

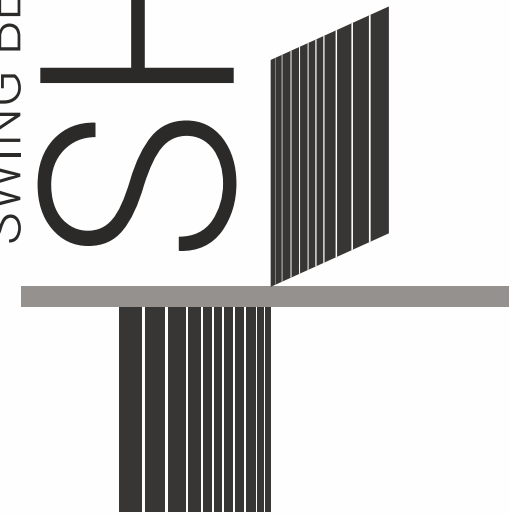


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# SWING BEAM - GUILLOTINE SHEARING



DENER MAKİNA, was established in 1974, in Kayseri / TURKEY. It has been manufacturing sheet metal working machines like Fiber Laser Cutting, Servo Electric Press Brake, Ball Screw Press Brake, Hydraulic Press Brakes, Hybrid Press Brake, NC - CNC Hydraulic Shears and Plasma Cutting machines.

Dener Makina's production facilities are located in the industrial and Freezone Area in Kayseri. Since it's beginning, Dener has had the philosophy of production with the best quality and high technology. It crowns this with the ISO 9001 Quality Management System and following European Safety Standards. Dener Makina is a leading Turkish Brand in Sheet Metal Working Machinery. It has qualified workmanship and a complete machinery manufacturing facility in it's 30.000 m2 closed area. Today, Dener machines are working all around the world.



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## AS SERIES CNC GUILLOTINE SHEAR

Dener CNC Guillotine Shears provide, rock solid mechanics, hydraulic, accurate ball screw back gauge, userfriendly CNC Controller high productive shearing machines. Dener Shears are starring form 6 mm up to 20 mm thickness cutting length from 3 mt up to 6 mt as a standard and according to the special demanded higher capacity machines are available.

Dener Guillotine Shears have strong welded steel construction suitable for long operation time. The design of the frame, cutting beam and back gauge to ensure highest rigidity and resistance to torsions and deformations. With the strong design customers can get maximum cutting quality.

With Easy to use CNC controller operator enters the thickness and the type of the material and controller automatically adjust the cutting angel and blade gap.



CNC GUILLOTINE SHEAR

**Optimal Solution  
For Shearing.**

## STANDARD EQUIPMENT

### ESA S 530 CONTROLLER

- 7" LCD TFT display
- Back gauge control
- Blade gap control
- Cutting angel control
- Cutting length adjustment
- Programmable up to 100 steps
- Positioning correction
- Step repetition
- Inch/mm selection
- 2 serial port rs232.
- 2 USB (2.0) ports.
- 1 VGA port for external monitor connection
- 1 ethernet port 10/100 Mbit (lan connection)
- 128 MB silicon disk.
- 24Vdc power supply.



Sheet Slider



Motorized Back Gauge has  $\pm 0,1$ mm Accuracy



Front Protection Frame



Hold Down Pads



### FOOT PEDAL

Remote Foot Control Pedal with Emergency Stop Button

### FRONT ARMS

Table Equipped With Sheet Slider Balls Operations  
Square Arm With Rear Supporting Nail in T-Slot Front  
Support Arms With T-Slots



