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Digima B5032D Slotting Machine





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Digima B5032D – metal slotting machine with a 630 mm rotary table, 4 kW power and a maximum slotting length of 320 mm.

Metal Slotting Machine

Digima B5032D Slotting Machine

Professional Vertical Slotting Machine with 630 mm Rotary Table, 4 kW Power and Stroke up to 320 mm

Digima B5032D is a heavy-duty metal slotting machine designed for precise machining of keyways, channels, formed surfaces and slotting operations in steel, cast-iron and technical components. The machine is prepared for use in professional production facilities, toolrooms and maintenance departments.

The B5032D model offers a **maximum slotting length of 320 mm**, four ram stroke speeds of **20 / 32 / 50 / 80 strokes/min**, a rotary table with a diameter of **630 mm** and a robust construction weighing approximately **3000–3200 kg**.

320
Maximum Slotting Length
320 mm
630
Working Table Diameter
630 mm
4kW
Main Motor Power
4 kW / 380 V
500
Max. Table Load
500 kg

Larger Table, More Powerful Drive and Greater Slotting Length.

The B5032D enables stable slotting of keyways, channels and profiles in metal, while its heavy-duty construction and 630 mm table support work with large workpieces.

Product Gallery

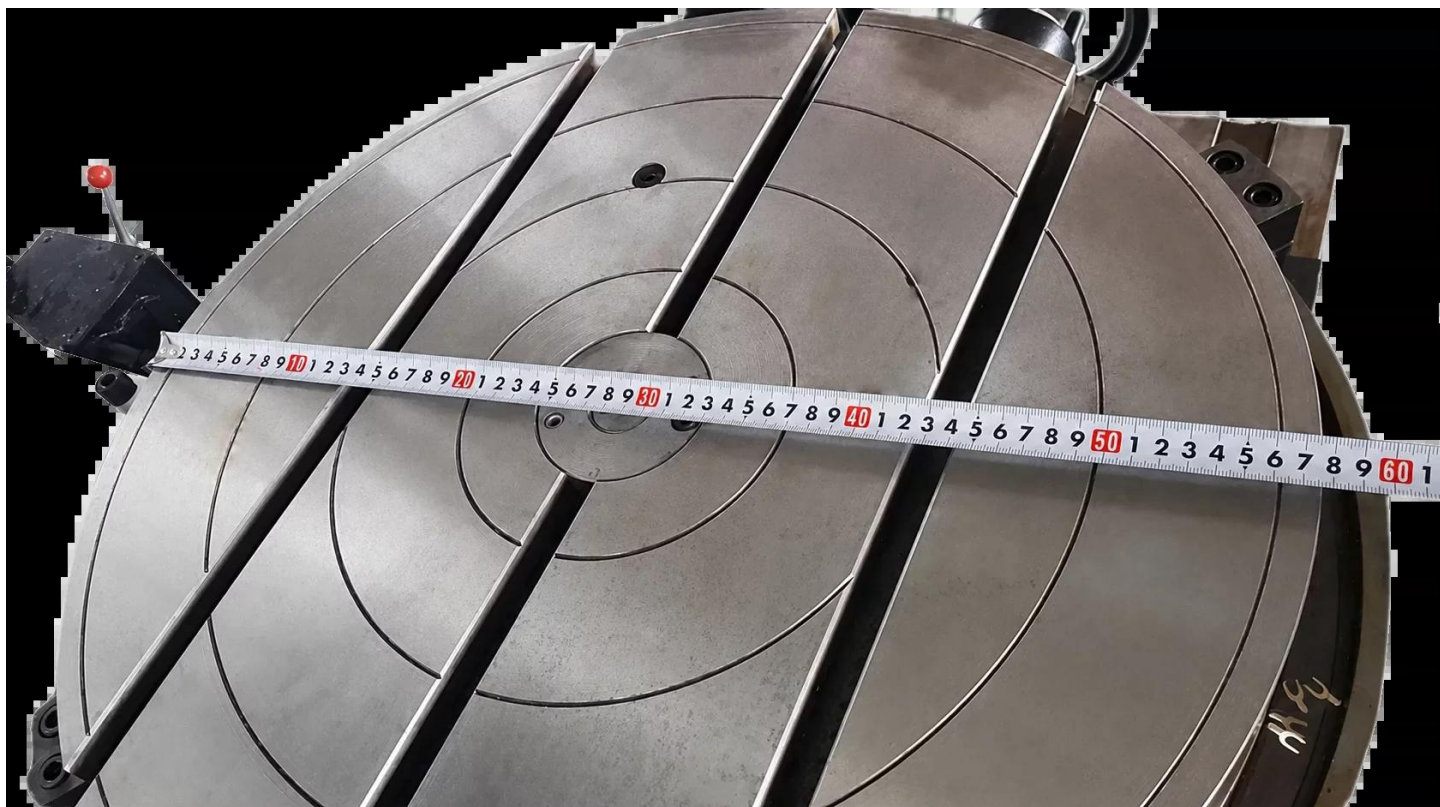
Images of the B5032D Slotting Machine and Machine Details



