fence	2295 mm (telescopic 3355 mm)

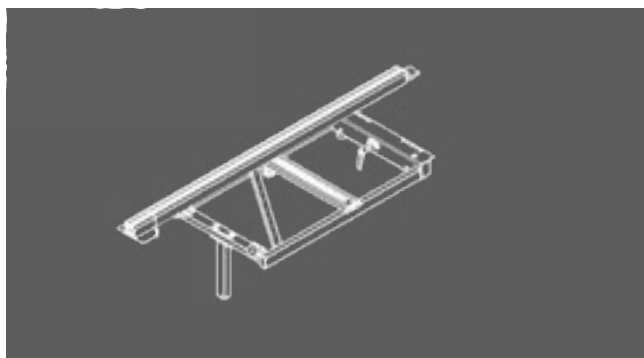
Scoring unit

Diameter saw blade and bore	120 mm, 20 mm
Cutting depth with 120 mm diameter blade	3,5 mm
RPM	8200
Scoring saw motor power	1,3 kW / 2 HP (S6)



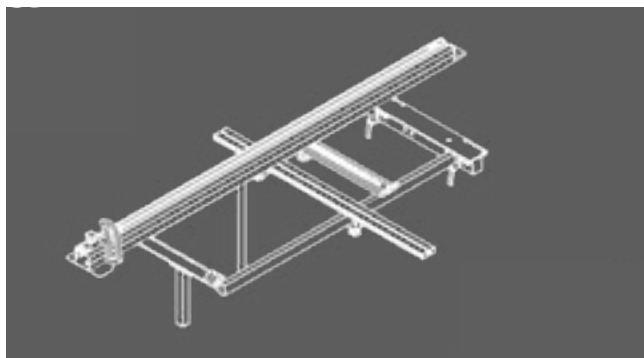
Z SERIES

ROBLAND offers you the choice of different **outrigger tables** on the Z series.



Z300

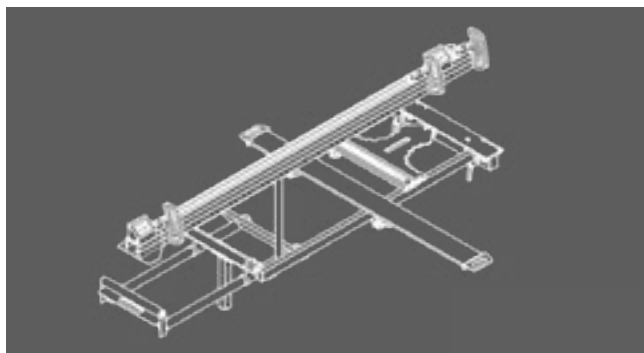
Basic outrigger table (1000 x 550 mm²) with slanting telescopic cross-cut fence.



Z400

Large outrigger table (1420 x 650 mm²) with slanting telescopic cross-cut fence (2295 - 3000 mm).

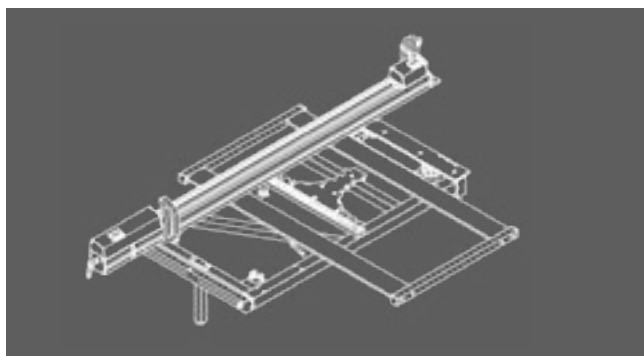
Also available as an option on Z300.



Z400 COMF

Large outrigger table with extension and slanting telescopic cross-cut fence (2295 - 3000 mm). The index system with length correction facilitates accurate sawing of angles and mitre cuts.

Available as an option on Z300 & Z400.



Z500

Largest outrigger table (1505 x 760 mm²) with extensions in length and width and slanting telescopic cross-cut fence (2295 - 3355 mm). The index system with length correction facilitates accurate sawing of angles and mitre cuts.

Also available as an option on Z400.



DIGITAL READ-OUT (Z300)

Digital read-out on parallel fence with micro adjustment. This increases the ease of use and accuracy.



DIGITAL READ-OUT (Z400/Z500)

Digital read-out on parallel fence with micro adjustment. This increases the ease of use and accuracy.

This digital read-out is also available on the Z300 when it is equipped with the optional Z400/Z500 parallel fence.



DIGITAL READ-OUTS (Z300 /Z400)

The Double Digital Flippers system increases ease of use and accuracy when measuring dimensions along the outrigger fence. The right flipper is used for smaller parts while the left flipper allows to measure panels with a larger width.

On the Z400 it is possible to have a second digital read-out on the telescopic part. This digital read-out is available on the Z300 when it is equipped with the optional Z400/Z500 parallel fence.



DIGITAL READ-OUTS (Z500)

Digital read-out on flippers. Increases ease of use and accuracy. Through its large size it allows for continuity from base profile to extension. The telescopic part of the profile also has a digital read-out.



REMOTE START-STOP FUNCTION

Additional start-stop buttons for saw and scoring integrated in the sliding table for increased ease of use and safety.



ACCESSORIES



GROOVE CUTTER

Ability to cut a groove of max. 16 mm wide.

Z SERIES

MITRE FENCE

Mitre fence with wood clamp.

Double sided mitre fence.

ADJUSTABLE SCORING BLADE

“LEADER” scoring blade with adjustable width to match the main saw.

