

A new generation of CNC shear. High precision, European design, efficient and reliable. High performance CNC hydraulic shear machine.

PRACTICA VARIA



DERATECH

Company
Introduction

**PROBABLY THE BEST PRICE/
QUALITY RATIO IN THE WORLD !**





DERATECH GROUP

Deratech is specialized in designing and manufacturing sheet metal working machines. The Deratech headquarters for research, design and assembly are based in Belgium. Subsidiaries all over the world (Australia, China, Germany, Netherlands, Thailand,...) and carefully selected partners provide a world class advice, sales installation and service.

Shanghai Deratech CNC Machine Tool Co. Ltd, is the new production & technology center of Deratech – Belgium in China. The advanced European design, quality and technology of our R&D center in Belgium together the experienced engineering team of Shanghai Deratech will result in high quality production of sheet metal working machinery. All processing is designed in 3D by our technical department to obtain a high precision on all the manufactured machine parts.

Deratech is your partner in sheet metal working machinery.

**A NEW GENERATION OF CNC SHEAR.
HIGH PRECISION, EUROPEAN DESIGN,
EFFICIENT AND RELIABLE.
HIGH PERFORMANCE
HYDRAULIC SWING BEAM SHEAR.**



Practica, cnc hydraulic shears with oscillating knife beam are sound, heavily built machines. Design and construction guarantee reliable functioning, precise cutting results and a long life span with little maintenance. The oscillating knife beam and the resulting clearance extend the longevity of the knives. The extremely small cutting angle minimizes the distortion when cutting both thin and thick plate material.



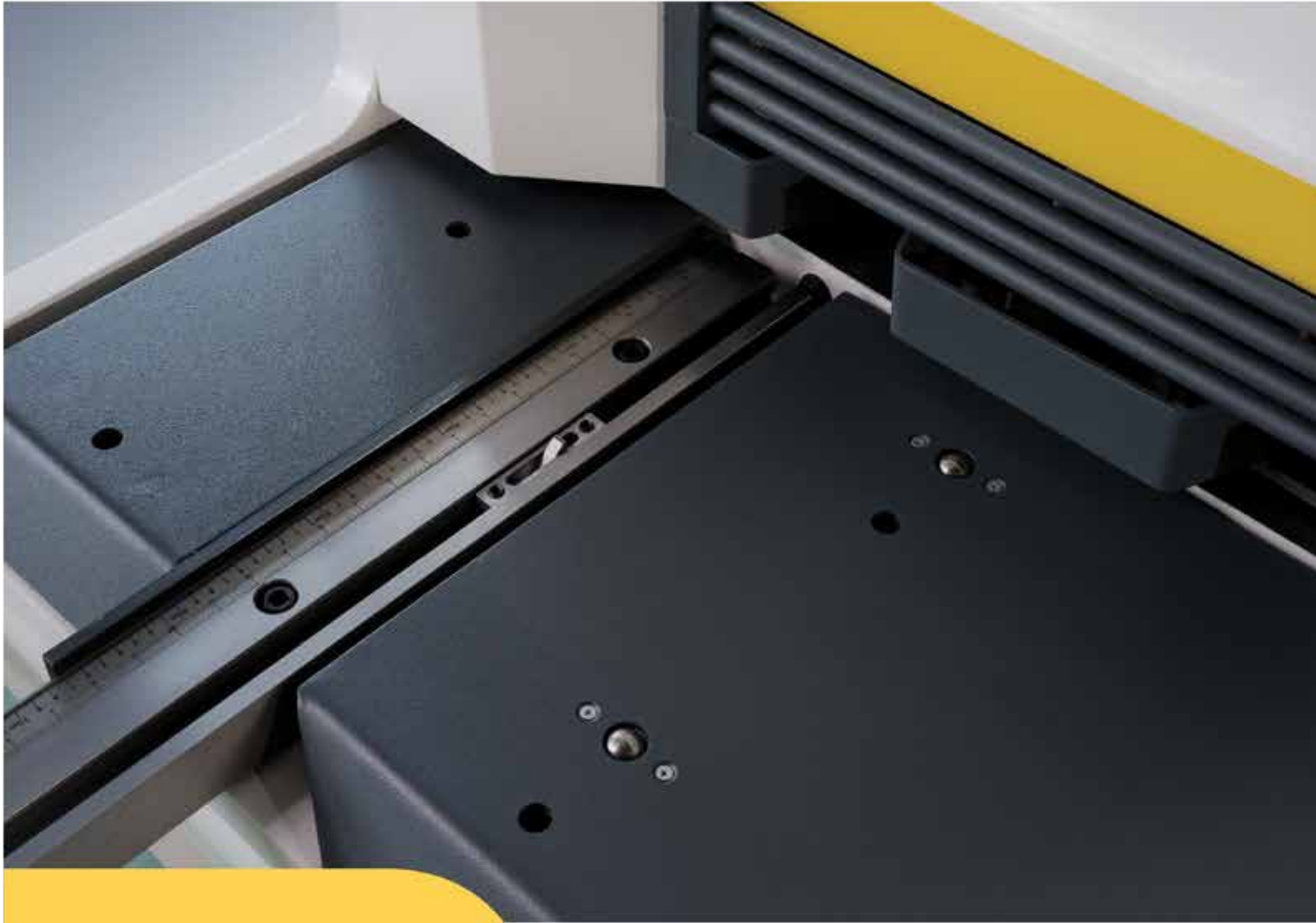
**A NEW GENERATION OF CNC SHEAR.
HIGH PRECISION, EUROPEAN DESIGN,
EFFICIENT AND RELIABLE.
HIGH PERFORMANCE VARIABLE ANGLE
SHEARING MACHINE**



