

PL

# SELF-LEVELLING PLANERS

PATENT  
**SIMEX**

For planing asphalt and cement in pre-set depths.

**Sama Trading**  
[www.samatrading.com](http://www.samatrading.com)





■ **Designed for removing the entire layer of asphalt or cement in preparation for trenching, or for milling deteriorated sections for later resurfacing.**

Designed to mill fixed sections on hard and compact surfaces such as asphalt and cement.

Simex PL planers allow the possibility to reuse milled material for backfilling trenches.

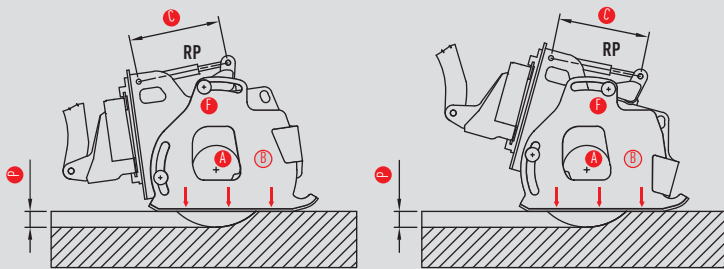
**Maximum hydraulic and mechanical efficiency** thanks to hydraulic piston motors, Simex-engineered drum technology and the stability guaranteed by SELF-LEVELLING system.

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### ■ **Self-Levelling System: Constant planing depth.**

Self-levelling to the planing surface ensures a constant milling depth in any condition, regardless of the ground contour and the position of the attachment with respect to the prime mover. Lateral slides on the planer automatically align to the milling surface to provide maximum stability.



The **RP** depth adjuster (mechanical or hydraulic) moves the fulcrum up and down **F** to determine working depth. **P**

If the planer is not horizontal to the surface, the side **B** rotates forward or back with respect to the virtual axis. **A**

The lateral slides stay gripped to the surface and the working depth **P** remains constant during advancement.

The working depth **P** can be modified only by changing the stroke **C** of the **RP** depth adjuster.

■ **The slides move independently of each other and follow the planing surface (left and right) with total precision.** The independent RH-LH depth adjustment combined with the self-levelling system results in perfectly even surfaces with side-by-side planing.



### ■ **Excellent visibility for the operator.**

Operator is free of problems due to poor visibility of the work area, since planing depth exactly and constantly corresponds to that programmed thanks to self-levelling feature.

