

# FINN-POWER

- PUNCHING
- LASER CUTTING
- **BENDING**
- INTEGRATED PUNCHING & SHEARING
- INTEGRATED PUNCHING & LASER CUTTING
- FLEXIBLE MANUFACTURING SYSTEMS



**FINN-POWER® EB**  
**TECHNICAL DATA**

## Express Bender Technical Data

Type	EB3	EB5	EB6
Maximum bending length	1650 mm (64")	2550 mm (100")	3250 mm (127")
Minimum length between bends <sup>(1)</sup>	350 mm (13.7")	350 mm (13.7")	350 mm (13.7")
Minimum width between bendsm <sup>(1)</sup>	140 mm (5.5")	160 mm (6.2")	160 mm (6.2")
Sheet length (min...max.)	370 ... 1800 mm (14.5 ... 70.8")	370 ... 2850 mm (14.5 ... 112.2")	370 ... 3700 mm (14.5 ... 145.6")
Sheet width (min...max.)	160 ... 1200 mm (6.2 ... 47.2")	180 ... 1500 mm (7.0 ... 59")	200 ... 1700 mm (7.8 ... 66.9")
Maximum panel diagonal	2000 mm (78.7")	3000 mm (118.1")	3900 mm (153.5")
Maximum bend height <sup>(1)</sup>			
SH Type	200 mm (7.8")	200 mm (7.8")	200 mm (7.8")
EH Type		250 mm (9.8")	
Maximum re-entering bend <sup>(1)</sup>	55 mm (2.1")	55 mm (2.1")	55 mm (2.1")
Maximum sheet weight	34 kg (75 lbs)	101 kg (223 lbs)	101 kg (223 lbs)
Maximum stack height <sup>(2)</sup>	220 mm (8.6")	220 mm (8.6")	220 mm (8.6")
Maximum stack weight <sup>(2)</sup>	3000 kg (6,613 lbs)	3000 kg (6,613 lbs)	3000 kg (6,613 lbs)
Sheet planarity	10 mm (0.39")	10 mm (0.39")	10 mm (0.39")
Maximum material thickness			
Fe 37 steel,	2.0 mm (0.078")	3.2 mm (0.125")	2.5 mm (0.098")
Stainless steel	1.5 mm (0.059")	2.2 mm (0.086")	1.8 mm (0.070")
Aluminium	3.0 mm (0.118")	4.0 mm (0.157")	3.0 mm (0.118")
Minimum material thickness	0.5 mm (0.020")	0.5 mm (0.020")	0.6 mm (0.023")
Minimum external radius			
(x sheet thickness)	1.5 ... 2	1.5 ... 2	1.5 ... 2
Bending angle	-135° ... +135°	-135° ... +135°	-135° ... +135°
Maximum number of bends per side	20	20	20
Angle tolerance <sup>(3)</sup>	± 0°40'	± 0°40'	± 0°40'
Bend dimension tolerance	± 0.2 mm (± 0.008")	± 0.2 mm (± 0.008")	± 0.25 mm (± 0.01")
Straightness and parallelism	0.25 mm / linear m (0.01" / 3 ft)	0.25 mm / linear m (0.01" / 3 ft)	0.25 mm / linear m (0.01" / 3 ft)
Power			
Average absorbed <sup>(4)</sup>	24 kW	27 kW	30 kW
Voltage (50/60Hz)	400 V	400 V	400 V
Main switch		160 A	160 A
Compressed air consumption, ½"	60 NI/min (2.2 cfm)	60 NI/min (2.2 cfm)	65 NI/min (2.3 cfm)
Compressed air pressure	6 bar (90 psi)	6 bar (90 psi)	6 bar (90 psi)

<sup>(1)</sup> = These values cannot coexist in a single construction

<sup>(2)</sup> = Standalone machines only

<sup>(3)</sup> = Angle tolerance is not measurable on the first bend

<sup>(4)</sup> = These values are based on average piece dimensions and on average batch production.



FINN-POWER, Combi FMS, Bendcam, Bendterm, Ecobend, Ecocut, Ecopunch, Express, ISC, Multi-Tool, NC Express, Night Train FMS, Shear Genius and Shear Brilliance are registered trademarks. All other product names identified throughout this publication are trademarks or registered trademarks of their respective owners.

*Flexibly yours*



**Finn-Power Oy**  
P.O. Box 38  
FIN-62201 Kauhava  
FINLAND

Tel. + 358 6 428 2111  
Fax + 358 6 428 2244  
[www.finn-power.com](http://www.finn-power.com)