VARIA

HYDRAULIC GULLOTINE SHEARS





PRODUCT FEATURES

- 1 Solid squaring arm with ruler, installed on the left side of the machine to ensure the cutting precision.
Working table with hard transfer balls. Medium precision ensure the workpiece is not matched on request. We can equip the machine with brush tables.

2 | 3

CNC blade gap adjustment device



2 CNC controlled blade gap adjustment

3 High precision back guide with integrated high accuracy ball screw + linear guide, powered by high performance servo motor. (Standard equipped with automatic swing-up function)



4

Unique structure design for the hold-down cylinders;
a special built-in spring structure with high quality
inserts to avoid markings
On sensitive materials that need to be cut
(eg. Aluminum, pre-painted steel,...)

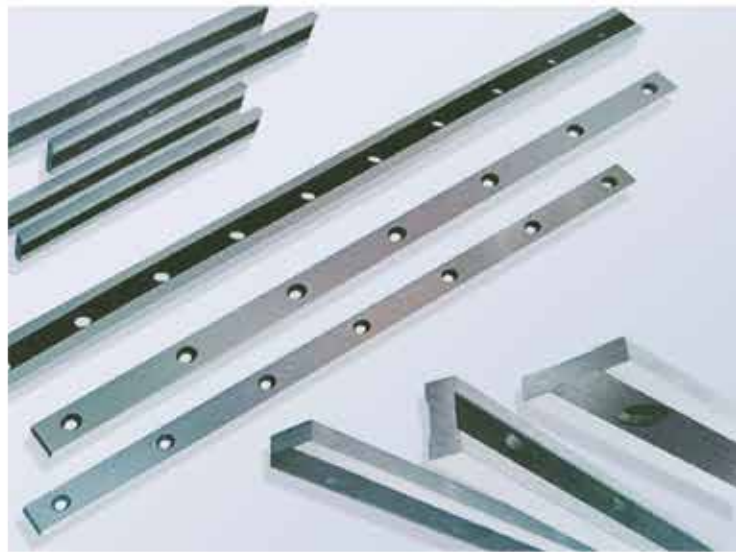


5

High quality hydraulic system

6

Good quality blades



PRODUCT FEATURES

7

CNC control on rotating arm, improving the comfort of operating the machine.



8

Font support tables with integrated transfer balls or brushes, to reduce friction and ensure the workpiece surface is not scratched.

Practical designed finger protection, ensures the safety of the operator when cutting small parts.



PRODUCT FEATURES



6

Separate container for small parts + return of narrow strips to the front side underneath the machine.