### ■ **Flat surfaces with side-by-side planing.**

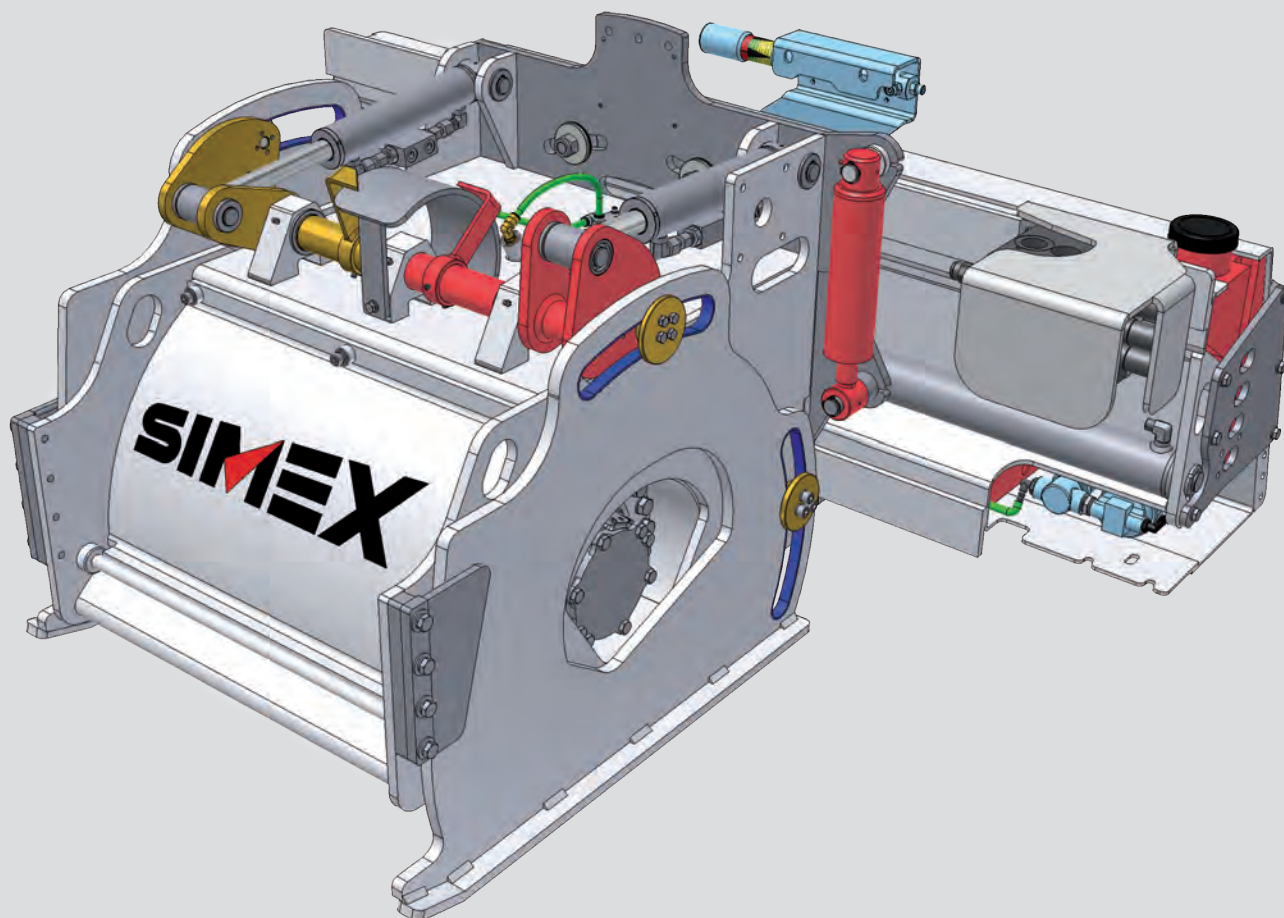
Perfect levelling achievable via side-by-side planing delivers a surface free of height differences.

### ■ **Maximum stability and no vibrations.**

The constant and perfect alignment with the surface is a guarantee of maximum stability.

### ■ **Perfect retention of milled material.**

With the slides constantly gripping the surface, the milled material is prevented from being expelled.



#### ■ Self-levelling system.

Slides are always parallel to the surface; planing depth is always constant.

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#### ■ Independent RH-LH depth adjustment.

Mechanical or hydraulic adjustment (optional).  
Right and left depth indicator.

#### ■ Transverse tilt.

Self-levelling to the surface via return spring system to horizontal position. Hydraulic position (optional) with possibility of floating movement.

■ **Hydraulic side shift** (mechanical for PL 25.10, PL 35.15 and PL 40.15). Used in central or side position, to the right for milling flush to wall.

■ **Electrohydraulic valves** controlled from operator's seat for regulating flow also with 3-way connection to prime mover (also with milling drum in operation).

■ **Drums in different widths and teeth layout for asphalt or cement.**

■ **Multi-tooth drum** for fine surface milling. Millimetric precision thanks to the self-levelling system that maintains constant working depth. Ideal for removal of road surface marking or for creating rumble strips.

#### ■ Water Spray Kit with tank built into frame.

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Includes electro-pump, filter and sprayers (tank also available for positioning on prime mover). Reduces dust produced during milling operations..



# PERFORMER

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## **Performer, the performance optimizer.**

Signals operator how to work with Simex attachments to maximize power and performance (optional).



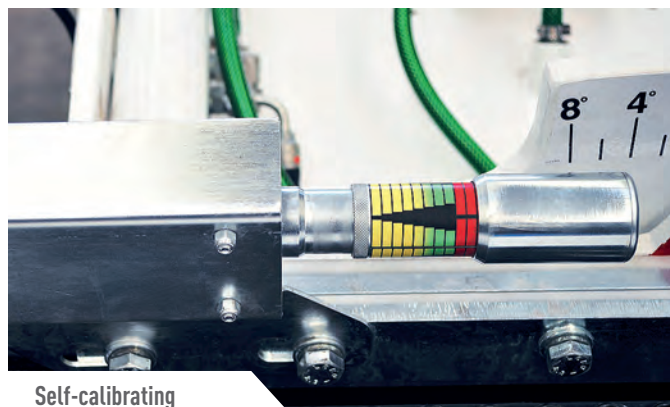
### ■ **Self-calibrating.**

Thanks to the Simex-patented design, the device calibrates itself according to the maximum pressure of the prime mover carrying the attachment.

