



# Xpert Pro

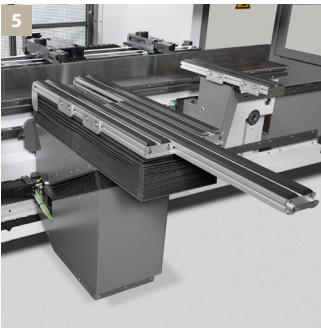
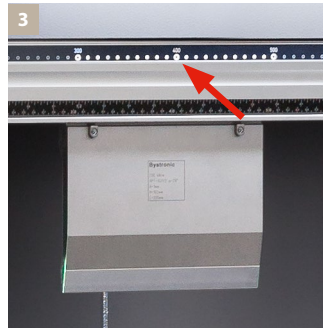
## Bending technology for highest demands on process speed and flexibility

### Customer benefits

- Maximum flexibility and performance. Various configurations and a comprehensive range of performance options for every requirement and field of bending application
- Consistently high bending quality. The Xpert Pro's dynamic crowning and patented pressure reference technology offer bending with maximum repetition accuracy
- Precision from the very first part. Intelligent assistant functions, such as the material curve generator and the LAMS angle measuring system, guarantee bending results with the highest precision while requiring only very few operating steps
- Highest degree of operating convenience and transparent process control thanks to the intuitive BySoft Cell Control Bend user interface. A touch screen provides all the information required for the fast processing both of individual orders and extensive order lists
- Convenient offline programming of bending jobs. Subsequently, simple data import in BySoft Cell Control Bend without interrupting the running production process



- 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)



Process speed





	Xpert Pro Extended 100/3100	Xpert Pro 100/3100	Xpert Pro Extended 150/3100	Xpert Pro 150/3100	Xpert Pro Extended 200/3100	Xpert Pro 200/3100
Tonnage	1,000 kN	1,000 kN	1,500 kN	1,500 kN	2,000 kN	2,000 kN
Bending length	3,100 mm	3,100 mm	3,100 mm	3,100 mm	3,100 mm	3,100 mm
Standard stroke	450 mm	250 mm	450 mm	250 mm	450 mm	250 mm
Open height	840 mm	640 mm	840 mm	640 mm	840 mm	640 mm

	Xpert Pro Extended 200/4300	Xpert Pro 200/4300	Xpert Pro Extended 250/3100	Xpert Pro 250/3100	Xpert Pro Extended 250/4300	Xpert Pro 250/4300
Tonnage	2,000 kN	2,000 kN	2,500 kN	2,500 kN	2,500 kN	2,500 kN
Bending length	4,300 mm	4,300 mm	3,100 mm	3,100 mm	4,300 mm	4,300 mm
Standard stroke	450 mm	250 mm	450 mm	250 mm	450 mm	250 mm
Open height	840 mm	640 mm	840 mm	640 mm	840 mm	640 mm

	Xpert Pro Extended 320/3100	Xpert Pro 320/3100	Xpert Pro Extended 320/4300	Xpert Pro 320/4300
Tonnage	3,200 kN	3,200 kN	3,200 kN	3,200 kN
Bending length	3,100 mm	3,100 mm	4,300 mm	4,300 mm
Standard stroke	450 mm	250 mm	450 mm	250 mm
Open height	840 mm	640 mm	840 mm	640 mm



