

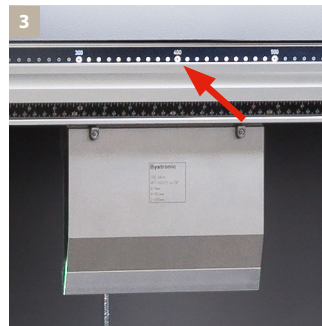
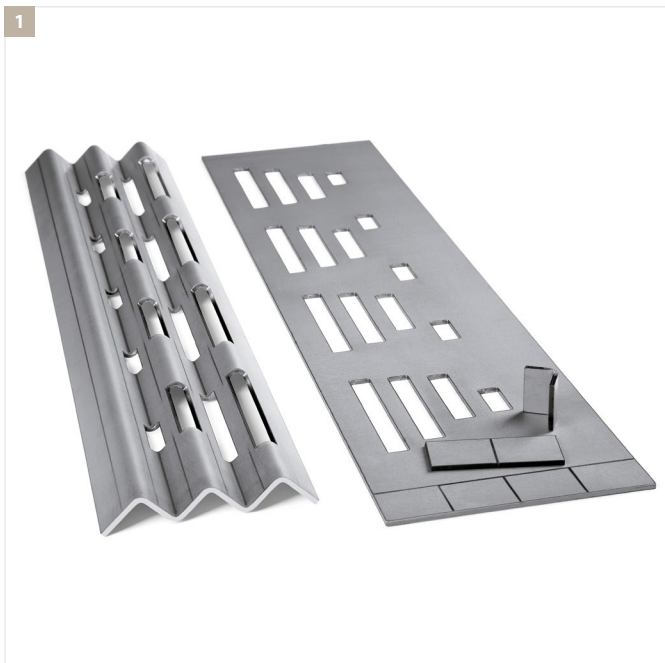


Xpert

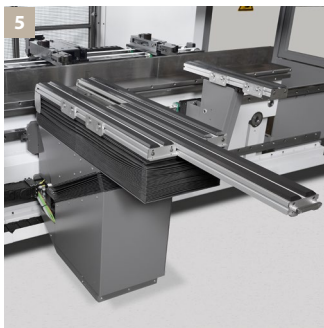
Top-of the-range machine with very high position and repetition accuracy

Customer benefits

- Worldwide, the most extensive database, which can be simply expanded with additional material characteristics and parameters
- The only machine that does not produce angle errors. It offers the highest repetition accuracy on the market
- First class bending results thanks to pressure reference technology with fully automatic dynamic crowning
- The wide range of equipment packages guarantee a customer-specific and flexible machine specification
- At the press of a single button, perfect bend results are achieved independent of operator knowledge
- Fully comprehensive CAD/CAM: there are only six mouse clicks between 3D data file and 3D part



- 1 Hydraulic dynamic crowning
- 2 Detachable Bending line laser
- 3 Optical bend guiding system
- 4 Tablet Control
- 5 Bending aids
- 6 Laser angle measuring system with automatic correction LAMS
- 7 PartID (part identification)



Xpert
250, 320, 400, 500, 650, 800, 1000

Tonnage	250–1000 t
Bending length	3,100–10,200 mm
Open height	500–650 mm
Standard stroke	215–365 mm
Max. high speed	130 mm/s
Max. working speed	10 mm/s