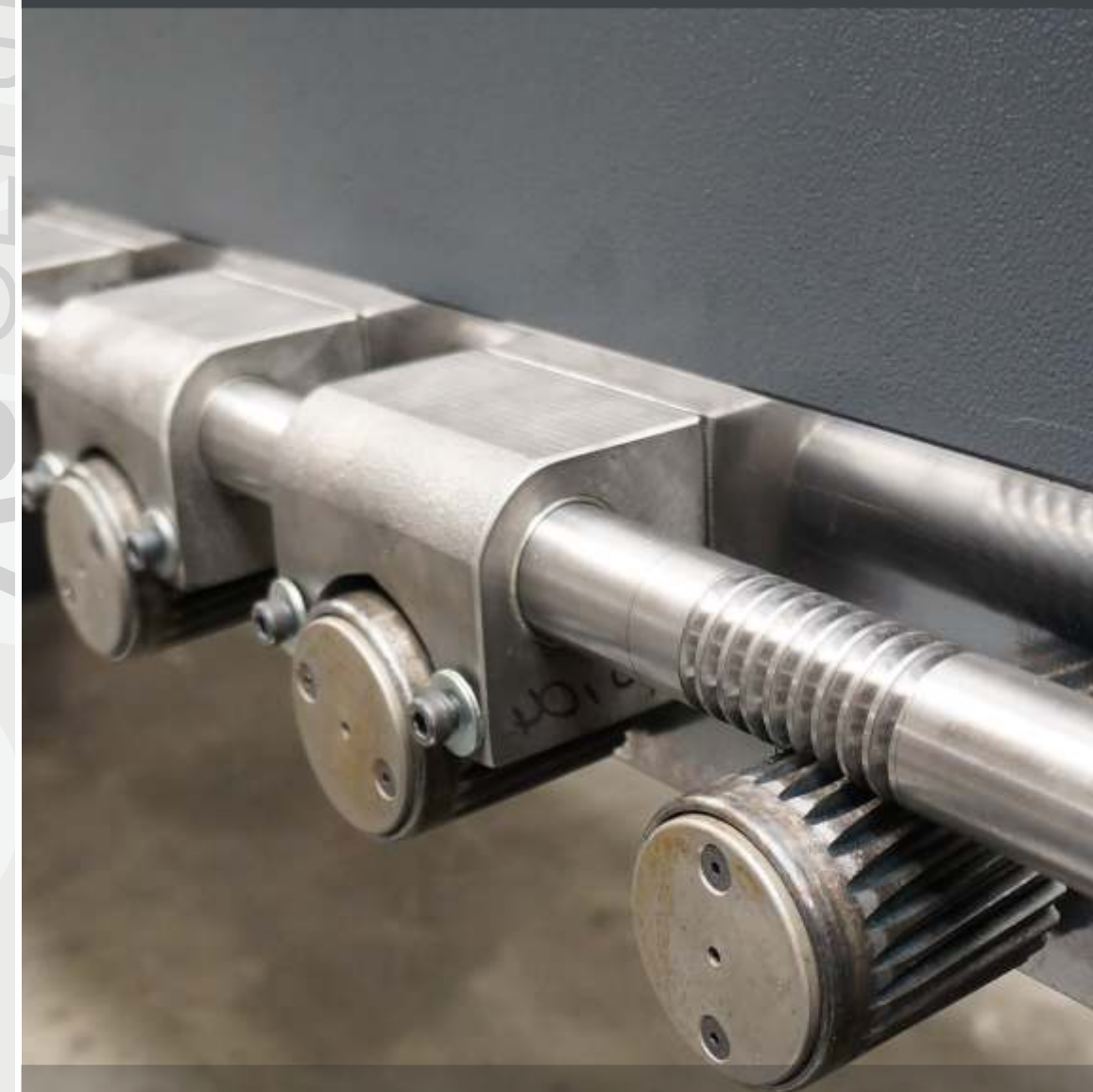


Excellent cutting quality from 6 mm up to 20 mm with powerful monoblock body



## **BLADE PADS SYSTEM**

The Blade Pads System ensures linearity and accuracy in any condition, for the best cutting quality.



## **ADVANTAGES**

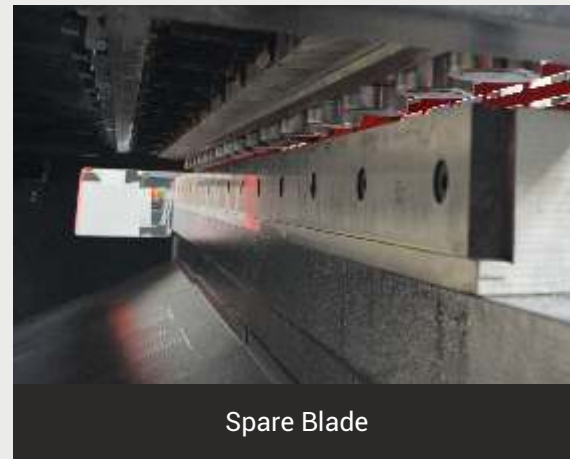
- High stiffness frame
- Straight cutting quality
- New design body structure and working system
- Less maintenance
- Faster working system