# Xpert Pro Technical Data





	Xpert Pro Extended 100/3100	Xpert Pro 100/3100	Xpert Pro Extended 150/3100	Xpert Pro 150/3100	Xpert Pro Extended 200/3100	Xpert Pro 200/3100
Length	4,180 mm	4,180 mm	4,180 mm	4,180 mm	4,240 mm	4,240 mm
Width	2,000 mm	2,000 mm	2,000 mm	2,000 mm	2,000 mm	2,000 mm
Height	3,420 mm	2,820 mm	3,420 mm	2,820 mm	3,660 mm	3,060 mm
Tonnage	1,000 kN	1,000 kN	1,500 kN	1,500 kN	2,000 kN	2,000 kN
Bending length	3,100 mm	3,100 mm	3,100 mm	3,100 mm	3,100 mm	3,100 mm
Standard stroke	450 mm	250 mm	450 mm	250 mm	450 mm	250 mm
Open height	840 mm	640 mm	840 mm	640 mm	840 mm	640 mm
Distance between side frames	2,750 mm	2,750 mm	2,750 mm	2,750 mm	2,750 mm	2,750 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. back gauge range X-axis (2/4/5-axis)	1,050 mm	1,050 mm	1,050 mm	1,050 mm	1,050 mm	1,050 mm
X-axis travel (2/4/5-axis)	600 mm	600 mm	600 mm	600 mm	600 mm	600 mm
X-axis speed for 2/4/5/6-axis (up to)	650 mm/s	650 mm/s	650 mm/s	650 mm/s	650 mm/s	650 mm/s
X-axis accuracy (2/4/5-axis)	0.04 mm	0.04 mm	0.04 mm	0.04 mm	0.04 mm	0.04 mm
R-axis travel (2/4/5-axis)	250 mm	250 mm	250 mm	250 mm	250 mm	250 mm
R-axis speed for 2/4/5-axis (up to)	200 mm/s	200 mm/s	200 mm/s	200 mm/s	200 mm/s	200 mm/s
R-axis accuracy (2/4/5-axis)	0.1 mm	0.1 mm	0.1 mm	0.1 mm	0.1 mm	0.1 mm
Z-axis travel	1,900 mm	1,900 mm	1,900 mm	1,900 mm	1,900 mm	1,900 mm
Z-axis speed for 4/5-axis (up to)	1,500 mm/s	1,500 mm/s	1,500 mm/s	1,500 mm/s	1,500 mm/s	1,500 mm/s
Z-axis speed for 6-axis (up to)	1,200 mm/s	1,200 mm/s	1,200 mm/s	1,200 mm/s	1,200 mm/s	1,200 mm/s
Z-axis accuracy (4/5-axis)	0.1 mm	0.1 mm	0.1 mm	0.1 mm	0.1 mm	0.1 mm
Accuracy Y-axis	0.004 mm	0.004 mm	0.004 mm	0.004 mm	0.004 mm	0.004 mm
Oil capacity	300 l	300 l	300 l	300 l	450 l	450 l
Electrical supply ByTower	15 kW	15 kW	19 kW	19 kW	22 kW	22 kW
Electric supply (Dynamic edition)	19 kW	19 kW	22 kW	22 kW	26 kW	26 kW
Weight	13.2 t	12.2 t	13.2 t	12.2 t	19.3 t	17.3 t
Proposed foot print approx. (Length)	6,000 mm	6,000 mm	6,000 mm	6,000 mm	6,000 mm	6,000 mm
Proposed foot print approx. (Width)	4,500 mm	4,500 mm	4,500 mm	4,500 mm	4,500 mm	4,500 mm
Proposed foot print approx. (Height)	4,000 mm	3,400 mm	4,000 mm	3,400 mm	4,100 mm	3,500 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 Pro Extended 200/4300	Xpert Pro 200/4300	Xpert Pro Extended 250/3100	Xpert Pro 250/3100	Xpert Pro Extended 250/4300	Xpert Pro 250/4300
Length	5,240 mm	5,240 mm	4,240 mm	4,240 mm	5,240 mm	5,240 mm
Width	2,000 mm	2,000 mm	2,000 mm	2,000 mm	2,000 mm	2,000 mm
Height	3,660 mm	3,060 mm	3,660 mm	3,060 mm	3,660 mm	3,060 mm
Tonnage	2,000 kN	2,000 kN	2,500 kN	2,500 kN	2,500 kN	2,500 kN
Bending length	4,300 mm	4,300 mm	3,100 mm	3,100 mm	4,300 mm	4,300 mm
Standard stroke	450 mm	250 mm	450 mm	250 mm	450 mm	250 mm
Open height	840 mm	640 mm	840 mm	640 mm	840 mm	640 mm
Distance between side frames	3,750 mm	3,750 mm	2,750 mm	2,750 mm	3,750 mm	3,750 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. back gauge range X-axis (2/4/5-axis)	1,050 mm	1,050 mm	1,050 mm	1,050 mm	1,050 mm	1,050 mm
X-axis travel (2/4/5-axis)	600 mm	600 mm	600 mm	600 mm	600 mm	600 mm
X-axis speed for 2/4/5/6-axis (up to)	650 mm/s	650 mm/s	650 mm/s	650 mm/s	650 mm/s	650 mm/s
X-axis accuracy (2/4/5-axis)	0.04 mm	0.04 mm	0.04 mm	0.04 mm	0.04 mm	0.04 mm
R-axis travel (2/4/5-axis)	250 mm	250 mm	250 mm	250 mm	250 mm	250 mm
R-axis speed for 2/4/5-axis (up to)	200 mm/s	200 mm/s	200 mm/s	200 mm/s	200 mm/s	200 mm/s
R-axis accuracy (2/4/5-axis)	0.1 mm	0.1 mm	0.1 mm	0.1 mm	0.1 mm	0.1 mm
Z-axis travel	2,900 mm	2,900 mm	1,900 mm	1,900 mm	2,900 mm	2,900 mm
Z-axis speed for 4/5-axis (up to)	1,500 mm/s	1,500 mm/s	1,500 mm/s	1,500 mm/s	1,500 mm/s	1,500 mm/s
Z-axis speed for 6-axis (up to)	1,200 mm/s	1,200 mm/s	1,200 mm/s	1,200 mm/s	1,200 mm/s	1,200 mm/s
Z-axis accuracy (4/5-axis)	0.1 mm	0.1 mm	0.1 mm	0.1 mm	0.1 mm	0.1 mm
Accuracy Y-axis	0.004 mm	0.004 mm	0.004 mm	0.004 mm	0.004 mm	0.004 mm
Oil capacity	450 l	450 l	450 l	450 l	450 l	450 l
Electrical supply ByTower	22 kW	22 kW	26 kW	26 kW	26 kW	26 kW
Electric supply (Dynamic edition)	26 kW	26 kW	34 kW	34 kW	34 kW	34 kW
Weight	22.3 t	20.3 t	19.3 t	17.3 t	22.3 t	20.3 t
Proposed foot print approx. (Length)	7,000 mm	7,000 mm	6,000 mm	6,000 mm	7,000 mm	7,000 mm
Proposed foot print approx. (Width)	4,500 mm	4,500 mm	4,500 mm	4,500 mm	4,500 mm	4,500 mm
Proposed foot print approx. (Height)	4,200 mm	3,600 mm	4,100 mm	3,500 mm	4,200 mm	3,600 mm

