

# NLX310 PRO



NLX310 PRO with options

## NLX310 PRO Technical Data

Weight	835 kg
Tension	230 V Mono / 230 V - 3 Phase
	400 V - 3 Phase
Dust suction outlet	100 mm
	+ 60 mm on saw guard

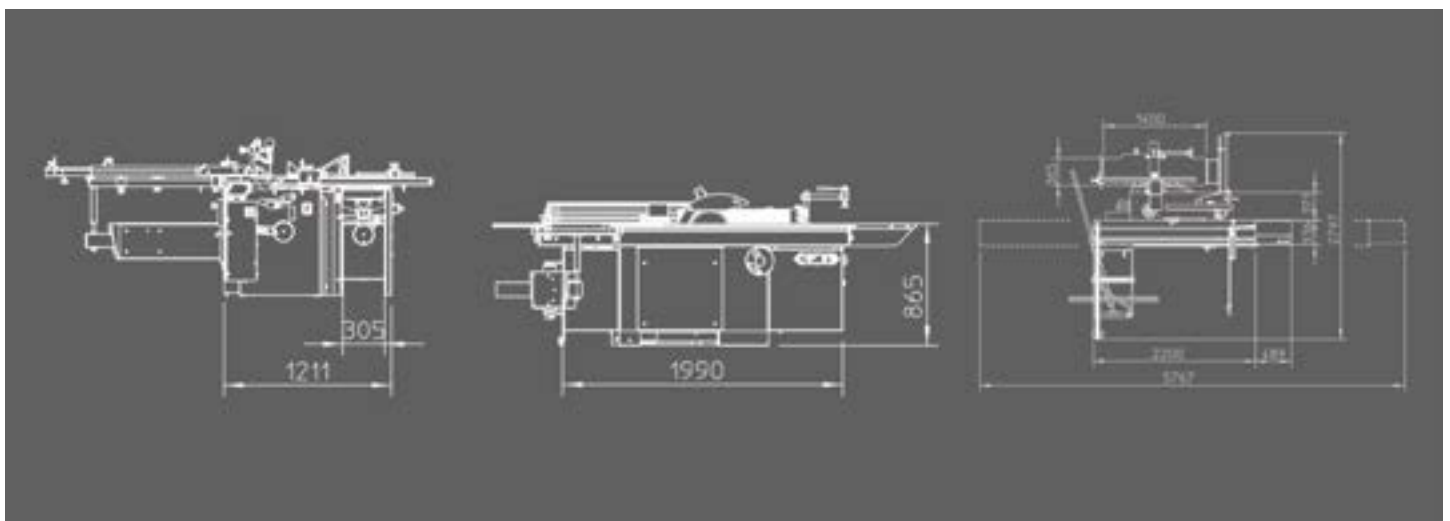
<b>Saw</b>	
R.P.M.	4500 RPM
Diameter saw blade and bore	300 x 30 mm
Cutting depth at 90°	100 mm
Cutting depth at 45°	70 mm
Dimensions cast iron table	1150 x 350 mm
Dimensions sliding table	2200 mm (option 2800 mm)
	x 355 mm
Cutting length	2500 mm (option 3100 mm)
Cutting width parallel fence	870 mm
Motor power 3 phase (S6)	4,85 kW / 6,6 hp
Motor power single phase (S6)	2,2 kW / 3 hp
Scoring blade	120 x 20 mm

<b>Spindle</b>	
Spindle rotation speed	3000 / 6000 / 7500 / 10000 RPM
Diameter spindle arbor	30 mm (option 50 mm)

Capacity spindle arbor	120 mm
Travel	140 mm
Dimensions table opening	180 mm
Motor power 3 phase (S6)	4,85 kW / 6,6 hp
Motor power single phase (S6)	2,2 kW / 3 hp

<b>Planer-Thicknesser</b>	
Total length planer tables	1400 mm
Height capacity thicknesser	230 mm
Diameter cutter block	70 mm
Number of knives	3
Dimensions knives	310 x 25 x 3 mm
Planer thicknesser width	310 mm
Max. depth of cut	4 mm
Feeding speed	6 m/min
Cutter block rotation speed	5200 RPM
Motor power 3 phase (S6)	4,85 kW / 6,6 hp
Motor power single phase (S6)	2,2 kW / 3 hp

<b>Mortiser (Option)</b>	
Chuck	0 - 16 mm
Travel	165 x 140 x 85 mm



Combination machines have the advantage of bringing you all operations (saw, spindle moulder, tenoning, planer, thicknesser and mortiser) in a compact way and at a low budget.