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View



630 mm Rotary Table



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Construction and Working Area Detail
Machine Characteristics

Vertical Slotting Machine for Precision Machining of Large Workpieces

The Digima B5032D slotting machine is designed for machining components requiring keyways, channels and formed surfaces. Thanks to the vertical ram movement, the cutting tool performs a repeatable working motion, enabling machining of features difficult to produce using conventional milling methods.

320 mm maximum slotting length – suitable for machining deeper keyways and channels in larger metal components.

4 ram stroke speeds – 20, 32, 50 and 80 strokes/min allow working dynamics to be matched to the material.

630 mm rotary table – facilitates setup of larger workpieces and machining at different angles.

500 kg maximum table load – enables work with heavier workpieces and stable clamping.

0–8° ram inclination – allows the tool setup to be matched to machining requirements.

18 mm T-slot – enables secure clamping of workpieces, fixtures and tooling on the table.

Powerful 4 kW main drive – stable operation during machining of steel, cast iron and other metals.

Approximate weight of 3000–3200 kg – the substantial machine mass reduces vibration and increases operational safety.

Machining Process

How Does the B5032D Slotting Machine Work?

Operation of the slotting machine involves clamping the workpiece on the working table, setting the tool, selecting the appropriate stroke speed and performing machining with a reciprocating motion. The adjustable table and ram allow the workpiece position to be matched to the required keyway or channel geometry.



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1

Workpiece Clamping

The workpiece is clamped on the 630 mm rotary working table using the 18 mm T-slot and suitable tooling.

2

Tool Setup

The operator selects the slotting tool, sets the ram, its optional 0–8° inclination and the table-feed parameters.

3

Keyway Slotting

The machine performs machining with a vertical motion, while table feed enables the required length and shape of the machined surface to be achieved.

Applications

What Is the Digima B5032D Suitable For?

Keyways and Channels

- Keyways.
- Internal and external channels.
- Technical recesses and cut-outs.
- Machining of formed surfaces.

Workshop and Toolroom

- Single-piece production.
- Machine-part refurbishment.
- Tooling production.
- Maintenance work.

Metal Production

- Machining steel and cast iron.
- Preparation of mechanical components.



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- Production of technical parts.
- Machining workpieces up to 500 kg on the table.

Safety and Stability

Construction Prepared for Heavy Workshop Duty

The machine weight of approximately 3000–3200 kg increases stability during machining and helps damp vibration. As a result, the B5032D is suitable for slotting components requiring precision, repeatability and secure clamping. The 630 mm diameter working table with a load capacity of up to 500 kg enables work with substantial workpieces.

High machine weight — a stable operating base and reduced vibration during slotting.

Table with T-slot — secure workpiece and tooling clamping.

4 kW main motor — stable torque and reliable drive operation.

Operating speed adjustment — 4 stroke-speed ranges allow safer work with different materials.

Technical Specifications

Technical Parameters of the Digima B5032D Slotting Machine

Model **B5032D**

Machine Type **Metal Slotting Machine / Vertical Slotter**

Brand **Digima**

Manufacturer Code **B5032D**

Condition **New**

Supply Voltage **380 V**

Maximum Power **4000 W**

Main Motor Power **4 kW**

Maximum Slotting Length **320 mm**

Ram Stroke Rate **20 / 32 / 50 / 80 strokes/min**

Number of Stroke-Speed Ranges **4 speed ranges**

Ram Inclination Range **0–8°**

Working Table Diameter **630 mm**

Vertical Adjustment Range of Ram Block **315 mm**

Distance from Tool Holder Face to Column **600 mm**

Distance from Table Surface to Lower Part of Ram Guideway **490 mm**



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Maximum Longitudinal Table Travel **480 mm**
Maximum Cross Table Travel **480 mm**
Maximum Table Rotation Angle **360°**
Table Feed Range **0.08–1.21 mm/stroke**
Rotary Table Feed Range **0,052–0,783°**
Maximum Slotting Tool Size **25 × 40 mm**
Maximum Slotting Force **7,5 kN**
Maximum Table Load **500 kg**
T-Slot Width at Table Centre **18 mm**
Net Machine Weight **3200 kg**
Product Weight with Individual Packaging **3000 kg**
Packaging / Transport Dimensions **2335 × 1506 × 2287 mm**
Packaging Condition **Original**