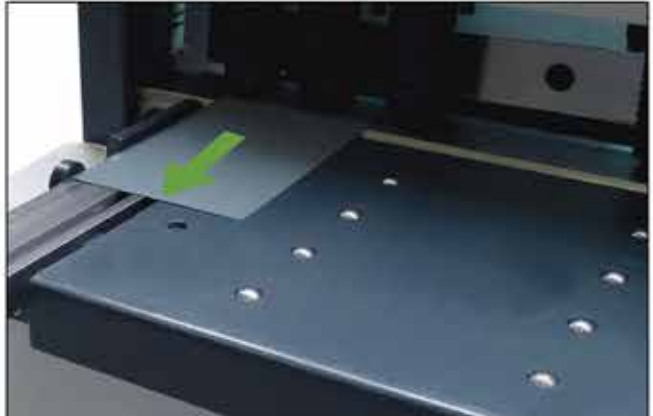
7

Movable container both to the front and back of the shear on wheels



8

Control panel on rail, movable in width



9

Return of (cut) parts to the operator : no time losses
no marking / damaging, torsion free cutting

Unique technical characteristics

VARIA
HYDRAULIC GULLOTINE SHEARS

SHEET SUPPORT

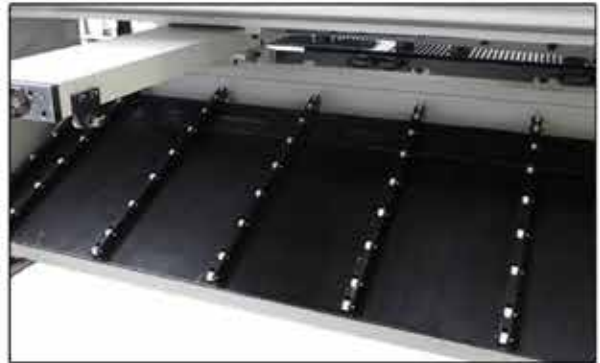
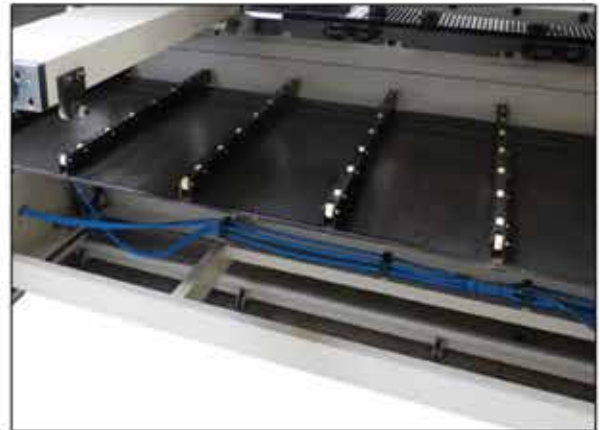
Problem 1 : The hanging of the plate due to its own weight results in incorrect cutting dimension or the plate passing underneath the back gauge bar.

Problem 2 : During the cutting process, the plate can get damaged : the so-called "dog-ear".

The double-acting sheet hold-up-system supports the sheet so you can position it straight against the back gauge bar.

During the cutting process, the support arms descended parallel: the sheet remains entirely supported.

Only after finishing the cut, do the support arms descend entirely so the plate can glide to the back.



SAFETY

Finger protection with laser light guard

CNC CONTROLLER

1. Easy to operate

International style touch screen EASY CUT page, fast to finish the cutting, Rich interactive information, Alarm function, automatically cutting function calculated according to the material of work piece.