With modern Robland design changing over from one operation to another is both easy and fast. Spareparts are still available multiple years after the product launch. Robland combination machines are designed by the same engineers and built in the same Belgian factory as our more industrial equipment.

Customizing your combination machine is also a possibility with Robland. You can either opt for a full combination machine offering you 4 (saw, spindle, moulder and planer thicknesser) till 6 (with extra tenoning and mortiser) operations or decide to split these operations into two machines: TZ and SD



### ALUMINIUM SLIDING TABLE WITH BOSS

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



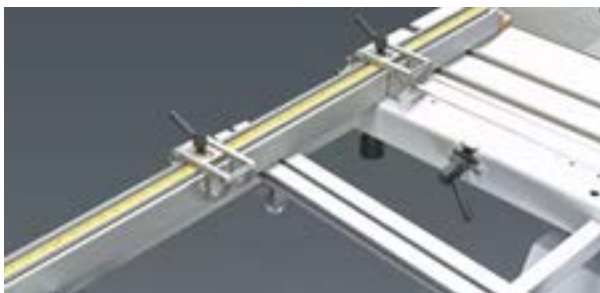
### SAW AGGREGATE

The saw aggregate of the NX and NLX series rotates on shells for a smooth high precision movement.



### OUTRIGGER TABLE

On the HX PRO, NX and NLX series the strong outrigger table is supported by a sturdy telescopic swinging arm guaranteeing precision even with heavy loads.



### CROSS CUT FENCE

Even our entry-level HX310 PRO uses a sturdy aluminium profile for its cross cut fence.



### CAST IRON TABLES

Heavy cast iron tables with a honeycomb structure (on NX and NLX models) and scraped surface guarantee stability and precision for a life-time.

The planer tables open up like butterfly wings offering easy access to the thicknesser.



### ENHANCED COMFORT

The microgrooves in the table surface allow for a smooth gliding of the wood while the perforations near the cutter block decrease the noise level significantly.



### LARGE STRONG PLANER FENCE

The large, hard anodized, planer fence makes edge planing easy. Thanks to its special swivel-support bracket, the fence sets at any angle without a gap between the fence and the table surface.



### TABLE EXTENSION & SUPPORT TABLE FOR POWER FEEDER

The cast iron table extension provides additional support while moulding.

The cast iron "fold away" support table allows for quick and easy mounting of the power feeder. (Standard on NX and NLX series, option on HX series.)



### ANTI-TORSION TUBE

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



### ANALOGUE READOUT FOR THICKNESSER

Handwheel with integrated analogue readout for the thicknesser table. This mechanical readout offers even more comfort and precision than the standard ruler.



### ANALOGUE READOUT FOR SPINDLE-MOULDER

The handwheel with integrated analogue readout indicating the height of the spindle moulder.



### DIGITAL READ-OUTS

Digital read-out on parallel fence with micro adjustment (NLX & NLX-TZ)

This increases ease of use and accuracy.



### TERSA CUTTER BLOCK

The tersa cutter block (not on HX260) for very fast exchange of the blades.



### SPIRAL CUTTER BLOCK

The spiral cutter block (not on HX260) for lower noise level on hardwood.



### HEAVY DUTY TOP CAP

On the NLX type of machines it is possible to mount on the spindle moulder a heavy duty top cap for a better repeatability and more effective dust extraction. This heavy duty top cap also accepts tools with a large diameter.



### WHEEL SET

With the wheel system consisting of two fixed wheels at one side and a swiveling wheel with steering handle at the other, you can easily move your machine. (not available on the NLX Pro)



### MORTISING UNIT

The mortising unit consists of a sliding cast iron table and a wood clamp. Two control levers allow for comfortable handling. Limiters can be set to guarantee the right dimensions.



### TENONING

The tenoning safety hood and cast iron tenoning table with fence and wood clamp enable you to execute your tenoning work in all safety. The safety hood for tenoning accommodates for tooling with a diameter up to 260 mm. (requires optional motor break)



### SUPPORT TABLE

The extra support table on the sliding table facilitates the processing of big panels.

