

PPEC



Precision Hydraulic Press Brakes

Meeting the demands of a constantly changing marketplace requires flexibility, reliability and the use of advanced production techniques that ensure end-product quality.

LVD press brakes represent the latest in bending technology, providing industry with the means to respond to an ever-evolving marketplace.

The latest addition to our comprehensive range of press brakes is the new PPEC.

LVD's simple to use new PPEC press brakes provide capacities from 90 tons, 78" up to 240 tons, 168" with 4 to 7 CNC controlled axes, depending upon machine model. LVD's V-axis crowning system is fitted to PPEC-5 and PPEC-7 models to ensure parallel and consistent bending results over the different tonnage levels.

Rigid Frame Design

- Press brakes up to 240 tons are designed and built utilizing a welded one-piece frame, machined without repositioning, guaranteeing machine precision.
- Hydraulic cylinders are machined from a solid steel billet.
- Pistons are steel forgings, precision ground and micropolished for years of trouble-free service.

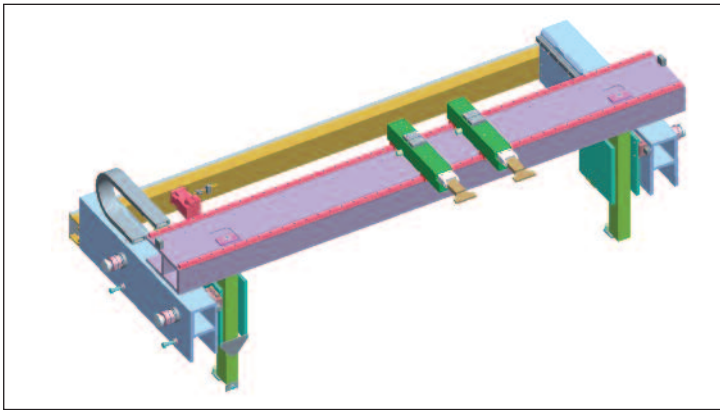
Microprocessor Technology for Optimum Precision

- Servo-controlled using state-of-the-art hydraulics and electronics to ensure perfect control of the bending process.
- Double bed referenced encoders are connected to the bed in such a way that deformation of the side frames during bending does not influence the positioning accuracy of .0004" of the upper beam (Y1-Y2).

With LVD press brakes, you obtain an optimal bending process and excellent bending results — from the first piece.

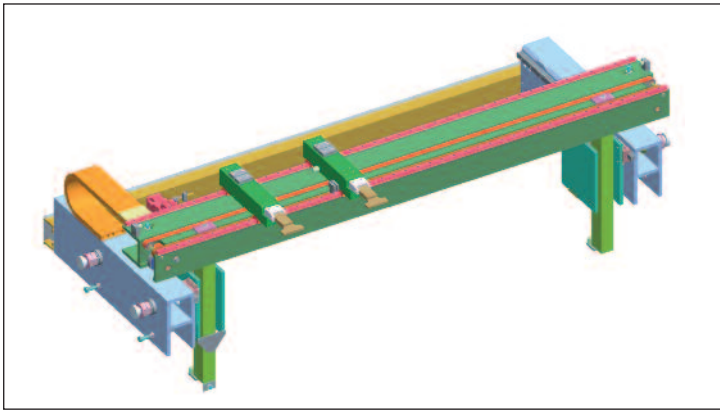


Backgauges

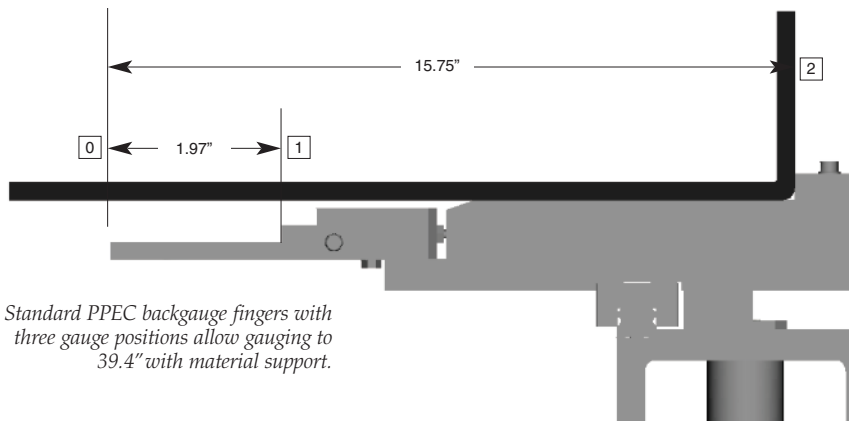


X duo-R

- Solid construction
- Allows depth (X-axis) and height (R-axis) positioning
- Standard 2 backgauge fingers
- Additional fingers can be fitted on the 2-axis backgauge
- 4 axis backgauge adds Z1-Z2 CNC motorized backgauge movement



X duo-R-Z1-Z2



Standard PPEC backgauge fingers with three gauge positions allow gauging to 39.4" with material support.

CADMAN® LITE CONTROL

The new CADMAN® Lite control is based upon the same easy-to-use platform as LVD's full featured CADMAN® Touch control. Featuring a number of the same key features as seen in CADMAN® Touch, CADMAN® Lite utilizes LVD's new and highly successful graphical user interface to provide a simple and truly intuitive user experience for operators.