2. Powerful function

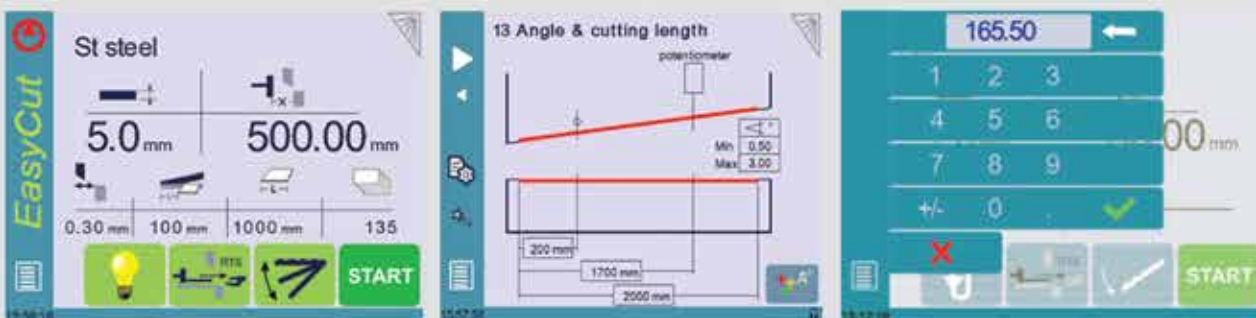
Automatic cutting length adjustment function;
Automatic back gauge calibration/retracted function.
Pneumatic sheet support 3positions and 2positions exchange function;
Energy-saving mode function.
Wireless transmission function, easy to update the software and save the programmes.
Integrated operation button, save the cost
Particular navigation feature, easy to adjust the machine
More than 10 different kinds languages are available.



The new generation of CNC-controllers for hydraulic shears is fabricated completely in house. Deratech has developed and designed a user friendly touch screen controller: D-TOUCH.

The D-Touch controller is easy to use and provides a lot of features that other brands of controllers do not have available (waste sorting mode, small parts mode,...). In automatic mode the operator only selects the type of material, the thickness and the size of the back gauge.... than he press start and the machine will be set automatically ready to be used.

The D-Touch controller is available with a 10" or 12" touch screen. Also can Deratech customize to customers demand the D-Touch controller and even adding more extra functions to the needs of the end user.



DERATECH PRACTICA (2016)

Mode	Max. Shearing Thickness (mm)	Max. Shearing Width (mm)	Distance Between uprights (mm)	Strokes (n/min)	Backgague stroke (mm)	Shearing angle(°)	Working table height (mm)	Throat depth (mm)	Main power (KW)	Oil volume (L)	Dimensions(mm)			Weight (kg)
											Length	Width	Height	
PAC-4×2500	4	2500	2710	22	1000	1.5	900	100	7.5	220	3100	1470	1870	5100
PAC-4×3200	4	3200	3410	20	1000	1.5	900	100	7.5	290	3820	1500	1890	6700
PAC-4×4000	4	4000	4220	15	1000	1.5	900	100	7.5	290	4652	1660	1900	7800
PAC-4×6000	4	6000	6190	10	1000	1.5	900	100	11	380	6600	2170	2210	16300
PAC-6×2500	6	2500	2720	20	1000	1.5	900	100	7.5	220	3130	1570	1890	6100
PAC-6×3200	6	3200	3420	18	1000	1.5	900	100	7.5	290	3840	1610	1910	6900
PAC-6×4000	6	4000	4220	15	1000	1.5	900	100	7.5	290	4630	1850	1990	9200
PAC-6×5000	6	5000	5620	12	1000	1.5	900	100	11	380	5700	2020	2160	14300
PAC-6×6000	6	6000	6230	10	1000	1.5	900	100	11	380	6650	2170	2210	18300
PAC-8×2500	8	2500	2760	14	1000	1.5	900	100	11	220	3190	1600	1910	6300
PAC-8×3200	8	3200	3460	12	1000	1.5	900	100	11	290	3900	1680	1940	8800
PAC-8×4000	8	4000	4260	10	1000	1.5	900	100	11	290	4680	1900	2010	10100
PAC-8×5000	8	5000	5255	8	1000	1.5	900	100	11	380	5720	2270	2200	16300
PAC-8×6000	8	6000	6225	6	1000	1.5	900	100	11	380	6670	2270	2340	22300
PAC-10×3200	10	3200	3500	10	1000	1.5	900	100	15	420	3960	2025	2185	10800
PAC-10×4000	10	4000	4300	8	1000	1.5	900	100	15	420	4760	2135	2220	13980
PAC-12×2500	12	2500	2755	12	1000	1.5	900	100	18.5	360	3235	2045	2120	10000
PAC-12×3200	12	3200	3465	9	1000	1.5	900	100	18.5	500	3945	2270	2270	13000
PAC-12×4000	12	4000	4265	7	1000	1.5	900	100	18.5	500	4745	2320	2470	15500
PAC-16×2500	16	2500	2775	7	1000	2.5	900	100	22	360	3390	2160	2380	12500
PAC-16×3200	16	3200	3485	6	1000	2.5	900	100	22	500	4100	2300	2545	16000
PAC-16×4000	16	4000	4285	5	1000	2.5	900	100	22	500	4850	2350	2545	20000
PAC-20×2500	20	2500	2785	6	1000	2.5	900	100	45	540	3440	2350	2630	18500
PAC-20×3200	20	3200	3485	5	1000	2.5	900	100	45	800	4140	2450	2660	22500
PAC-20×4000	20	4000	4285	5	1000	2.5	900	100	45	800	4940	2500	2675	25500