SUPPORT TABLES

Extra support table

Can be positioned anywhere along the aluminium profile of the sliding table. Together with the outrigger table it offers a better support for large panels.

Extra support table with rip fence on ruler for long narrow strips.

PANEL SAWS

OVERVIEW

	NXZ	E300	E2500	Z300M	Z300EL	Z300X1
Machines basics						
Manual	X	X	X	X	-	-
Electrical height and tilt	-	-	-	-	X	X
1 Axis controll (parallel fence)	-	-	-	-	X	X
3 Axis controll (parallel fence + height + tilt)	-	-	-	-	-	-
Motor powers						
single phase 3 KW	O	O	-	-	-	-
single phase 4 KW	-	-	O	O	-	-
3,7 KW 3*380V	S	S	-	-	-	-
3,7 KW 3*220V	O	O	-	-	-	-
4,4 KW 3*380V	-	-	S	S	S	S
4,4 KW 3*220V	-	-	O	O	O	O
7 KW 3*380V	-	-	-	O	O	O
7 KW 3*220V	-	-	-	O	O	O
9,2 KW 3*380V	-	-	-	-	-	-
9,2KW 3*220V	-	-	-	-	-	-
Saw aggregate max. diameter						
250 mm	O	-	-	-	-	-
300 mm	-	S	S	-	-	-
315 mm	S	-	-	S	S	-
400 mm	-	-	-	-	-	-
500 mm	-	-	-	-	-	-
Scoring unit	O	S	S	S	S	S
Speeds on saw						
4500 RPM	S	S	S	S	S	S
3000/4000/5000 RPM	-	-	-	O	O	O
Cutting length						
1600 mm	S	-	-	-	-	-
1700 mm	-	S	-	-	-	-
2000 mm	O	-	-	-	-	-
2500 mm	O	-	S	O	O	O
2800 mm	-	-	O	-	-	-
3100 mm	-	-	O	O	O	O
3500 mm	-	-	-	S	S	S
4100 mm	-	-	-	O	O	O
Cutting width parallel fence						
800 mm	-	-	-	O	O	O
900 mm	S	-	-	-	-	-
1000 mm	-	-	-	O	O	-
1250 mm	O	S	S	S	S	S
1350 mm	-	-	-	O	O	O
1500 mm	-	-	-	-	-	-
Digital readout						
Outrigger table	-	-	O	O	O	O
Parallel fence	-	-	O	O	O	S
Overhead saw guard	-	O	O	O	O	S
Remote control in sliding table	-	-	-	O	O	O

Z300X3	Z400M	Z400EL	Z400X1	Z400X3	Z500M	Z500EL	Z500X1	Z500X3
-	X	-	-	-	X	-	-	-
X	-	X	X	X	-	X	X	X
	-	-	X		-	-	X	-
X	-	-	-	X	-	-		X
-	-	-	-	-	-	-	-	-
-	O	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
S	-	-	-	-	-	-	-	-
O	-	-	-	-	-	-	-	-
O	S	S	S	S	S	S	S	S
O	O	O	O	O	O	O	O	O
-	O	O	O	O	O	O	O	O
-	O	O	O	O	O	O	O	O
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	S	S	S	S	-	-	-	-
-	-	-	-	-	S	S	S	S
S	S	S	S	S	S	S	S	S
S	O	O	O	O	O	O	O	O
O	S	S	S	S	S	S	S	S
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
O	O	O	O	O	O	O	O	O
-	-	-	-	-	-	-	-	-
O	-	-	-	-	-	-	-	-
S	S	S	S	S	S	S	S	S
O	O	O	O	O	O	O	O	O
O	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	O	O	-	-	O	O	-	-
S	-	-	S	S	-	-	S	S
O	S	S	-	-	S	S	-	-
-	O	O	O	O	O	O	O	O
O	O	O	O	O	O	O	O	O
S	O	O	S	S	O	O	S	S
S	S	S	S	S	S	S	S	S
O	O	O	O	O	O	O	O	O

PANEL SAWS



NXZ



E300



E2500



Z300 SERIES



Z400 SERIES



Z500 SERIES

PLANER - THICKNESSERS



NXSD310



NXSD410



SD410

PLANERS



SD510



S410



J510

THICKNESSERS



D510



D630

HORIZONTAL SLOT MORTISER



LBM

SPINDLE - MOULDERS



T120S



T120L



T120P

TABLE SAW



T110i



E45



HX260

COMBINED MACHINES



HX310 PRO



NX310/410 PRO



NLX310/410 PRO



NXTZ PRO

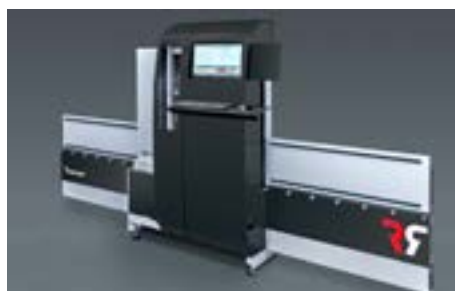


NLXTZ PRO



BM21

DRILLING MACHINES



BM3000



ALPHA



KM575

EDGEBANDERS

This brochure is for information purposes only. Robland reserves the right to modify machine configurations and specifications without prior notice. Standard configurations can change over time and by point of purchase. Please consult your local dealer for accurate and up to date information.

Robland NV
Kolvestraat 44
8000 Brugge - Belgium
Tel: +32 50 458 925
info@robland.com
www.robland.com

facebook

Follow us on facebook
www.facebook.com/Roblandmachines



Follow us on Instagram
www.instagram.com/robland_nv



Follow us on YouTube
www.youtube.com/robland