Xpert Technical Data





	Xpert 250/5100	Xpert 250/6200	Xpert 320/5100	Xpert 320/6200	Xpert 320/7200
Length	5,880 mm	6,880 mm	5,880 mm	6,880 mm	7,880 mm
Width	2,185 mm	2,185 mm	2,200 mm	2,200 mm	2,200 mm
Height	3,455 mm	3,580 mm	3,380 mm	3,480 mm	3,680 mm
Tonnage	2,500 kN	2,500 kN	3,200 kN	3,200 kN	3,200 kN
Bending length	5,100 mm	6,200 mm	5,100 mm	6,200 mm	7,200 mm
Standard stroke	265 mm	265 mm	265 mm	265 mm	265 mm
Open height	550 mm	550 mm	550 mm	550 mm	550 mm
Distance between the side stands	4,600 mm	5,100 mm	4,600 mm	5,100 mm	6,100 mm
Throat	400 mm	400 mm	400 mm	400 mm	400 mm
Table width	60 mm	60 mm	60 mm	60 mm	60 mm
Max. backgauge range in X (2/4/5 axes)	1,100 mm	1,100 mm	1,100 mm	1,100 mm	1,100 mm
X-axis travel (2/4/5 axes)	700 mm	700 mm	700 mm	700 mm	700 mm
X-axis speed (2/4/5 axes)	500 mm/s	500 mm/s	500 mm/s	500 mm/s	500 mm/s
X-axis accuracy (2/4/5 axes)	0.02 mm	0.02 mm	0.02 mm	0.02 mm	0.02 mm
R-axis travel (2/4/5 axes)	250 mm	250 mm	250 mm	250 mm	250 mm
R-axis speed (2/4/5 axes)	150 mm/s	150 mm/s	150 mm/s	150 mm/s	150 mm/s
R-axis accuracy (2/4/5 axes)	0.1 mm	0.1 mm	0.1 mm	0.1 mm	0.1 mm
Z-axis travel	3,900 mm	4,400 mm	3,700 mm	4,400 mm	5,400 mm
Z-axis speed (4/5 axes)	1,000	1,000	1,000	1,000	1,000
Z-axis accuracy (4/5 axes)	0.1 mm	0.1 mm	0.1 mm	0.1 mm	0.1 mm
Max. Y-rapid traverse	130	130	130	130	130
Max. Y-working speed	1–10	1–10	1–10	1–10	1–10
Y-return speed	115	115	130	130	130
Y-axis accuracy	0.01 mm	0.01 mm	0.01 mm	0.01 mm	0.01 mm
Oil capacity	600 l	650 l	600 l	650 l	700 l
Main motor power	22 kW	22 kW	30 kW	30 kW	30 kW
Weight	26 t	30 t	29 t	36 t	43 t
Side frame underfloor	0 mm	0 mm	0 mm	0 mm	0 mm
Lower beam underfloor	200 mm	250 mm	170 mm	430 mm	530 mm

The right to make changes to dimensions, construction, and equipment is reserved. ISO-9001-certified.

The technical data can vary in the different countries, according to local security rules and configuration of the machine.



	Xpert 400/3100	Xpert 400/4100	Xpert 400/5100	Xpert 400/6200	Xpert 400/7200	Xpert 400/8200
Length	3,880 mm	4,880 mm	5,880 mm	6,880 mm	7,880 mm	8,880 mm
Width	2,200 mm	2,200 mm	2,200 mm	2,200 mm	2,200 mm	2,200 mm
Height	3,230 mm	3,230 mm	3,380 mm	3,380 mm	3,580 mm	3,780 mm
Tonnage	4,000 kN	4,000 kN	4,000 kN	4,000 kN	4,000 kN	4,000 kN
Bending length	3,100 mm	4,100 mm	5,100 mm	6,200 mm	7,200 mm	8,200 mm
Standard stroke	265 mm	265 mm	265 mm	265 mm	265 mm	265 mm
Open height	550 mm	550 mm	550 mm	550 mm	550 mm	550 mm
Distance between the side stands	2,600 mm	3,600 mm	4,600 mm	5,100 mm	6,100 mm	7,100 mm
Throat	400 mm	400 mm	400 mm	400 mm	400 mm	400 mm
Table width	60 mm	60 mm	60 mm	60 mm	60 mm	60 mm
Max. backgauge range in X (2/4/5 axes)	1,100 mm	1,100 mm	1,100 mm	1,100 mm	1,100 mm	1,100 mm
X-axis travel (2/4/5 axes)	700 mm	700 mm	700 mm	700 mm	700 mm	700 mm
X-axis speed (2/4/5 axes)	500 mm/s	500 mm/s	500 mm/s	500 mm/s	500 mm/s	500 mm/s
X-axis accuracy (2/4/5 axes)	0.02 mm	0.02 mm	0.02 mm	0.02 mm	0.02 mm	0.02 mm
R-axis travel (2/4/5 axes)	250 mm	250 mm	250 mm	250 mm	250 mm	250 mm
R-axis speed (2/4/5 axes)	150 mm/s	150 mm/s	150 mm/s	150 mm/s	150 mm/s	150 mm/s
R-axis accuracy (2/4/5 axes)	0.1 mm	0.1 mm	0.1 mm	0.1 mm	0.1 mm	0.1 mm
Z-axis travel	1,900 mm	2,900 mm	3,700 mm	4,400 mm	5,400 mm	6,400 mm
Z-axis speed (4/5 axes)	1,000 mm/s	1,000 mm/s	1,000 mm/s	1,000 mm/s	1,000 mm/s	1,000 mm/s
Z-axis accuracy (4/5 axes)	0.1 mm	0.1 mm	0.1 mm	0.1 mm	0.1 mm	0.1 mm
Max. Y-rapid traverse	120 mm/s	120 mm/s	120 mm/s	120 mm/s	120 mm/s	120 mm/s
Max. Y-working speed	1–10 mm/s	1–10 mm/s	1–10 mm/s	1–10 mm/s	1–10 mm/s	1–10 mm/s
Y-return speed	100 mm/s	100 mm/s	100 mm/s	100 mm/s	100 mm/s	100 mm/s
Y-axis accuracy	0.01 mm	0.01 mm	0.01 mm	0.01 mm	0.01 mm	0.01 mm
Oil capacity	550 l	600 l	600 l	650 l	700 l	1,000 l
Main motor power	30 kW	30 kW	30 kW	30 kW	30 kW	30 kW
Weight	26 t	27 t	35 t	43 t	50 t	61 t
Side frame underfloor	0 mm	0 mm	0 mm	0 mm	0 mm	0 mm
Lower beam underfloor	0 mm	170 mm	550 mm	600 mm	700 mm	900 mm

