

TOX[®] FlexPress Station

Data sheet 60.30

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Standard configuration

Designation	TOX® FlexPress Station
Operating side	Right <ul style="list-style-type: none"> ■ UDI Panel ■ Control panel ■ Switch cabinet opening
Safety function	2-hand control system with 3-sided protection
Press force range <ul style="list-style-type: none"> ■ TOX® ElectricPowerDrive 	Up to 200 kN
Press frames <ul style="list-style-type: none"> ■ modular C-bracket series ■ 2 and 4 column presses 	Up to 200 kN Up to 200 kN
Control box	Integrated into the press housing
Decentralized installation plate	Integrated into the rear panel for customer-specific extensions
Display	15" UDI panel
Display mount	<ul style="list-style-type: none"> ■ Upward and downward inclination ■ Swiveling ■ Height adjustable to 3 positions
Integrated machine lighting	Display of the process status: <ul style="list-style-type: none"> ■ White - ready for operation ■ Blue - process active ■ Green - process OK ■ Red - process error
Integrated traffic light	For displaying the machine status
Rigid base frame	As a seated or standing workstation

Technical data

Drive	EXe-K 010	EQe-K 010	EXe-K 030	EQe-K 030	EXe-K 060	EQe-K 060	EXe-K 100	EQe-K 100	EXe-K 200
Mechanics									
Nominal pressing force [kN]	10		30		60		100		200
Nominal pulling force [kN]	3		8		17		30		60
Maximum speed [mm/s]	300	220	280	200	250	150	250	150	120
Acceleration/deceleration [mm/s]	3000	2000	3000	2000	3000	2000	3000	1000	1000
Distance repeat accuracy ¹⁾					0.01				
Max. tool weight [kg]									
without brake ²⁾	10		15		25	40	50	45	100
with safety/motor holding brake ³⁾	25		125		300	500	500	850/1000	1000
Sensors									
Force transducer (strain gauge) measuring range ⁴⁾ [kN]	0.1 - 10		0.3 - 30		0.6 - 60		1 - 100		2 - 200
System accuracy ⁵⁾	<0.5% of nominal pressing force	<1% of nominal pressing force	<0.5% of nominal pressing force	<1% of nominal pressing force	<0.5% of nominal pressing force	<1% of nominal pressing force	<0.5% of nominal pressing force	<1% of nominal pressing force	<0.5% of nominal pressing force
Resolver Resolution (theoretical) [mm]	0.00198	0.00158	0.00185	0.00148	0.00185	0.00123	0.00185	0.00148	0.00106
Electrical									
Protection class					IP 54				
Power supply connection					3 x 400 V				
Climatic conditions					+ 10 to + 40 °C				
Back-up fuse	16 A				32 A				63 A
Process monitoring system					TOX® ProcessMonitor				
Control system					TOX® SystemControl Core, TOX® UDI Panel 15" (Touch)				