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	Xpert Pro Extended 320/3100	Xpert Pro 320/3100	Xpert Pro Extended 320/4300	Xpert Pro 320/4300
Length	4,260 mm	4,260 mm	5,260 mm	5,260 mm
Width	2,000 mm	2,000 mm	2,000 mm	2,000 mm
Height	3,750 mm	3,150 mm	3,750 mm	3,170 mm
Tonnage	3,200 kN	3,200 kN	3,200 kN	3,200 kN
Bending length	3,100 mm	3,100 mm	4,300 mm	4,300 mm
Standard stroke	450 mm	250 mm	450 mm	250 mm
Open height	840 mm	640 mm	840 mm	640 mm
Distance between side frames	2,750 mm	2,750 mm	3,750 mm	3,750 mm
Throat	400 mm	400 mm	400 mm	400 mm
Table Width	60 mm	60 mm	60 mm	60 mm
Max. back gauge range X-axis (2/4/5-axis)	1,050 mm	1,050 mm	1,050 mm	1,050 mm
X-axis travel (2/4/5-axis)	600 mm	600 mm	600 mm	600 mm
X-axis speed for 2/4/5/6-axis (up to)	650 mm/s	650 mm/s	650 mm/s	650 mm/s
X-axis accuracy (2/4/5-axis)	0.04 mm	0.04 mm	0.04 mm	0.04 mm
R-axis travel (2/4/5-axis)	250 mm	250 mm	250 mm	250 mm
R-axis speed for 2/4/5-axis (up to)	200 mm/s	200 mm/s	200 mm/s	200 mm/s
R-axis accuracy (2/4/5-axis)	0.1 mm	0.1 mm	0.1 mm	0.1 mm
Z-axis travel	1,900 mm	1,900 mm	2,900 mm	2,900 mm
Z-axis speed for 4/5-axis (up to)	1,500 mm/s	1,500 mm/s	1,500 mm/s	1,500 mm/s
Z-axis speed for 6-axis (up to)	1,200 mm/s	1,200 mm/s	1,200 mm/s	1,200 mm/s
Z-axis accuracy (4/5-axis)	0.1 mm	0.1 mm	0.1 mm	0.1 mm
Accuracy Y-axis	0.004 mm	0.004 mm	0.004 mm	0.004 mm
Oil capacity	600 l	600 l	600 l	600 l
Electrical supply ByTower	34 kW	34 kW	34 kW	34 kW
Electric supply (Dynamic edition)	41 kW	41 kW	41 kW	41 kW
Weight	23.1 t	20.6 t	27.3 t	24.3 t
Proposed foot print approx. (Length)	6,000 mm	6,000 mm	7,000 mm	7,000 mm
Proposed foot print approx. (Width)	4,500 mm	4,500 mm	4,500 mm	4,500 mm
Proposed foot print approx. (Height)	4,200 mm	3,600 mm	4,200 mm	3,600 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