



www.weinbrenner-maschinenbau.de

Weinbrenner Maschinenbau GmbH
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THE COMPLETE PRODUCT LINE

WPS

Environmentally friendly. Smart. This is how we do it.



01

%100 ELECTRIC DRIVE
Cost effective

02

**USER FRIENDLY
TOUCH SCREEN**
Ergonomic control

03

**UP TO 50% ENERGY SAVING,
LOW CO2 EMISSIONS**
Effective in all ways

04

**MORE THAN 30% HIGHER
PRODUCTIVITY**
Effective production



08

BELT & PULLEY SYSTEM
Proven system

07

**NO HARMFUL
HYDRAULIC OIL**
Environment friendly

06

NOISELESS OPERATION
Operator comfort

05

**FULL WORKING LENGTH
BACKGAUGE**
Flexibility

WPS "Belt and Pulley Drive System"				
WPS SERIES	15040	20050	26080	31100
Bending Force	40 tons	50 tons	80 tons	100 tons
Motor Output (Power)	2x5.5 kW	2x5.5 kW	2x5.5 kW	2x5.5 kW
Bending Length	1530 mm	2040 mm	2550 mm	3050 mm
Inside Frames	1790 mm	2300 mm	2810 mm	3350 mm
Side Frame Width	1850 mm	1850 mm	1850 mm	1850 mm
Machine Height	2525 mm	2525 mm	2525 mm	2525 mm
Bed Height	930/(1015*) mm	930/(1015*) mm	930/(1015*) mm	930/(1015*) mm
Daylight Opening	590/(505*) mm	590/(505*) mm	590/(505*) mm	590/(505*) mm
Max. Stroke Adjustment	300/(240*) mm	300/(240*) mm	300/(240*) mm	300/(240*) mm
Table Width	60 mm	60 mm	60 mm	60 mm
Throat Gap	O Frame	O Frame	O Frame	O Frame
Approach Speed	170 mm/s	150 mm/s	90 mm/s	75 mm/s
Working Speed	10/20** mm/s	10/20** mm/s	10/20** mm/s	10/20** mm/s
Return Speed	170 mm/s	150 mm/s	90 mm/s	75 mm/s
Approximate Weight	4.800 kg	5.600 kg	6,400 kg	7,200 kg

WPB

All electric. High-speed movement by the ball screw drive



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BALL SCREW MECHANISM
Proven Mechanism

07

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**FULL WORKING LENGTH
BACKGAUGE**
Flexibility

WPB "Ball Screw Mechanism"		
WPB SERIES	9020	13036
Bending Force	20 tons	36 tons
Bending Length	900 mm	1300 mm
Motor Output (Power)	5.5 kW	2x5.5 kW
Inside Frames	1020 mm	960 mm
Side Frame Width	1700 mm	1700 mm
Machine Height	2350 mm	2350 mm
Bed Height	790 mm	790 mm
Daylight Opening	430 mm	430 mm
Max. Stroke Adjustment	150 mm	150 mm
Table Width	40 mm	40 mm
Throat Gap	400 mm	400 mm
Approach Speed	150 mm/s	150 mm/s
Working Speed	10/20** mm/s	10/20** mm/s
Return Speed	150 mm/s	150 mm/s
Approximate Weight	3.000 kg	4.350 kg

WFL

New design providing higher productivity through high speed and high accuracy.

01

EXTREMELY FAST

High speed cutting of steel up to 4.0G acceleration with multiple kW options between 6kW-20kW

02

HIGH PERFORMANCE

Best cutting quality, high accuracy and productivity without compromises on the whole thickness

03

PROFITABILITY

Low operating costs thanks to energy efficiency and reduced maintenance

04

FLEXIBILITY

Suitable for a wide range of materials, including highly-reflective metals and high thickness mild steel

05

PRODUCTIVITY

Compared with conventional drive systems, high dynamic linear drive increases productivity on thin sheets (+20%)

06

ACCURACY

Excellent cutting quality and dynamics on all materials



WFL	
WFL SERIES	
Working area	1.500 mm x 3.000 mm
Laser Power	6 kW - 20 kW
Cutting Head	Precitec ProCutter 2.0 (Optionally ProCutter Zoom 2.0)
CNC Control Unit	Beckhoff CNC (18.5" TFT-Windows 1)
Linear motors and Drivers	Beckhoff
Linear Rails	Bosch Rexroth
Rapid Traverse	170 m/min.
Vector Speed	240 m/min.
Acceleration	4.0 G (40m/s ²)
Absolute Positioning Accuracy	± 0.01 mm
Repeatability	± 0.01 mm
Feed Rate	Programmable up to 150 m/min
Transfer Table Motorized	Motorized - Automatic Exchange
Max. Load Capacity	1250 kg for Each Table
Nesting Software	LANTEK Expert Cut II / Metalix AutoNest PRO
Nozzle Cleaning and Calibration	Automatic
Fume extractor	Optional
Bevel Cutting Head	Not Applicable

Materials	Maximum Cutting Capacities					
	6 kw	8 kw	10 kw	12 kw	15 kw	20 kw
Mild Steel	25 mm	25 mm	30 mm	35 mm	35 mm	40 mm
Stainless Steel	20 mm	25 mm	30 mm	35 mm	35 mm	40 mm
Aluminum	20 mm	25 mm	30 mm	35 mm	35 mm	35 mm
Copper	8 mm	12 mm	16 mm	20 mm	20 mm	20 mm
Brass	12 mm	16 mm	16 mm	20 mm	20 mm	25 mm