

Hydr. press brake type APHS PRO

Best
Quality



Rigidly welded, monoblock steel frame construction for minimum deflection under load. Downstroking bending beam with two cylinders made from high-quality forged steel and precisely honed for best precision. Ram travel fully supported in low friction fiber slideways and full electronic synchronisation with proportional valve technology assuring maximum bend accuracy and repeatability through constant monitoring and correction of beam parallelism by CNC system.

Stroke-depth measurement through high-precision linear scales CNC-controlled backgauge on ball screw spindles with DC drive. Block-type European hydraulics and compactly-wired electrical box with ventilation. Full conformity with EU Machinery Directive for safety and certified CE marking.

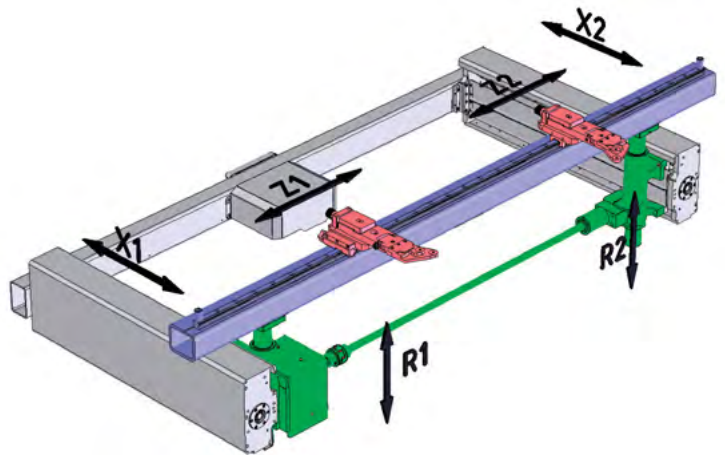


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(A) Backgauge system with X-axes:

- Travel on ballscrew spindles
- AC-motor driven
- Two micrometric stop-fingers with height and lateral adjustment
- Range : 750 mm
- Travel speed (max) : 330 mm/s
- Positioning precision : ± 0.03 mm



(B) Backgauge system with X-R axes:

- Travel on ballscrew spindles
- DC-motor driven
- Two micrometric stop-fingers with lateral adjustment

- Range:

X-axis : 750 mm
R-axis : 160 mm

- Travel speed (max)

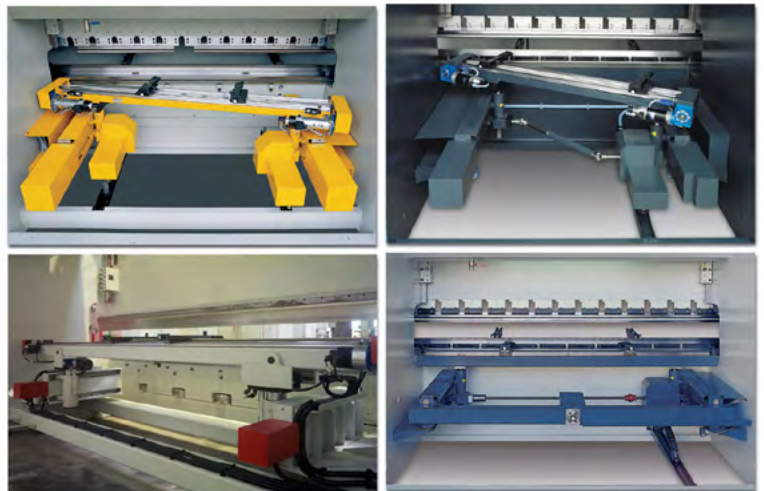
X-axis : 350 mm/s
R-axis : 240 mm/s

- Positioning precision

X-axis : ± 0.03 mm
R-axis : ± 0.05 mm

(C) Extra backgauge axes:

X-R-Z1-Z2 axes



Examples of backgauges

Standard:

- CNC control ESA S675 with 21" screen
- European-style top tool holders with wedges
- Sectioned (gooseneck) punch and multi-vee die block (all tooling precisely ground)
- Operation console with double foot-switch
 - Linear front-arm guides
- Electrically-interlocked side and rear guards

Optional:

- Manual or power-driven (CNC) crowning tables
 - Top tool manual quick-release clamps
 - Hydraulic tool clamping systems
- Special tooling for customer applications:
 - Special-profile top and bottom tools
 - Single-vee dies with table adapters
- Front light guards or front laser protection for enhanced safety

CNC unit

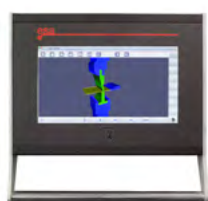
Graphical control with full programming and machine control facilities in a user-friendly computer environment. Main features include:

Programmable multi-axis control.

- Y1-Y2 cylinder axes
- X1-X2-R1-R2-Z1-Z2 backgauge axes
- CNC crowning axis
- Modular expansion for additional axes
- High memory capacity for program steps and tooling data
 - High number of product and bend repeat possibility
- Direct graphical programming with automatic computation of all axis positions and bend sequence in full graphic simulation
 - Manual operation of all axes
 - Teach-in on all axes
 - Operator selectable languages
 - Integrated diagnostic software
 - Memory storage on USB flashdisk

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ESA S675



Delem DA-66T
3D Windows



Delem DA-69T
3D Windows



Cybelec
VisiTouch 19

- VisiTouch 19, 2D graphic with 19" user-friendly HMI with intuitive programming, 3D visualisation and simulation of imported programs.
- VisiTouch 19 MX, full 3D programming, visualisation and simulation. Import of DXF, IGES, STEP and SAT-files. Automatic process with complex parts.

Art. no	Type	Cap.	Working length	Stroke	Daylight	Gap	Dist. btw. frames	Oil tank	Speed	Rapid traverse	Motor	Weight
	APHS PRO	kN	mm	mm	mm	mm	mm	L	mm/s	mm/s	kw	kg
23450	1254x40	400	1250	215	455	410	1070	80	10	160	4	3300
23452	2104x60	600	2100	210	475	410	1600	140	10	150	5,5	5400
23454	2604x60	600	2600	210	475	410	2050	140	10	160	5,5	6200
23456	2606x90	900	2600	260	530	410	2050	140	10	150	7,5	7100
23458	3104x90	900	3100	260	530	410	2550	140	10	160	7,5	7900
23460	3106x120	1200	3100	260	530	410	2550	140	10	160	11	8400
23462	3108x160	1600	3100	260	530	410	2550	210	10	160	15	9700
23464	3110x200	2000	3100	260	530	410	2550	210	10	150	18,5	10000
23466	3112x240	2400	3100	260	530	410	2550	210	10	130	22	11000
23468	3116x300	3000	3100	320	660	500	2550	280	8	110	22	15000
23470	3120x440	4400	3100	320	575	500	2550	450	8	80	30	22000
23482	4106x160	1600	4100	260	530	410	3550	210	10	170	15	12000
23484	4108x200	2000	4100	260	530	410	3550	210	10	160	18,5	12500
23486	4110x240	2400	4100	260	530	410	3550	210	10	150	22	14000
23488	4112x300	3000	4100	320	635	500	3550	280	8	120	22	18500
23490	4116x440	4400	4100	320	590	500	3550	450	10	80	30	26000
23492	6104x160	1600	6100	260	510	500	5100	240	10	140	15	20000
23494	6106x240	2400	6100	260	5100	500	5100	300	8	140	22	25000
23496	6108x300	3000	6100	320	560	500	5100	300	8	120	22	30000
23498	6110x380	3800	6100	320	570	500	5100	450	8	90	30	35000

Bigger models available upon request