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Digima Iron Worker DX35Y-25 120T





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Digima Iron Worker DX35Y-25 hydraulic steel shears and punching machine – 120-ton press force, sheet cutting up to 25 mm

Hydraulic Steel Shears / Iron Worker

Digima Iron Worker DX35Y-25 120T

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

Digima DX35Y-25 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: **hole punching, sheet cutting, bar shearing, angle cutting, notching and bending**. This allows it to replace several separate machines, saving space and reducing production setup time.

120T

Maximum press force

120 tonnes

25

Maximum sheet cutting thickness

up to 25 mm

11

Main motor power

11 kW

35

Maximum punching diameter

Ø35 mm

One machine – multiple metalworking operations.

DX35Y-25 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 photo and 4 additional photos showing the machine functions

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Hole punching station – 120-ton press force

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Hydraulic sheet metal shears – cutting material up to 25 mm

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Cutting steel angle bars, bars and profiles



Measuring table, stops and safety guards

Key benefits

Why choose the Digima Iron Worker DX35Y-25?

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

Sheet cutting up to 25 mm — ability to work with 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 onboarding and convenient changeover between workstations.

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



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Robust construction — the machine is designed for repetitive operations and intensive production use.

Quick tool changes — solutions facilitating changeovers and reducing production downtime.

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

Working functions

Versatile metalworking at one station

Digima DX35Y-25 is equipped with dedicated stations for various machining operations. The machine enables hole punching, sheet cutting, shearing round and square bars, angle cutting and rectangular and V-type notching.

Hole punching — the maximum hole diameter in the standard configuration is Ø35 mm.

Sheet cutting — the maximum thickness of the cut plate is up to 25 mm.

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

Notching — machining 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 suitable tools.

Equipment

Configuration supporting accuracy, convenience and safety

The machine is prepared for everyday work in a production environment. Supporting equipment allows faster workpiece setup, stable material guidance and reduced time required for changing operations.

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

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



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Electronic backgauge — support for serial cutting of components 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 — safeguards protecting the operator from working elements.

Applications

What applications is the Iron Worker DX35Y-25 suitable for?

The Digima DX35Y-25 hydraulic punching machine is well suited to facilities producing steel structures, infrastructure components, machine parts, construction machinery and components requiring repeatable cutting, punching and profile processing.

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

Metalworking workshops — a universal machine for everyday metalworking tasks.

Industrial production — serial processing of repeatable parts.

Construction machinery — preparation of sheets, profiles and structural elements.

Infrastructure components — processing steel parts for technical structures.

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

Technical specification

Technical Parameters of Digima DX35Y-25

Model **DX35Y-25**

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

Brand **Digima**

Condition **New**

Maximum press force **120 tonnes**



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Maximum cut plate thickness **25 mm**

Cutting angle **8°**

Working stroke range **25 × 330 mm to 16 × 600 mm**

Punching depth **25 mm**

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

Main motor power **11 kW**

Throat depth **400 mm**

Maximum punching diameter **Ø35 mm**

Machine dimensions **2355 × 960 × 2090 mm**

Operating frequency **8–18 cycles/min**

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