## AS SERIES OPTIONAL EQUIPMENTS



Longer Front Support Arms 2m /3m



Spare Blade



Hydraulic Oil Cooler System



Pneumatic Sheet Support System



Laser Cutting Line



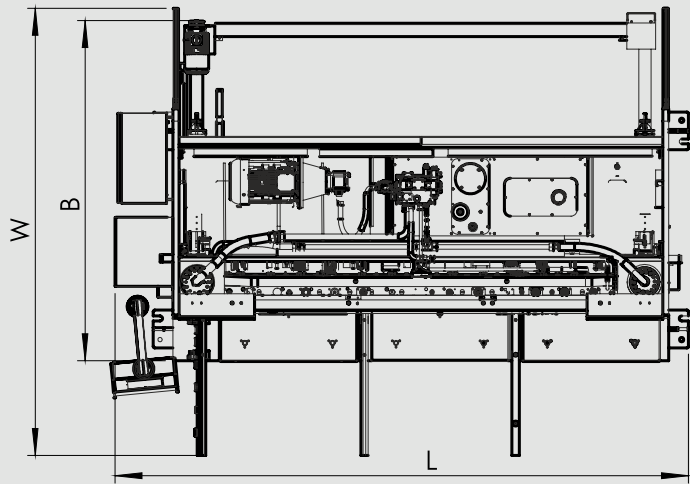
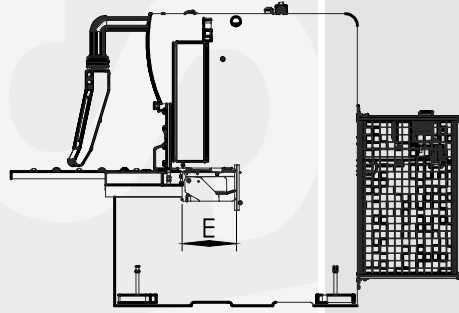
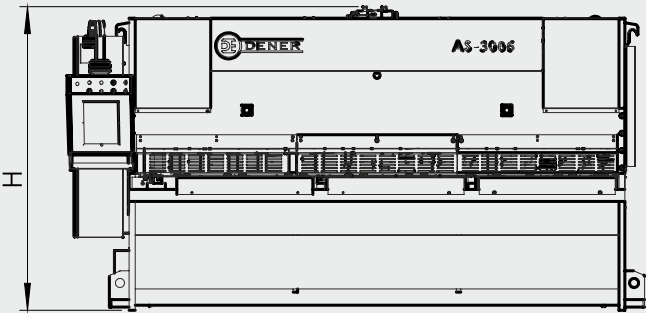
Light Curtain



