



## Hydraulic shears THS

THS hydraulic shears are designed as guillotine for cutting of table metal sheets with thickness up to 20 mm and with lengths from 2 m to 3 m.

Solid structure and easily programmable control system ensures a quality of cutting. CNC programming system works in dialog mode; calculates optimal setting of the clearance between the blades, the optimal cutting angle and the minimal stroke of the cutting beam depending on the length of the sheet metal cutting.

The servo-driven backgauge on ball-screw in combination with control system, allows the operator to program different target positions for several cuts over one sheet and cut the sheets without any need to touch the operator control.

Our optional pneumatic thin sheet catcher system is assuring the perfect gauging while entering the sheet into machine as well as supporting during the cutting action.

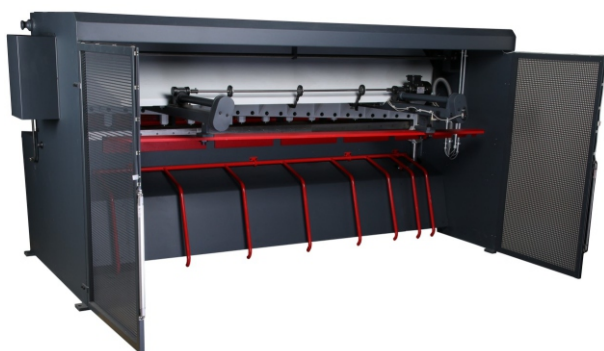
### STANDARD EQUIPMENT:

- heavy duty steel construction
- user friendly CNC touch control system
- automatically adjustment cutting length by CNC
- automatically adjustment blade gap by CNC
- adjustment of shearing angle (2 positions)
- front table including balls for easy handling with sheets
- motorized back gauge with ballscrews
- optical back safety system (only for EU country)
- table extension 1500 mm
- front support squaring arm with scale 1000 mm
- knives for mild steel with 2 cutting edges
- illumination by LED and shadow line
- high performance hydraulic components
- finger safety guard
- foot switch
- 3x400V, 5m power cable

### SPECIAL EQUIPMENT:

- squaring arm with scale and T-slot 1000mm or 1500mm
- extension arm of table with 1pc T-slot 1000mm or 1500mm
- tilting back gauge for cutting long sheet
- goniometer with scale
- pneumatic sheet catcher
- pair of knives for stainless steel with two cutting edge
- customer colors

For THS motorized shears we recommend:  
Folding machines **MAXI** or **MAXI PLUS**



Motorized back gauge with pneumatic sheetcatcher and optical back safety



The table plates with ball elements and extension arm



#### TECHNICAL PARAMETERS OF HYDRAULIC SHEARS THS

Model	Shearing length mm	Maximum sheet thickness			Shearing angle °	Cuts number /min.	Number of hold downs -	Hold down force kg	Motor kW	Oil tank litre	Table height mm	Length mm	Width mm	Height mm	Weight kg
		Steel 400N/mm <sup>2</sup> mm	Stainless 600N/mm <sup>2</sup> mm	Aluminium 275N/mm <sup>2</sup> mm											
20/06	2040	6,0	4,5*	8,0	1,4/2,7	14	12	1100	11	70	980	2620	3140	2100	4300
20/08		8,0	6,0*	10	1,4/2,7	13	12	2000	15	70	980	2620	3140	2100	5000
20/10		10	7,5*	13	1,4/2,7	12	12	2000	18,5	70	980	2700	3150	2100	5100
20/12		12	9,0*	16	1,4/2,7	12	12	2000	18,5	70	980	2700	3150	2100	6000
20/16		16	12*	20	1,9/3,3	12	14	2500	23,5	70	1010	2760	3170	2180	8100
20/20		20	14*	22**	1,9/3,3	12	14	2800	30	100	1010	2780	3170	2180	9200
25/06	2540	6,0	4,5*	8,0	1,4/2,7	12	14	1100	11	85	980	3120	3140	2100	4900
25/08		8,0	6,0*	10	1,4/2,7	11	14	2000	15	85	980	3120	3140	2100	5700
25/10		10	7,5*	13	1,4/2,7	10	14	2000	18,5	85	980	3200	3150	2100	5900
25/12		12	9,0*	16	1,4/2,7	10	14	2000	18,5	85	980	3200	3150	2100	6900
25/16		16	12*	20**	1,9/3,3	10	17	2500	23,5	85	1010	3200	3170	2180	9100
25/20		20	14*	22**	1,9/3,3	9	17	3400	30	125	1010	3200	3170	2180	10800
30/06	3060	6,0	4,5*	8,0	1,4/2,7	10	16	1100	11	100	980	3640	3140	2100	5600
30/08		8,0	6,0*	10	1,4/2,7	9	16	2000	15	100	980	3640	3140	2100	6300
30/10		10	7,5*	13	1,4/2,7	8	16	2000	18,5	100	980	3720	3150	2100	6900
30/12		12	9,0*	16	1,4/2,7	8	16	2000	18,5	100	980	3720	3150	2100	7800
30/16		16	12*	20**	1,9/3,3	8	19	2500	23,5	100	1010	3780	3170	2180	10400
30/20		20	14*	22**	1,9/3,3	8	19	4000	30	130	1010	3800	3170	2180	11900

\* for stainless steel cutting is needed to order hardened tools for stainless  
 \*\* need to consult with producer