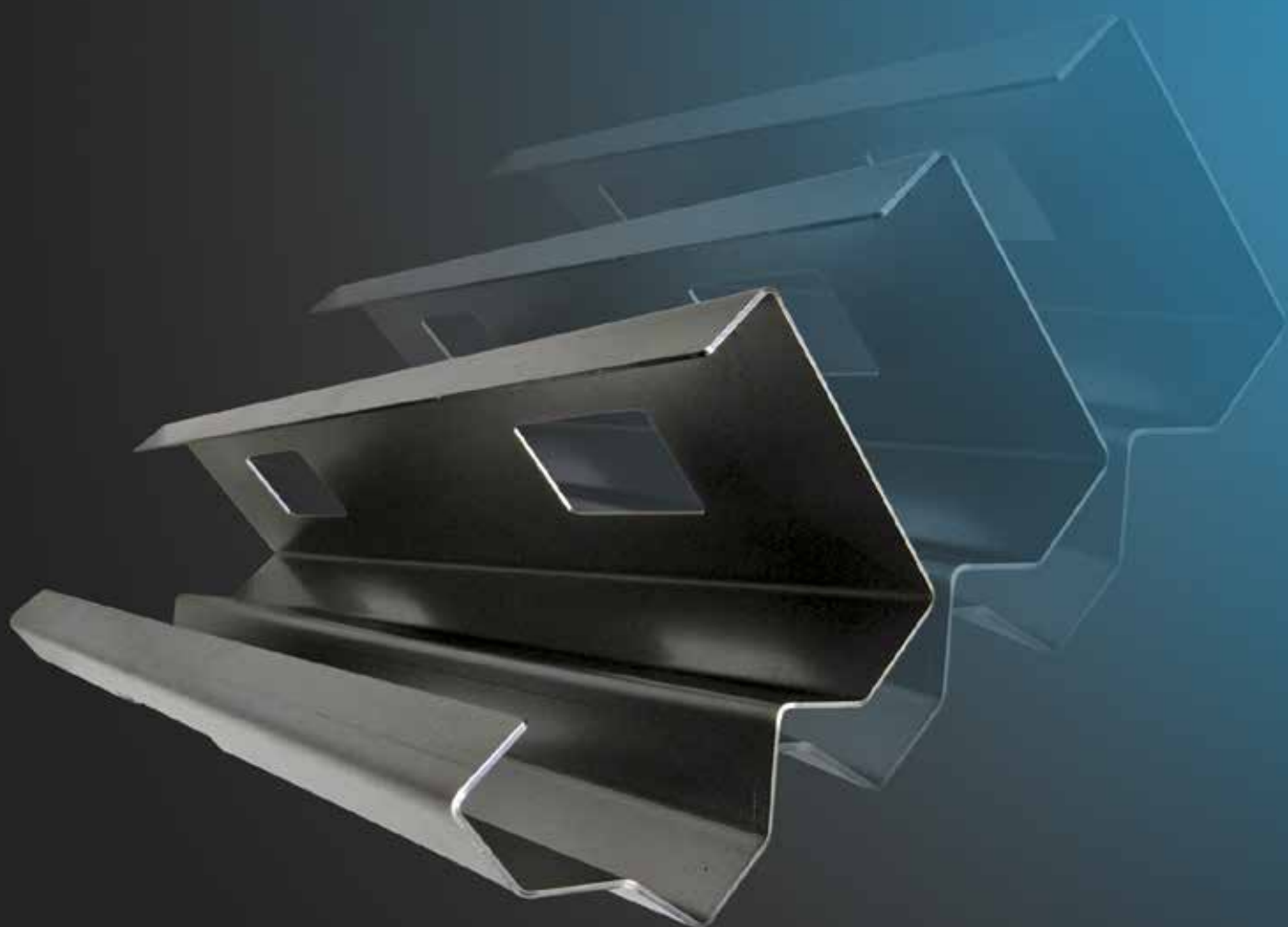*Hydraulic press brakes*

PPED SERIES

ACCURATE, ECONOMICAL BENDING

LVD

PPED SERIES
ACCURATE, ECONOMICAL BENDING

Practical and easy to use, PPED press brakes are ideal for a wide range of bending jobs. The rigid construction and servo-controlled hydraulic system offer accurate and consistent bending results.