Key advantages

- Easy to use
- Intuitive
- Fast programming
- Highly reliable
- Network compatible

Some key features

- 2D graphical programming
- Quick Bend programming
- Automatic collision detection
- Network connection to LVD CADMAN-B 3D offline software (optional)



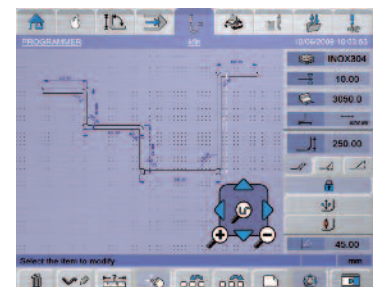
Selection menu



Tooling database



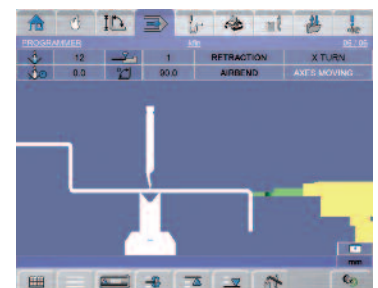
Quick Bend programming



Graphic editor

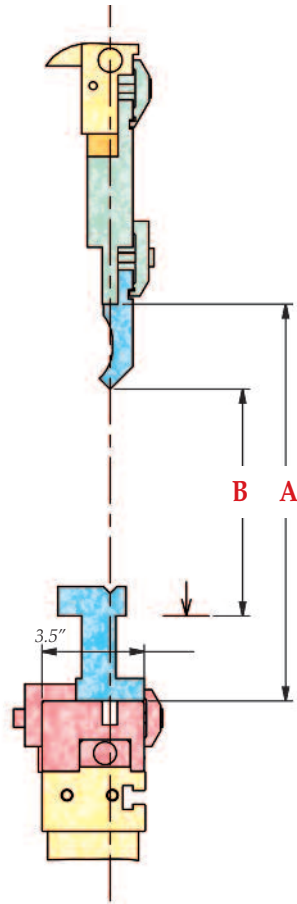


Manual bending sequence



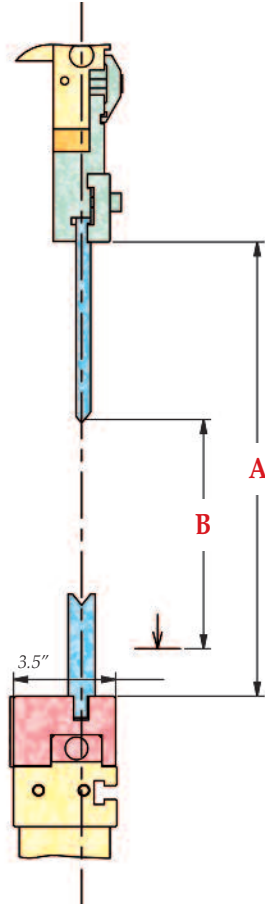
Graphic simulation

Universal-style Tooling



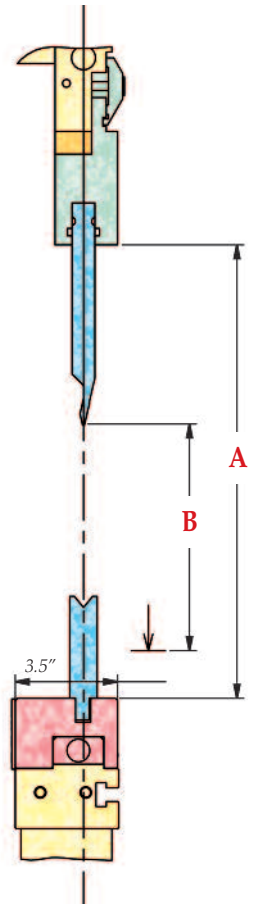
Capacity	A Distance	B Stroke
80-220 T	13.8"	7.9"

US-style Tooling



Capacity	A Distance	B Stroke
80-220 T	15.7"	7.9"

Vertical-style Tooling



S P E C I F I C A T I O N S

Type		80/20	80/25	110/30	135/30	135/42	170/30	170/42	220/30	220/42
Pressing force	ton	90	90	120	150	150	190	190	240	240
Working length	inch	78	98	120	120	168	120	168	120	168
Distance between uprights	inch	61	80	102	102	150	102	150	102	150
Stroke	inch	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
Distance table/ram	inch	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6
Gap	inch	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
Approach speed	inch/min.	307	307	236	236	236	236	236	236	236
Working speed*	inch/min.	35	35	26	26	26	24	24	24	24
Return speed	inch/min.	354	354	236	236	236	236	236	260	260
Motor	HP	15	15	15	15	15	20	20	24	24
Oil	Gal	59	59	73	73	73	86	86	99	99

* For CE-countries working speed is limited according to safety norm.
Specifications subject to change without notice.

HEADQUARTERS

Strippit Inc.
12975 Clarence Center Rd.
USA-AKRON NY 14001
UNITED STATES
Tel. + 1 716 5424511
Fax + 1 716 5425957
e-mail: info@strippit.com

LVD Company nv
Nijverheidslaan 2
B-8560 GULLEGEM
BELGIUM
Tel. + 32 56 43 05 11
Fax + 32 56 43 25 00
e-mail: info@lvd.be

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