CE  
Confirmation  
with Photocell  
System

AS SERIES CNC  
GUILLOTINE SHEAR

|                               |           | AS    | AS    | AS    | AS    | AS    | AS    | AS    | AS    | AS    | AS    | AS      | AS      | AS      | AS      | AS      |
|-------------------------------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|---------|---------|---------|---------|
|                               |           | 3006  | 3016  | 3013  | 3016  | 3020  | 4006  | 4010  | 4013  | 4016  | 4020  | 6006    | 6010    | 6013    | 6016    | 6020    |
| Cutting Length                | (mm)      | 3035  | 3040  | 3040  | 3060  | 3060  | 4065  | 4065  | 4065  | 4065  | 4065  | 6125    | 6125    | 6125    | 6160    | 6125    |
| Cutting Capacity (Mild Steel) | (mm)      | 6     | 10    | 13    | 16    | 20    | 6     | 10    | 13    | 16    | 20    | 6       | 10      | 13      | 16      | 20      |
| Cutting Angle                 | degree    | 0,5-3 | 0,5-3 | 0,5-3 | 0,5-3 | 0,5-3 | 0,5-3 | 0,5-3 | 0,5-3 | 0,5-3 | 0,5-3 | 0,5-2,5 | 0,5-2,5 | 0,5-2,5 | 0,5-2,5 | 0,5-2,5 |
| Hold Down Pad Number          | pcs       | 15    | 17    | 16    | 16    | 16    | 23    | 21    | 21    | 26    | 26    | 31      | 31      | 31      | 31      | 31      |
| Main Motor                    | kW        | 11    | 22    | 30    | 30    | 37    | 11    | 22    | 30    | 30    | 37    | 11      | 22      | 30      | 45      | 45      |
| Cutting Pcs (0,5 - 3°)        | cuts/min. | 29-12 | 20-11 | 17-8  | 13-6  | 12-5  | 23-9  | 20-11 | 13-6  | 13-6  | 12-5  | 14-6    | 11-5    | 11-5    | 10-5    | 10-5    |
| Oil Tank                      | lt        | 200   | 300   | 400   | 600   | 750   | 200   | 400   | 400   | 400   | 750   | 475     | 500     | 400     | 750     | 750     |
| Length                        | L (mm)    | 3775  | 3850  | 3850  | 3870  | 3910  | 4830  | 4860  | 4850  | 4930  | 4950  | 6910    | 6930    | 7090    | 7200    | 7200    |
| Throat Depth                  | E (mm)    | 350   | 350   | 350   | 350   | 350   | 350   | 350   | 350   | 350   | 350   | 350     | 350     | 350     | 350     | 350     |
| Width Without Ruler           | B (mm)    | 2300  | 2320  | 2350  | 2340  | 2370  | 2300  | 2220  | 2350  | 2300  | 2400  | 2200    | 2400    | 2400    | 2550    | 2700    |
| Width                         | W (mm)    | 2955  | 2960  | 3270  | 3315  | 3395  | 2955  | 3170  | 3160  | 3300  | 3390  | 3610    | 3630    | 3185    | 3700    | 3700    |
| Height                        | H (mm)    | 2260  | 2160  | 2260  | 2280  | 2640  | 2130  | 2430  | 2360  | 2200  | 2570  | 2780    | 2780    | 2665    | 2780    | 2780    |
| Weight                        | Kg        | 8300  | 10500 | 13400 | 15500 | 21500 | 11150 | 14900 | 18000 | 21000 | 27000 | 22000   | 25000   | 35500   | 49500   | 55000   |





# **SPECIAL PROJECT**

## **DENER AS-8016 SHEAR**





## **BS SERIES SWING BEAM SHEAR**

Easy, accurate, rock solid welded steel construction proven design that thousands of customers across the world have come to rely on.

Dener Swing Beam Shears are starting from 6 mm up to 20 mm thickness and cutting length from 2 m up to 6 m as a standard and according to the special demanded higher capacity machines are available.

Main features of the Swing Beam Shears are; NC controller for Back Gauge, single point manual blade gap adjustment, 1000 mm motorized ball screw back gauge, cutting length adjustment by timer, 1 m flip up front guarding, Sheet support arms and squaring support, sheet slider table and back slider.



SWING BEAM SHEAR



[www.dener.com](http://www.dener.com)

## NC CONTROLLER

The HT 071 is a very compact, simply programmable single axis controller for swing beam shear. This unit has back gauge control, retract, and stroke counter and program memory up to 99 programs with 20 steps. Back gauge axis control is two speed Ac control. Referencing is not necessary controller always remember the last position. The back gauge can be moved manually by selecting push buttons in 2 different speeds. Total working hours and total cut counter is also standard with controller.

### HT 071 FEATURING

- LCD display
- Back gauge control
- Actual position visualization
- Stock counter
- Program memory up to 99 parts
- Programmable up to 20 steps
- User-friendly one-touch programming
- Retract
- Semi automatic and automatic funtion.
- Stroke limitation



### FOOT PEDAL

Remote Foot Control Pedal with Emergency Stop Button

### FRONT ARMS

Table Equipped With Sheet Slider Balls Operations  
Square Arm With Rear Supporting Nail in T-Slot Front  
Support Arms With T-Slots