INTUITIVE CONTROL
The graphical 15" TOUCH-B control is user-friendly and makes full use of the machine's bending capabilities.
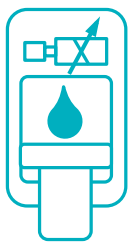
SERVO-CONTROLLED HYDRAULIC SYSTEM
The hydraulic components are machined in-house to a high standard from a solid steel billet. The hardened steel pistons are precisely finished and micropolished for a lifetime of trouble-free service.

RIGID FRAME DESIGN

All PPED models are designed and built utilising a welded one-piece frame machined without repositioning and stress relieved to guarantee machine precision.

CNC CROWNING

PPED-5 and PPED-7 models with bending lengths of 3 metres and up are equipped with an in-house developed and machined, tailor-made V-axis crowning system.

BACKGAUGE

The newly designed backgauge is a robust construction featuring 2-axis (X, R) or 4-axis (X, R, Z1, Z2) configurations for greater flexibility and increased productivity.

PPED PART QUALITY

PROGRAMMABLE X,R OR X, R, Z1, Z2 BACKGAUGE

The PPED has 3 models (PPED-4, PPED-5 and PPED-7) with either 2 or 4 standard backgauge axes. A multi-axis backgauge offers more flexibility and reduces machine setup time across simple to complex bending jobs.

TOUCH-B CONTROL

LVD's touch screen control is simple to operate with a graphical, icon-driven user interface. It provides synchronised control of the machine allowing positioning of all available axes. The operator can create 2D drawings and simulate in 3D on the 15" touch screen. Users can also work with standard and custom parametric programs to offer rapid programming. Different bending modes, air bending, bottoming and coining, can be selected to suit varying application requirements.

TOUCH-B works with the centralised database and is compatible with CADMAN-JOB and CADMAN-B.

CNC CROWNING

PPED-5 and PPED-7 models with bending lengths of 3 metres and up, are equipped as standard with an in-house developed and machined, tailor-made crowning system. Sheet thickness, bend length, die opening and tensile strength data are entered into the TOUCH-B control to determine the amount of crowning required to compensate for bed and ram deflection.

LINEAR ENCODERS

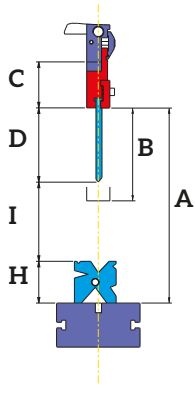High-precision linear encoders provide high positioning accuracy and repeat-ability.

CAPACITIES
FROM 50 TO 320 TONS

LAZERSAFE SYSTEM

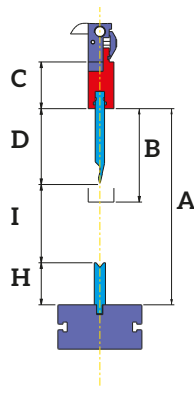An intelligent safety system that uses laser scanning technology to provide a safe working zone.
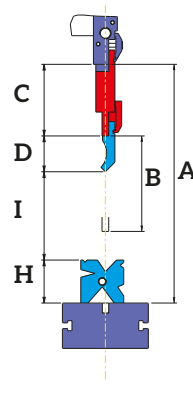
TOOLING STYLES

LVD STYLE

W STYLE

UNIVERSAL

LVD STYLE	style	max. load	A	B	C	D	H	I
PPED 50-80	LVD10	100 T/m	400	200	100	159	70	171
PPED 135-165-200	LVD10	100 T/m	400	200	100	159	90	151
PPED 260-320	LVD15	100 T/m	570	300	100	194	130	246

W STYLE	style	max. load	A	B	C	D	H	I
PPED 50-80	10W	100 T/m	400	200	100	159	70	171
PPED 135-165-200	10W	100 T/m	400	200	100	159	90	151
PPED 260-320	15W	100 T/m	570	300	100	194	130	246

UNIVERSAL		max. load	A	B	C	D	H	I
PPED 50-80		100 T/m	500	200	180	75	70	175
PPED 135-165-200		100 T/m	500	200	180	75	90	155
PPED 260-320		100 T/m	670	300	210	75	130	255

