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Digima Iron Worker DX35Y-30 160T





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Digima Iron Worker DX35Y-30 hydraulic steel shears and punching machine — 160-ton press force, sheet cutting up to 30 mm

Hydraulic steel shears / Iron Worker

Digima Iron Worker DX35Y-30 160T

Multi-function station for cutting, punching, shearing, notching and bending metal

Digima DX35Y-30 is an industrial-grade hydraulic **Iron Worker** machine designed for intensive work in metalworking plants, manufacturing workshops and companies producing steel structures.

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

160T

Maximum press force

160 tons

30

Maximum sheet thickness

up to 30 mm

15

Main motor power

15 kW

38

Maximum punching diameter

Ø38 mm

One machine — multiple metalworking operations.

DX35Y-30 enables punching, cutting, shearing, notching and bending at one workstation, increasing production flexibility and reducing the need to invest in several separate machines.

Product photos

Main image and 4 additional images showing the machine's functions

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Hole punching station – 160-ton press force

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Hydraulic sheet metal shears – cutting material up to 30 mm

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Cutting angle bars, bars and steel profiles



Measuring table, stops and safety guards

Key advantages

Why choose Digima Iron Worker DX35Y-30?

160-ton press force — very high working force for punching holes and processing thick steel materials.

Sheet cutting up to 30 mm — ability to work with very heavy steel sheets in workshop and industrial applications.

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

Intuitive operation — quick operator familiarization and convenient changeover between workstations.



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Low operating costs – the hydraulic working system delivers high force with moderate energy demand.

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

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

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

Working functions

Versatile metalworking at one workstation

Digima DX35Y-30 is equipped with dedicated stations for different process operations. The machine enables punching holes, cutting sheet metal, shearing round and square bars, cutting angle bars and rectangular and V-type notching.

Hole punching – the maximum hole diameter in the standard configuration is Ø38 mm.

Sheet metal cutting – the maximum cut plate thickness is up to 30 mm.

Profile cutting – ability to work with angle bars, T-bars, I-beams and channel sections.

Notching – processing corners and rectangular and V-type cutouts.

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 is prepared for everyday work in a production environment. Support equipment allows quicker workpiece setup, stable material guidance and reduces the time needed to change operations.

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



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

Electronic backgauge — support for serial cutting of parts to a repeatable length.

Measuring table with stops — stable workpiece support and positioning.

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

Safety guards — protective devices that protect the operator from working components.

Applications

What work is the Iron Worker DX35Y-30 suitable for?

The Digima DX35Y-30 hydraulic punching machine is suitable for plants manufacturing steel structures, infrastructure components, machine components, construction machinery and parts requiring repetitive cutting, punching and profile processing.

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

Metalworking workshops — a versatile machine for everyday metalworking tasks.

Industrial production — serial processing of repeatable parts.

Construction machinery — preparation of sheet metal, profiles and structural components.

Infrastructure components — processing steel parts for technical structures.

Metalworking plants — space savings thanks to combining multiple functions in one machine.

Technical specification

Technical specifications — Digima DX35Y-30

Model **DX35Y-30**

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



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Brand **Digima**

Condition **New**

Maximum press force **160 tons**

Maximum cut plate thickness **30 mm**

Cutting angle **8°**

Working stroke range **30 × 335 mm to 20 × 600 mm**

Punching depth **28 mm**

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

Main motor power **15 kW**

Throat depth **600 mm**

Maximum punching diameter **Ø38 mm**

Machine dimensions **2800 × 1050 × 2450 mm**

Operating frequency **6–16 cycles/min**

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