

FINN-POWER

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



**FINN-POWER FastBend
– THE NEW ERA IN
MANUAL BENDING**

SPEED, FLEXIBILITY, EASE OF OPERATION



Finn-Power's experience in applying servo electric technology in automatic panel bending solutions has made it possible to revolutionize traditional manual bending.

The new FastBend replaces the press brake with the automatic bending technology which allows more bends for each side in an automatic sequence without any manual intervention including positive/negative inversion, smashing and radius bend; only the loading, rotation and unloading are manual. The result is quality, speed and elimination of mistakes.

With options ATC (automatic tool change) and barcode reader the machine makes set up automatically and activates a new part program. The clear and logical screen instructions facilitate and speed up operation further as well as support fast self learning.

FastBend requires no foundation and is very fast and easy to install. Average energy consumption is similar to a press brake and with its compact layout the machine offers a reduced impact on the manufacturing environment.

The machine can be operated in two different modes. In the standard mode the part is automatically fed during the bending sequence of every side. In the press brake mode the sheet is

moved manually bend by bend, which allows the processing of the very narrow profiles.

Bending principle

For optimum product quality two bending principles are available:

“Rolling mode” with a wider contact surface between the blade and the sheet but no relative friction.

“Circular mode” where the contact point on the panel remains the same, while the one of the blade changes during the bending movement.

Rolling mode



Circular mode





Some FastBend benefits

- Favourable energy saving
- Very low maintenance costs
- Excellent component quality
- Lower tooling costs
- High reliability
- Easy and intuitive programming
- Servo electrical motor with air cooling
- No influence by thermal conditions
- Possible upgrade with industrial robot automation
- Reduced impact on the manufacturing environment (minimum noise and vibrations)

TECHNICAL DATA

Type	FBe4	FBe5
Standard operative mode		
Max. bending length	2,150 mm	2,550 mm
Min. bending length		
with re-entering bend	350 mm	350 mm
without re-entering bend	200 mm	200 mm
Min. bending width	140 mm	140 mm
Bending height	200 mm	200 mm
Max. re-entering bend	55 mm	55 mm
Max. thickness to bend:		
Steel (410 N/mm ²)	2.5 mm	3.2 mm
Stainless steel (680 N/mm ²)	1.8 mm	2.2 mm
Aluminum (295 N/mm ²)	3.5 mm	4 mm
Min. thickness to bend	0.5 mm	0.5 mm
Bending angles	± 130°	± 130°
Max. number of bends per side	Unlimited	Unlimited
Angle tolerance	± 0°25'	± 0°25'
Bend dimension tolerance	± 0.15 mm	± 0.15 mm
Siemens numerical control	Sinumerik 840D Solution Line	Sinumerik 840D Solution Line
Average absorbed consumption	6 kW	7 kW
Voltage	400 V	400 V
Press brake operative mode		
Min. bending width for profile		
with AUT tools	45 mm	45 mm
Max. bending height		
First side	45 mm	45 mm
Second side	200 mm	200 mm

Flexibly yours®



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