Sheet Slider



Motorized Back Gauge has  $\pm 0,1\text{mm}$  Accuracy



Front Protection Frame



Hold Down Pads

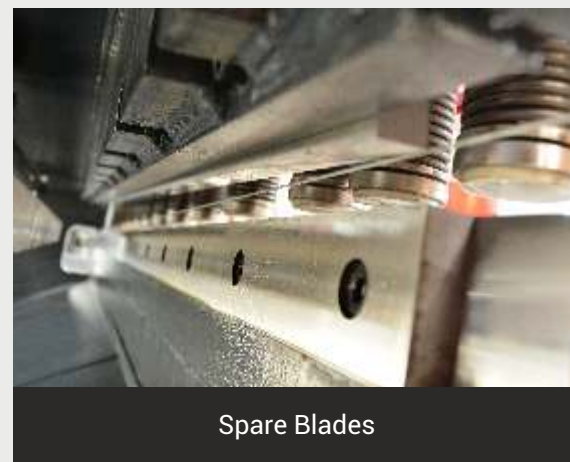




## BS SERIES OPTIONAL EQUIPMENT



Longer Front Support Arms 2m /3m



Spare Blades



Hydraulic Oil Cooler System



Pneumatic Sheet Support System



Motorized Blade Gap Adjustment  
with CNC Controller



Light Curtain

### ESA S 530 CONTROLLER

- 7" LCD TFT display
- Back gauge control
- Blade gap control
- Cutting angel control
- Cutting length adjustment
- Programmable up to 100 steps
- Positioning correction
- Step repetition
- Inch/mm selection
- 2 serial port rs232.
- 2 USB (2.0) ports.
- 1 VGA port for external monitor connection
- 1 ethernet port 10/100 Mbit (lan connection)
- 128 MB silicon disk.
- 24Vdc power supply.



CNC Controller for Motorized Blade Gap Adjustment



www.dener.com



**BS SERIES NC**  
**SWING BEAM SHEAR**

|                               |           | BSY  | BS    | BS    | BS    | BS    |      |       |       |       |       |       |       |       |       |       |
|-------------------------------|-----------|------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                               |           | 3006 | 3010  | 3013  | 3016  | 3020  | 4006 | 4010  | 4013  | 4016  | 4020  | 6006  | 6010  | 6013  | 6016  | 6020  |
| Cutting Length                | (mm)      | 3120 | 3120  | 3120  | 3120  | 3120  | 4160 | 4160  | 4160  | 4160  | 4160  | 6240  | 6240  | 6240  | 6240  | 6240  |
| Cutting Capacity (Mild Steel) | (mm)      | 6    | 10    | 13    | 16    | 20    | 6    | 10    | 13    | 16    | 20    | 6     | 10    | 13    | 16    | 20    |
| Cutting Angle                 | degree    | 1,39 | 2     | 2,5   | 2,5   | 2,5   | 1,33 | 2     | 2     | 2     | 2     | 1,33  | 1,5   | 1,5   | 1,5   | 1,5   |
| Hold Down Pad Number          | pcs       | 15   | 15    | 15    | 15    | 18    | 19   | 19    | 19    | 19    | 19    | 37    | 37    | 37    | 37    | 28    |
| Main Motor                    | kW        | 11   | 22    | 30    | 30    | 37    | 11   | 22    | 30    | 30    | 37    | 11    | 22    | 30    | 37    | 37    |
| Cutting Pcs                   | cuts/min. | 18   | 12    | 12    | 12    | 9     | 14   | 8     | 8     | 8     | 6     | 4     | 4     | 4     | 4     | 4     |
| Oil Tank                      | lt        | 200  | 200   | 400   | 400   | 475   | 240  | 240   | 400   | 400   | 475   | 475   | 475   | 600   | 600   | 600   |
| Length                        | L (mm)    | 3840 | 3850  | 3850  | 3875  | 3950  | 4890 | 4910  | 4930  | 4950  | 4980  | 6910  | 6930  | 6950  | 6985  | 6985  |
| Throat Depth                  | E (mm)    | 150  | 150   | 150   | 150   | 150   | 150  | 150   | 150   | 150   | 150   | 150   | 150   | 150   | 315   | 360   |
| Width Without Ruler           | B (mm)    | 2050 | 2175  | 2270  | 2350  | 2420  | 2050 | 2160  | 2345  | 2380  | 2400  | 2450  | 2480  | 2500  | 2500  | 2500  |
| Width                         | W (mm)    | 2745 | 3060  | 3160  | 3200  | 3350  | 2750 | 3120  | 3160  | 3190  | 3350  | 3610  | 3630  | 3650  | 3700  | 3700  |
| Height                        | H (mm)    | 1700 | 1850  | 2000  | 2170  | 2430  | 1820 | 2000  | 2100  | 2480  | 2600  | 2730  | 2730  | 2730  | 2730  | 2730  |
| Weight                        | Kg        | 6500 | 12250 | 13500 | 15000 | 22000 | 8000 | 10500 | 16750 | 18400 | 25500 | 23000 | 25000 | 27750 | 34500 | 44950 |