DERATECH VARIA (2016)

Mode	Max. Shearing Thickness (mm)	Max. Shearing Width (mm)	Distance Between uprights (mm)	Strokes (n/min)	Backgague stroke (mm)	Shearing angle(°)	Working table height (mm)	Throat depth (mm)	Main power (KW)	Oil volume (L)	Dimensions(mm)			Weight (kg)
											Length	Width	Height	
6×3050	6	3050	3600	14-23	1000	0.5-2.5	900	/	15	400	4030	2116	2100	8400
6×4050	6	4050	4600	12-20	1000	0.5-2.5	900	/	15	400	5060	2205	2200	11000
10×3050	10	3050	3650	11-19	1000	0.5-2.5	900	/	22	500	4080	2165	2260	12000
10×4050	10	4050	4650	10-18	1000	0.5-2.5	900	/	22	500	5205	2320	2300	17000

If you need more product specification please contact us.

DERATECH



Deratech Industries bvba.
Kerkstraat 46
2870 Puurs
Belgium

Tel: +32.(0)3.808.19.56
Fax: +32.(0)3.808.19.57

bjorn@deratechindustries.com
www.deratechgroup.com



Deratech bvba
Mantas 6
9250 Waasmunster
Belgium

Tel: +32.(0)52.33.98.98
Fax: +32.(0)52.21.94.01

info@deratech.be
www.deratech.be



Deratech China
No.398, Shuangzhu Rd Jiading
District, Shanghai City
P.R.China

Tel: +86.(21)3107 4898
Fax: +86.(21)3107 4897

info@deratech.cn
www.deratech.cn



Promech Engineering
Nile Tower - Second floor office A1,
Corniche El-Nile Maadi - Cairo
Egypt

Tel: (662)1054267
Phone: +202 25261962
Fax: (662)4821984

sameh@promech-eg.com
www.promech-eg.com



DERATECH GmbH
Königsallee 60F
40212 Düsseldorf
Germany

Tel: +49211 - 88284 - 166
Fax: +49211 - 88284 - 117

info@deratech.de
www.deratech.de



FINVAL INDUSTRY
14/22, 2-d Youzhnoportoviy Proezd
115088, Moscow
Russia

Tel: +7 (495) 213-87-83
Fax: +7 (495) 647-88-56

sales@deratechgroup.com
www.finval.ru



Deratech - Automation Line Trading LLC
Al Qusais Industrial 1
P.O.BOX 234393 Dubai
United Arab Emirates

Tel: +971 4 341 8831
Fax: +971 4 264 1432

uae@deratechgroup.com
www.automationline.net



Deratech Australia
5/ 35-41 Westpool Drive
Hailam, Victoria 3803
Australia

Tel: +613 9796 5260
Fax: +613 9796 5360

sales@deratech.com.au
www.deratech.com.au



Deratech Thailand
101/82 Moo 12
Puttamonthon5 Road
Raiking Sampran, Nakhonpathom
73210 Thailand

Tel: +6624088637-8
Fax: +6624088639

thailand@deratechgroup.com
www.deratechgroup.com



M/s. TECH MACH MACHINE TOOLS
#34, Basement, 1st Main Road,
Anandnagar, Bangalore - 560024,
Karnataka State
INDIA.

Tel: +91-080-23531129
Mob: +919845068437

sales@deratechgroup.com
www.techmach.in



Bajaj Machines India Pvt.Ltd.
Add:C-184,Naraina Industrial Area,
Phase-I,
New Delhi-110028,INDIA

Tel:+91 11 25797557,25893908
Fax:+91 11 25790640,
Mob:+91 9999007070

info@bajajmachinesindia.com
www.bajajmachinesindia.com