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	Xpert 800/5100	Xpert 800/6200	Xpert 800/7200	Xpert 800/8200
Length	5,800 mm	7,000 mm	8,000 mm	9,000 mm
Width	3,025 mm	3,025 mm	3,025 mm	3,025 mm
Height	4,080 mm	4,080 mm	4,280 mm	4,480 mm
Tonnage	8,000 kN	8,000 kN	8,000 kN	8,000 kN
Bending length	5,100 mm	6,200 mm	7,200 mm	8,200 mm
Standard stroke	365 mm	365 mm	365 mm	365 mm
Open height	650 mm	650 mm	650 mm	650 mm
Distance between the side stands	4,400 mm	5,100 mm	6,100 mm	7,100 mm
Throat	500 mm	500 mm	500 mm	500 mm
Table width	110 mm	110 mm	110 mm	110 mm
Max. backgauge range in X (2/4/5 axes)	1,100 mm	1,100 mm	1,100 mm	1,100 mm
X-axis travel (2/4/5 axes)	700 mm	700 mm	700 mm	700 mm
X-axis speed (2/4/5 axes)	500 mm/s	500 mm/s	500 mm/s	500 mm/s
X-axis accuracy (2/4/5 axes)	0.04 mm	0.04 mm	0.04 mm	0.04 mm
R-axis travel (2/4/5 axes)	250 mm	250 mm	250 mm	250 mm
R-axis speed (2/4/5 axes)	150 mm/s	150 mm/s	150 mm/s	150 mm/s
R-axis accuracy (2/4/5 axes)	0.1 mm	0.1 mm	0.1 mm	0.1 mm
Z-axis travel	3,700 mm	4,400 mm	5,400 mm	6,400 mm
Z-axis speed (4/5 axes)	1,000 mm/s	1,000 mm/s	1,000 mm/s	1,000 mm/s
Z-axis speed (6 axes)	800 mm/s	800 mm/s	800 mm/s	800 mm/s
Z-axis accuracy (4/5 axes)	0.1 mm	0.1 mm	0.1 mm	0.1 mm
Max. Y-rapid traverse	80 mm/s	80 mm/s	80 mm/s	80 mm/s
Max. Y-working speed	1–10 mm/s	1–10 mm/s	1–10 mm/s	1–10 mm/s
Y-return speed	95 mm/s	95 mm/s	95 mm/s	95 mm/s
Y-axis accuracy	0.01 mm	0.01 mm	0.01 mm	0.01 mm
Oil capacity	1,300 l	1,300 l	1,600 l	1,600 l
Main motor power	55 kW	55 kW	55 kW	55 kW
Weight	69 t	73 t	86 t	103 t
Side frame underfloor	510 mm	510 mm	510 mm	510 mm
Lower beam underfloor	1,050 mm	1,150 mm	1,350 mm	1,550 mm

