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Digima Iron Worker DX35Y-16 60T





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Digima Iron Worker DX35Y-16 Hydraulic Steel Shears and Punching Machine — 60-ton pressing force, sheet cutting up to 16 mm

Hydraulic Steel Shears / Iron Worker

Digima Iron Worker DX35Y-16 60T

Multifunctional station for cutting, punching, shearing, notching and bending metal

Digima DX35Y-16 is an industrial-grade hydraulic **Iron Worker**, machine designed for intensive work in metalworking facilities, production workshops and companies manufacturing steel structures.

The machine combines several workstations in one compact design: **punching holes, cutting sheet metal, shearing bars, cutting angles, notching and bending**. This enables it to replace several separate machines, saving space and reducing production setup time.

60T

Maximum pressing force

60 ton

16

Maximum sheet thickness

up to 16 mm

5.5

Main motor power

5.5 kW

25

Maximum punching diameter

Ø25 mm

One machine — multiple metalworking operations.

DX35Y-16 enables punching, cutting, shearing, notching and bending at a single workstation, increasing production flexibility and reducing the need to invest in several separate machines.

Product photos

Main photo and 4 additional photos showing the machine's functions

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Punching station — 60-ton pressing force

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Hydraulic sheet metal shears – cutting material up to 16 mm

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Cutting steel angles, bars and profiles



Measuring table, stops and safety guards

Key advantages

Why choose the Digima Iron Worker DX35Y-16?

60-ton pressing force — high working force for punching holes and processing tough steel materials.

Sheet cutting up to 16 mm — ability to work with thick steel sheets in workshop and industrial applications.

Multiple functions in one machine — punching, cutting, shearing, notching and bending without the need to use several separate machines.

Intuitive operation — quick operator onboarding and convenient switching between workstations.

Low operating costs — the hydraulic working system provides high force with moderate energy



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consumption.

Stable construction – machine designed for repetitive operations and intensive use in production.

Quick tool change – solutions that facilitate retooling and reduce production downtime.

Operational safety – guards and protective components protect the operator from moving machine parts.

Working functions

Versatile metalworking at one station

Digima DX35Y-16 is equipped with dedicated stations for different technological operations. The machine enables punching holes, cutting sheet metal, shearing round and square bars, cutting angles and rectangular and V-type notching.

Punching holes – the maximum hole diameter in the standard configuration is Ø25 mm.

Sheet metal cutting – the maximum thickness of the cut plate is up to 16 mm.

Profile cutting – ability to work with angles, T-sections, I-beams and channels.

Notching – processing corners and rectangular and V-type cut-outs.

Bar shearing – work with round and square bars depending on the tooling.

Bending – ability to perform simple bending operations using appropriate tools.

Equipment

Configuration supporting accuracy, convenience and safety

The machine has been prepared for daily work in a production environment. Supporting equipment allows faster workpiece setup and stable material guidance and reduces the time needed to change operations.

Quick-change nut and clamping sleeve – quick tooling replacement during production changes.



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Angle arm with precise scale — accurate positioning of material relative to the blades.

Electronic backgauge — support for serial cutting of elements to repeatable lengths.

Measuring table with stops — stable support and workpiece referencing.

Punching table base — a rigid foundation for a stable punching process.

Safety guards — protective devices safeguarding the operator from working components.

Applications

Which applications is the Iron Worker DX35Y-16 suitable for?

The Digima DX35Y-16 hydraulic punching machine is suitable for facilities producing steel structures, infrastructure elements, machine components, agricultural machinery and parts requiring repetitive cutting, punching and profile processing.

Steel structures — cutting, punching and preparation of assembly elements.

Metalworking workshops — a universal machine for everyday metalworking tasks.

Industrial production — serial processing of repeatable components.

Agricultural machinery — preparation of sheet metal, profiles and structural elements.

Infrastructure elements — processing steel parts for technical structures.

Metalworking facilities — space savings by combining multiple functions in one machine.

Technical specification

Technical specifications — Digima DX35Y-16

Model **DX35Y-16**

Machine type **Hydraulic steel shears / Iron Worker punching machine**



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Brand **Digima**

Condition **New**

Maximum pressing force **60 ton**

Maximum cut plate thickness **16 mm**

Cutting angle **7°**

Working stroke range **16 × 250 mm to 8 × 400 mm**

Punching depth **16 mm**

Workpiece material strength **up to 450 N/mm²**

Main motor power **5.5 kW**

Throat depth **300 mm**

Maximum punching diameter **Ø25 mm**

Machine dimensions **1740 × 810 × 1830 mm**

Operating frequency **11–20 cycles/min**

Main functions **Punching, sheet metal cutting, bar shearing, angle cutting, notching, bending**