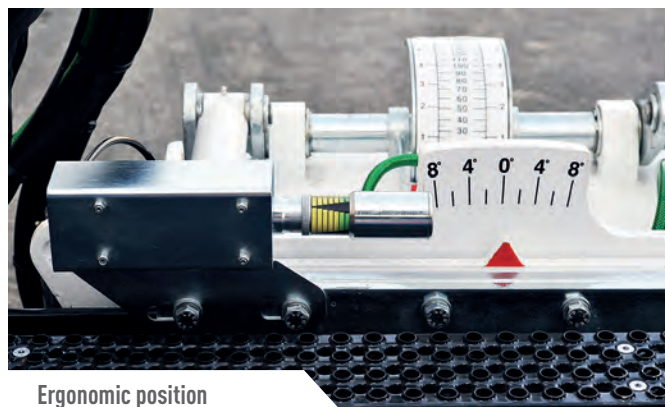
### ■ **Visually friendly.**

Tells the operator how to work with Simex attachments to maximize power and performance. Positioned where the operator can keep a constant eye without being distracted from machine operation. Has different colors and a graphic scale for easy reading.

**With Performer, the operator works better, more productively and faster, and the Simex attachments never lose their efficiency.**



Self-calibrating



Ergonomic position





Use on loader/backhoe



Standard flow planer



Dust control system





Milling flush with wall



Stabilizer - 250 mm depth



1200 mm width





Milling alongside tramway tracks



Milling under guardrail



## TECHNICAL SPECIFICATIONS

	STANDARD FLOW PLANERS		HIGH FLOW PLANERS		
	PL 25.10	PL 35.15	PL 40.15	PL 45.20	PL 55.20
<b>Standard drum</b>					
Width	250	350	400	450	550
Depth	0-70	0-110	0-150	0-150	0-150
<b>Special drums</b>					
Max. depth with reduced width	130	150	170	200	200
Depth adjustment	independent left and right, mechanical - hydraulic optional				
Side shift	mech./hydr.*	mech./hydr.*	mech./hydr.*	hydraulic	hydraulic
Transverse tilt	-	autom*	autom*	autom./hydr.*	autom./hydr.*
Tilt	-	16° *	16°	16°	16°
<b>Weight standard version</b>	350	590	660	790	840
<b>Weight version with integrated water kit (1)</b>	-	750	820	950	1000
<b>Required oil flow</b>	30-60	45-75	65-140	65-140	70-140
<b>Required oil pressure (2)</b>	240-160	240-160	240-170	300-160	300-160
Water spray dust control system	Kit for mini-loader cab with electric pump or integrated in side shift with electric pump				

(\*) On request

(1) User is responsible for ensuring that the equipment meets the prime mover's specifications and weight requirements.





Conveyor belt - the trench is cleared and the material is discharged to the side



Fine milling - multi-teeth drum for surface texturing or removal of road surface marking.

HIGH POWER PLANERS FOR								
MILLING			SCARIFICATION		HIGH DEPTH	STABLIZATION		
PL 50.20	PL 60.20	PL 75.20	PL 1000	PL 1200	PL 40.35	PL 60.25	PL 100.25	
500	600	750	1000	1200	400	600	1000	mm
0-170	0-170	0-170	0-130	0-130	100-350	0-230	0-230	mm
230	230	230	130	130	350	250	250	mm
independent left and right, mechanical - hydraulic optional								
hydraulic	hydraulic	hydraulic	hydraulic	hydraulic	hydraulic	hydraulic	hydraulic	
autom./hydr.*	autom./hydr.*	autom./hydr.*	autom./hydr.*	autom./hydr.*	autom./hydr.*	autom./hydr.*	autom./hydr.*	
16°	16°	16°	16°	16°	16°	16°	16°	
900	950	1050	1090	1210	1150	1200	1650	kg
1060	1110	1210	1250	1370	1310	1360	1810	kg
90-160	90-160	110-180	95-200	110-200	90-180	90-160	95-200	l/min
300-160	300-160	300-180	350-180	350-180	320-180	300-180	350-180	BAR

Kit for mini-loader cab with electric pump or integrated in side shift with electric pump

2) Pressure must be inversely proportional to the flow rate available and vice versa.