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Digima Iron Worker DX35Y-20 90T





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Hydraulic steel shears and punch press Digima Iron Worker DX35Y-20 – 90-ton pressing force, sheet cutting up to 20 mm

Hydraulic steel shears / Iron Worker

Digima Iron Worker DX35Y-20 90T

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

Digima DX35Y-20 is an industrial-grade hydraulic **Iron Worker**, machine designed for intensive work in metalworking plants, production workshops and companies manufacturing steel structures.

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

90T

Maximum pressing force

90 tonnes

20

Maximum sheet thickness

up to 20 mm

7.5

Main motor power

7.5 kW

30

Maximum punching diameter

Ø30 mm

One machine – multiple metalworking operations.

DX35Y-20 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 presenting the machine's functions

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Punching station — 90-ton pressing force

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Hydraulic sheet metal shears – material cutting up to 20 mm

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Cutting angle iron, bars and steel profiles



Measuring table, stops and safety guards
Key advantages

Why choose the Digima Iron Worker DX35Y-20?

90-ton pressing force — high working force for punching holes and processing thick steel materials.

Sheet cutting up to 20 mm — the 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 — fast operator onboarding and convenient switching between workstations.



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

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

Quick tool change – solutions that simplify changeovers and reduce production downtime.

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

Working functions

Versatile metalworking at one station

Digima DX35Y-20 is equipped with dedicated stations for different process operations. The machine enables hole punching, sheet cutting, shearing round and square bars, cutting angle iron and rectangular and V-type notching.

Hole punching – the maximum hole diameter in the standard configuration is Ø30 mm.

Sheet cutting – the maximum thickness of the cut plate is up to 20 mm.

Profile cutting – the ability to work with angle iron, 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 – the 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. Support equipment allows faster 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 — precise positioning of material relative to the blades.

Electronic backgauge — support for series cutting of parts 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 components.

Applications

What jobs is the Iron Worker DX35Y-20 suitable for?

The Digima DX35Y-20 hydraulic punch press is suitable for plants manufacturing 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 versatile machine for everyday metalworking tasks.

Industrial production — series processing of repeatable parts.

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

Infrastructure components — processing steel parts for engineering structures.

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

Technical specification

Technical parameters of Digima DX35Y-20

Model **DX35Y-20**

Machine type **Hydraulic steel shears / Iron Worker punch press**



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Brand **Digima**

Condition **New**

Maximum pressing force **90 tonnes**

Maximum cut plate thickness **20 mm**

Cutting angle **8°**

Working stroke range **20 × 330 mm to 10 × 480 mm**

Punching depth **20 mm**

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

Main motor power **7.5 kW**

Throat depth **355 mm**

Maximum punching diameter **Ø30 mm**

Machine dimensions **1950 × 900 × 1950 mm**

Operating frequency **12–20 cycles/min**

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