SPECIFICATIONS

PPED SERIES

		50/20	80/25	135/30	165/30	165/40
Pressing force	kN	500	800	1350	1650	1650
Working length	mm	2000	2500	3050	3050	4000
Distance between uprights	mm	1550	2050	2600	2600	3150
Stroke	mm	200	200	200	200	200
Distance table/ram	mm	500	500	500	500	500
Gap	mm	200	200	250	250	250
Table width	mm	140	140	180	180	180
Maximum load table	kN/m	1000	1000	1000	1000	1000
Working height	mm	930	930	970	970	970
Approach speed*	mm/s	160	130	90	110	110
Working speed**	mm/s	9	10	10	10	10
Return speed	mm/s	95	100	95	100	100
Motor	kW	4	7.5	15	18	18
Oil	L	125	200	275	300	300

		200/30	200/40	260/30	260/40	320/30	320/40
Pressing force	kN	2000	2000	2600	2600	3200	3200
Working length	mm	3050	4000	3050	4000	3050	4000
Distance between uprights	mm	2600	3150	2600	3150	2600	3150
Stroke	mm	200	200	300	300	300	300
Distance table/ram	mm	500	500	670	670	670	670
Gap	mm	300	300	300	300	300	300
Table width	mm	180	180	250	250	250	250
Maximum load table	kN/m	1000	1000	1000	1000	1000	1000
Working height	mm	970	970	1000	1000	1000	1000
Approach speed*	mm/s	100	100	90	90	75	75
Working speed**	mm/s	9	9	10	10	8	8
Return speed	mm/s	90	90	80	80	75	75
Motor	kW	18	18	22	22	22	22
Oil	L	350	350	400	400	400	400

* In CE-countries the machine is always equipped with a safety system.
** For CE-countries working speed is limited to the safety norm.
Specifications subject to change without prior notice.

SOFTWARE INTEGRATION

LVD's database-driven *CADMAN® Suite software* integrates sheet metalworking processes, production control, communication and management. It provides users real-time data to make informed choices, enabling optimised programming and maximised throughput in the workshop.

CADMAN-JOB

CADMAN-JOB connects the front office intakes and processing of orders with the shop floor operations. The software creates or imports production orders from an ERP system allowing users to generate production jobs for bending.

CADMAN-B

After importing a 3D CAD part, CADMAN-B automatically defines inclined, parallel and multi-bends, as well as hemming and preliminary bends. The module can visualise the complete bend process with start to finish collision detection, gauge positions and tool setups.

TOUCH-B control

The speed and simplicity of touch screen technology is combined with the power of a CNC control. TOUCH-B works with the centralised CADMAN database, is compatible with CADMAN-JOB and CADMAN-B and has access to LVD's customer support helpdesk.

TOUCH-i4

TOUCH-i4 is an industrial strength Windows®-based tablet that provides an overview of the entire fabrication workshop. It collects real-time information from your LVD machine(s) powered by the centralised CADMAN database.
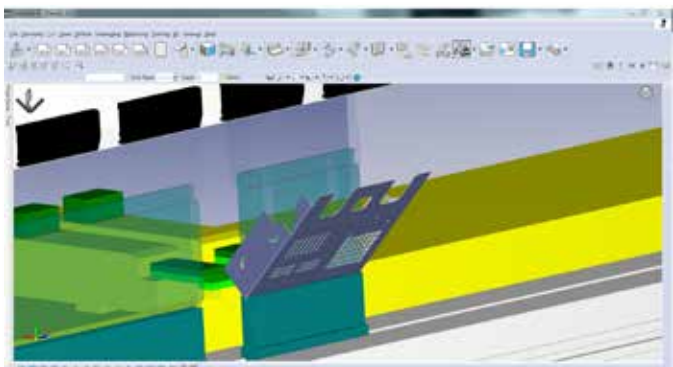
LASER

PUNCH

BEND

INTEGRATE

LVD Company nv, Nijverheidslaan 2, B-8560 GULLEGEM, BELGIUM
Tel. +32 56 43 05 11 - marketing@lvd.be - **www.lvdgroup.com**

For full address details of your local subsidiary or agent, please visit our website.

LVD