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	Xpert 1000/5100	Xpert 1000/6200	Xpert 1000/7200	Xpert 1000/8200	Xpert 1000/9200	Xpert 1000/10200
Length	6,100 mm	7,000 mm	8,000 mm	9,000 mm	10,000 mm	11,000 mm
Width	3,250 mm	3,250 mm	3,250 mm	3,250 mm	3,250 mm	3,250 mm
Height	4,580 mm	4,680 mm	4,880 mm	4,880 mm	5,280 mm	5,280 mm
Tonnage	10,000 kN	10,000 kN	10,000 kN	10,000 kN	10,000 kN	10,000 kN
Bending length	5,100 mm	6,200 mm	7,200 mm	8,200 mm	9,200 mm	10,200 mm
Standard stroke	365 mm	365 mm	365 mm	365 mm	365 mm	365 mm
Open height	650 mm	650 mm	650 mm	650 mm	650 mm	650 mm
Distance between the side stands	4,200 mm	5,100 mm	6,100 mm	7,100 mm	8,100 mm	9,100 mm
Throat	500 mm	500 mm	500 mm	500 mm	500 mm	500 mm
Table width	110 mm	110 mm	110 mm	110 mm	110 mm	110 mm
Max. backgauge range in X (2/4/5 axes)	1,100 mm	1,100 mm	1,100 mm	1,100 mm	1,100 mm	1,100 mm
X-axis travel (2/4/5 axes)	700 mm	600 mm	600 mm	600 mm	600 mm	600 mm
X-axis speed (2/4/5 axes)	500 mm/s	500 mm/s	500 mm/s	500 mm/s	500 mm/s	500 mm/s
X-axis accuracy (2/4/5 axes)	0.04 mm	± 0.04 mm	± 0.04 mm	± 0.04 mm	± 0.04 mm	± 0.04 mm
R-axis travel (2/4/5 axes)	250 mm	250 mm	250 mm	250 mm	250 mm	250 mm
R-axis speed (2/4/5 axes)	150 mm/s	150 mm/s	150 mm/s	150 mm/s	150 mm/s	150 mm/s
R-axis accuracy (2/4/5 axes)	0.1 mm	± 0.1 mm	± 0.1 mm	± 0.1 mm	± 0.1 mm	± 0.1 mm
Z-axis travel	3,500 mm	4,400 mm	5,400 mm	6,400 mm	7,400 mm	8,400 mm
Z-axis speed (4/5 axes)	1,000 mm/s	1,000 mm/s	1,000 mm/s	1,000 mm/s	1,000 mm/s	1,000 mm/s
Z-axis speed (6 axes)	800 mm/s	800 mm/s	800 mm/s	800 mm/s	800 mm/s	800 mm/s
Z-axis accuracy (4/5 axes)	0.1 mm	± 0.1 mm	± 0.1 mm	± 0.1 mm	± 0.1 mm	± 0.1 mm
Max. Y-rapid traverse	70 mm/s	70 mm/s	70 mm/s	70 mm/s	70 mm/s	70 mm/s
Max. Y-working speed	1–10 mm/s	1–10 mm/s	1–10 mm/s	1–10 mm/s	1–10 mm/s	1–10 mm/s
Y-return speed	70 mm/s	70 mm/s	70 mm/s	70 mm/s	70 mm/s	70 mm/s
Y-axis accuracy	0.01 mm	± 0.01 mm	± 0.01 mm	± 0.01 mm	± 0.01 mm	± 0.01 mm
Oil capacity	1,600 l	1,600 l	1,600 l	1,600 l	1,800 l	2,000 l
Main motor power	75 kW	75 kW	75 kW	75 kW	75 kW	75 kW
Weight	90 t	100 t	115 t	125 t	140 t	160 t
Side frame underfloor	510 mm	1,000 mm	1,000 mm	1,000 mm	1,000 mm	1,000 mm
Lower beam underfloor	1,200 mm	1,250 mm	1,250 mm	1,750 mm	2,050 mm	2,050 mm

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Bending tools

Use the right tools to achieve perfect bending results when air bending, embossing, and 3-point bending. Original tools from Bystronic are capable of unleashing the full potential of the machine's features, in order to ensure that your parts are always bent with utmost precision.

Customer benefits

- The quality of our tools is specifically designed and tested for Bystronic press brakes and your applications
- Bystronic bending tools (available with a variety of clamping types) are flexible and versatile, in order to cover your applications
- Original tool plus bending data: With every bending tool, you also receive the relevant import data for your press brake's software
- For particularly challenging applications, our tool specialists will be glad to advise and support you with the design of customized solutions
- The special production process and the high-strength quenched and tempered steel of our tools guarantee a long service life even under tough conditions
- The right tool for your product: You show us the product you want to manufacture, we recommend the suitable bending tool setup
- Bystronic bending tools can also be used with third-party press brakes. For this purpose, Bystronic offers its tools with various clamping styles