¹⁾ In thermal transient condition

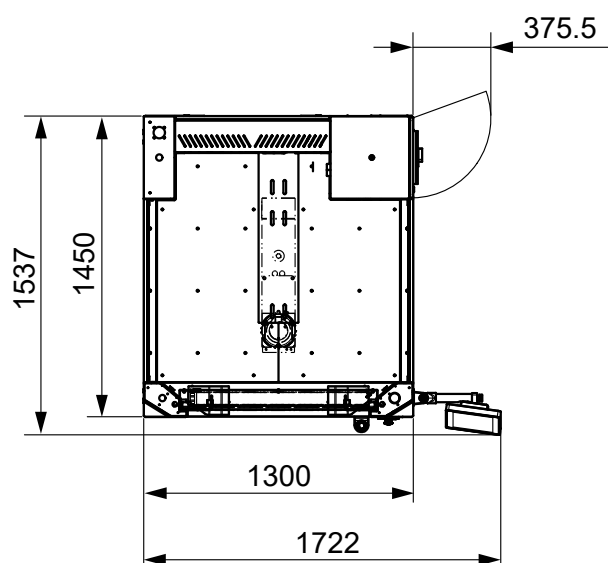
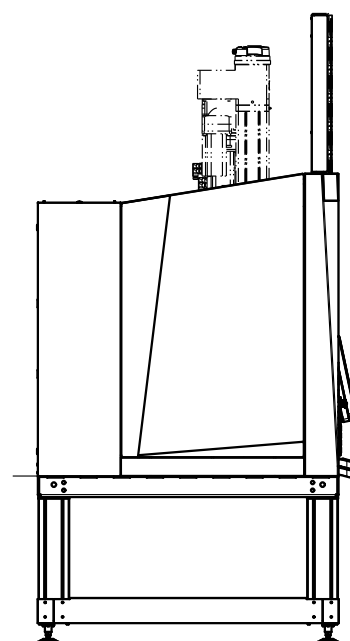
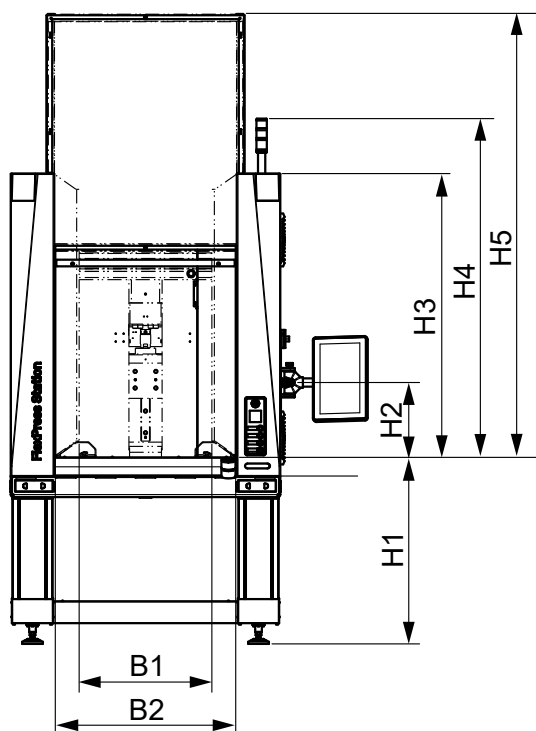
²⁾ At heavier weights, the tool may sink when de-energized

³⁾ Higher tool weights available on request

⁴⁾ Recommended operating range 1 – 100%

⁵⁾ Calibrated for pressing forces based on TOX® calibration stand

Dimensions



H1	840 - 1140	
H2	360	
H3	1370	
H4	1634	With light curtain or 2-hand start - total height depends on drive type and press frame
H5	2140	For electrical safety guard doors
B1	640	With a 2-hand start (standard requirement)
B2	870	With light curtain or electrical safety guard door

Optional accessories

Area	Option	Individualization	Safety	Ergonomics	Scalability
Switch cabinet	■ Opening to rear right	X			
	■ Opening to rear left	X			
	■ Opening to side left	X			
Operating side	■ Mounting of the display and switch cabinet on the left side	X		X	X
Operation	■ 21" display	X		X	
	■ Electrically height-adjustable base frame	X		X	
	■ Customized height of the base frame	X		X	
	■ 2-hand control system with contactless buttons		X	X	
	■ Control panels with up to 4 functions	X	X		X
Construction area access	■ Light curtain		X		
	■ Electrical safety guard door		X		
Additional features	■ Customer NOK box		X		X
	■ Sequence control in combination with a TOX® ElectricPowerDrive				X
	■ Expansion of inputs and outputs	X			X
	■ TOX standard fieldbus interface	X			X
	■ Traffic light illumination for displaying the machine status	X	X		
	■ Customer specific machine status	X	X		
	■ Barcode scanner	X		X	X
	■ Remote ubiquity	X	X		X
	■ Arrangement of several TOX® FlexPress Station as a production line	X			X
	■ Adaptation of external supply and discharge technology	X			X
	■ Manual sliding table	X	X	X	X
	■ Power supply cable set (5 m/10 m/15 m)				X