The Winning Force

VS SERIES
Variable Rake CNC Shear

- Perfect Cutting
- Fast Speed
- Powerful
- Accurate
- Efficient
As a total supplier for sheet metal manufacturing with almost 60 years of experience, Durma understands and recognizes the challenges, requirements and expectations of the industry. We strive to satisfy the ever higher demands of our customers by continuously improving our products and processes while researching and implementing the latest technologies.

In our three production plants with a total of 150,000 m², we dedicate 1,000 employees to delivering high quality manufacturing solutions at the best performance-to-price ratio in the market.

From the innovations developed at our Research & Development Center to the technical support given by our worldwide distributors, we all have one common mission: to be your preferred partner.

Present Durmazlar machines with Durma name to the world.

High technology, modern production lines
Top quality components
High quality machines designed in R&D Centre
**VS Series**

**Variable Rake CNC Shear**

Well equipped for precision cuttings (± 0.05 cutting precision)

High technology VS variable rake shears, with 0° 30’ - 2° precise rake adjustment, cut fast and efficiently. Easy to use and good quality cutting feature are suitable for every job. By entering all cutting parameters you can have precise and perfect cutting.

High efficient and maximum security VS shears will differentiate you with its precise cutting.

Advance Your Standards

Precision and high quality cuts with automatic gap adjustment

In world standards equipped with high-tech products VS Series Shears offer you exact solutions. We have reduced the cutting angle to achieve straight precision and minimum twist tolerance.

Why DURMA Shears

- Better and faster cuttings
- Automatic blade gap adjustment
- Stronger and rigid body structure
- High sensitivity and repeatability
- High-tech excellent equipments
- Low service cost
- Adds value to your company
- Reliable brand

We have minimized the cutting angle to provide sensitivity to minimum linear and torsional tolerance in the total material length.
Gain More Power

Performance and Productivity

The DURMA VS series CNC variable rake shear is one of the most advanced production shears are available today. From 6 up to 25 mm shearing capability these highly developed machines yield the most flexibility you can hope to get in a modern shearing machine.

Standard & Optional Equipment

Standard Equipments

- CE-Norm
- Heavy duty steel construction & Stress relieved frame
- User friendly CNC Touchscreen control unit D-Touch 7
- Automatically adjusted rake angle by CNC
- Adjusted cutting length by CNC
- Ball screw back gauge, 1000mm
- Flip-up finger guards 1000mm
- Squaring arm with scale T-Slot (L=1500mm)
- Support arms T-Slot & Tilting stop (L=1000mm)
- Illumination & Shadow line
- Throat depth with 350 mm
- Automatically pressure adjusted solid holddowns
- Top and bottom blades with four sides

Optional Equipments

- High speed (Stroke/Min)
- Laser Cutting Line
- Light curtains for finger protection
- Pneumatic sheet support DURMA I
- Pneumatic sheet support with return to sender
- Pneumatic sheet support DURMA IV
- Sheet support device with belt conveyor and scrap container
- Stacker + Alignment System
- CNC front feeding system
- Hydraulic anti-twisting
- Special throat depth
- Back gauge 1250 mm
- X1, X2 axis
- Hydraulic swing-up back gauge
- Oil coolant
- Oil heater
- Central lubrication manual
- Central lubrication motorized
- Adjustable angle stop 0-180°
- Add. Support arms
- Special blades
- Control Panel on opposite position
- Temperature measurement
- Overseas special packaging

General Specifications

- Robust design & powerful body for perfect cutting
- Hardened and ground blades for long life and precise
- CE standards security
- The combination of economic and perfect cutting performance
- Blade clearance and cutting angle automatically adjusted by CNC controller
- User friendly CNC touch screen control unit
- VS shears provide flexible use for narrow or wide, thin or thick sheet metal cutting.
- Automatic swing up back gauge for more comfortable use
- Sheet support arms
- Front feeding and conveyor systems
- Front support arms T-Slots for easy cutting and feeding material
- Ball Transfer table
**D-Touch 7 Control Unit**

- Fast data input
- Easy connection USB port
- Ethernet RJ-45 10/100M
- Easy programming

**Cuttings are easier with D-Touch 7**

With easy to use interface D-Touch 7 enables perfect cutting in seconds by endless programming and material entrance feature.

- Wide, colored, touch-screen (LCD 7" 800x480)
- Quick data entry
- Easy connection
- USB input
- Ethernet RJ-45 10/100M
- Windows CE: Unlimited program and steps
- Unlimited material type

**VS Series General Features**

With choice of standards and optional equipment VS Series add to value your business by offering proper solutions for your needs. With the high-tech features high efficiency, high precision, high performance criteria VS Series have proved that it is user-friendly and the best of in this sector.

- Flip-up Finger Guard
- Ball Transfer Table
- Hydraulic Holddowns
- Light Curtains For Finger Guard
- Special Throat Depth
  - Throat depth of at least 350 mm allows the cutting of longer sheets than the knife length
- Adjustable Angle Stop 0-180°
- Thin Sheet Support System
- Conveyor System
Robust Back Gauge System

- Precision
- Robust
- Min. Deformation

- Fast and high accuracy
- Reliable movement
- Adjustment at any point
- Resistance to crash
- Maintenance free
- Better and fast cutting
- Easy and secure usage
- High precision and repeatability

Why DURMA Back Gauge?

One of the most important factor for cutting capacity is the design of back gauge and stability.

Quality cutting is possible with perfect product, stability and precision back gauge.

The high speed ballscrew back gauge system movement is also supported with linear guides, which helps the back gauge achieve long life, greater sensitivity and strengthens against any collisions.

Ballscrew back gauge

Sheet Support Systems

- Pneumatic Thin Sheet Support System
  - DURMA I
  - Step 1
  - Step 2

- Pneumatic Thin Sheet Support System
  - DURMA IV
  - Step 1
  - Step 2
  - Step 3
### VS Series Technical Details

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DURMA provides the best level of service and spare parts with qualified personnel and spare parts in stock. Our experienced and professional service personnel are always ready at your service. Our professional training and application enriched courses will give you an advantage to use our machinery.
Today, Tomorrow and Forever with You...

**VS SERİSİ**
Variable Rake Cnc Shear

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