# COMBINED MACHINES

## OVERVIEW

### COMBINED 4 – 6 operations

	HX260	HX310 PRO	NX310 PRO (315)
Optional tenoner and mortiser	O	O	O
Machine in monophase	O	O	O
Outrigger table	-	S	S
Mitre fence with excentric clamp	S	S	S

#### Motors

Number of motors	3	3	3
Motor power (S6, 40% duty cycle) for 3 phase	3 kW	3 kW	3,7 kW
Motor power (S6, 40% duty cycle) for single phase	2,2 kW	2,2 kW	2,2 kW

#### Saw

Scoring unit	-	-	-
Diameter main saw (mm)	250	250	315
Max cutting depth 90° (mm)	85	85	107
Max cutting length standard (mm)	1200	1450	1600
Max cutting length optional (mm)	-	2100	2500
Max cutting width standard with paralel fence (mm)	600	655	800
Parallel fence on round bar	-	-	-
Digital read out on flippers and parallel fence	-	-	-

#### Spindle Moulder

Diameter standard (mm)	30	30	30
Diameter optional (mm)	-	50	1 1/4" / 32 /50
Speed ( 1000 rpm)	3/6	3/6	3/4/6/7,5
Fold away power feeder support table	O	O	S
Heavy duty topcap on linear guidings	-	-	-
Ring guard fence	O	O	O

#### Planer thicknesser

Width of cutterblock (mm)	260	310	310
Cutterblock with resharppable blades	S	S	S
Tersa cutter block	-	O	O
Spiral cutter block	-	O	O

	HXTZ	NXTZ(315)
Optional tenoner	O	O
Optional mortiser	-	-
Machine in monophase	O	O
Outrigger table	-	S
Mitre fence with excentric clamp	S	S

#### Motors

Number of motors	2	2
Motor power (S6, 40% duty cycle)	3 kW	3,7 kW

#### Saw

Scoring unit	-	-
Diameter main saw (mm)	250	315
Max cutting depth 90° (mm)	85	107
Max cutting length standard (mm)	1200	1600
Max cutting length optional (mm)	2100	2500
Max cutting width standard with paralel fence (mm)	600	900
Max cutting width optional with paralel fence (mm)	-	1250
Parallel fence on round bar	-	S
Digital read out on flippers and parallel fence	-	-

#### Spindle Moulder

Diameter standard (mm)	30	30
Diameter optional (mm)	-	1 1/4" / 32 /50
Speed ( 1000 rpm)	3/6	3/4/6/7,5
Fold away power feeder support table	O	S
Heavy duty topcap on linear guidings	-	-
Ring guard fence	O	O

#### Planer thicknesser

Width of cutterblock (mm)	-	-
Cutterblock with resharppable blades	-	-
Tersa cutter block	-	-
Spiral cutter block	-	-

S = Present / O = Optional / - = Not available

<b>NX310 PRO (250)</b>	<b>NX410 PRO (315)</b>	<b>NX410 PRO (250)</b>	<b>NLX310 PRO</b>	<b>NLX410 PRO</b>
O	O	O	O	O
O	O	O	-	-
S	S	S	S	S
S	S	S	S	S
3	3	3	3 + 1	3 + 1
3,7 kW	4,4 kW	4,4 kW	4,4 kW + 0,6 kW	4,4 kW + 0,6 kW
2,2 kW	2,2 kW	2,2 kW	2,2 kW + 0,6 kW	2,2 kW + 0,6 kW
S	-	S	S	S
250	315	250	300	300
85	107	85	100	100
1600	1600	1600	2500	2500
2500	2500	2500	3100	3100
800	800	800	800	900
-	-	-	S	S
-	-	-	O	O
30	30	30	30	30
1 1/4" / 32 /50	1 1/4" / 32 /50	1 1/4" / 32 /50	1 1/4" / 32 /50	1 1/4" / 32 /50
3/4/6/7,5	3/4/6/7,5	3/4/6/7,5	3/4/6/7,5	3/4/6/7,5
S	S	S	S	S
-	-	-	O	O
O	O	O	O	O
310	410	410	310	410
S	S	S	S	S
O	O	O	O	O
O	O	O	O	O
<b>NXTZ(250)</b>	<b>NLXTZ</b>	<b>XSD310</b>	<b>NXSD310</b>	<b>NXSD 410</b>
O	O	-	-	-
-	-	O	O	O
O	-	O	O	O
S	S	-	-	-
S	S	-	-	-
2	2 + 1	1	1	4,4kW
3,7 kW	4,4 kW + 0,6 kW	3,4 kW	3,7 kW	
S	S	-	-	-
250	300	-	-	-
85	100	-	-	-
1600	2500	-	-	-
2500	3100	-	-	-
900	900	-	-	-
1250	1250	-	-	-
S	S	-	-	-
-	O	-	-	-
30	30	-	-	-
1 1/4" / 32 /50	1 1/4" / 32 /50	-	-	-
3/4/6/7,5	3/4/6/7,5	-	-	-
S	S	-	-	-
-	O	-	-	-
O	O	-	-	-
-	-	310	310	410
-	-	S	S	S
-	-	O	O	O
-	-	O	O	O



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.

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