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Digima TW2400 automatic bending machine for PVC and acrylic materials, up to 10mm





Digima TW2400 – automatic bending machine for PVC, acrylic, plexiglass and plastics up to 10 mm

Automatic plastic bending machine

Digima TW2400 Automatic Bending Machine

Professional bending machine for PVC, acrylic, plexiglass and thermoplastics with a 2400 mm working length



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Digima TW2400 is an automatic bending machine designed for professional processing of thermoplastic materials. The machine enables fast, precise and repeatable bending of acrylic, PVC, plexiglass, polycarbonate and other plastic sheets with a thickness of **1 to 10 mm**.

The use of **quartz tube heating** ensures even heating of the material along the entire **2400 mm** working length. Water cooling stabilizes the process, protects material edges and supports repeatable results in series production.

2400

Maximum working length

2400 mm

1–10

Material thickness

1–10 mm

30–175

Bending angle range

30–175°

4500

Rated power

4500 W

Smooth, repeatable bending without material cracking.

TW2400 combines precise quartz heating, water cooling, 30–175° angle adjustment and a stable design prepared for advertising, technical and series production.

Product photos

TW2400 machine overview and bending machine details

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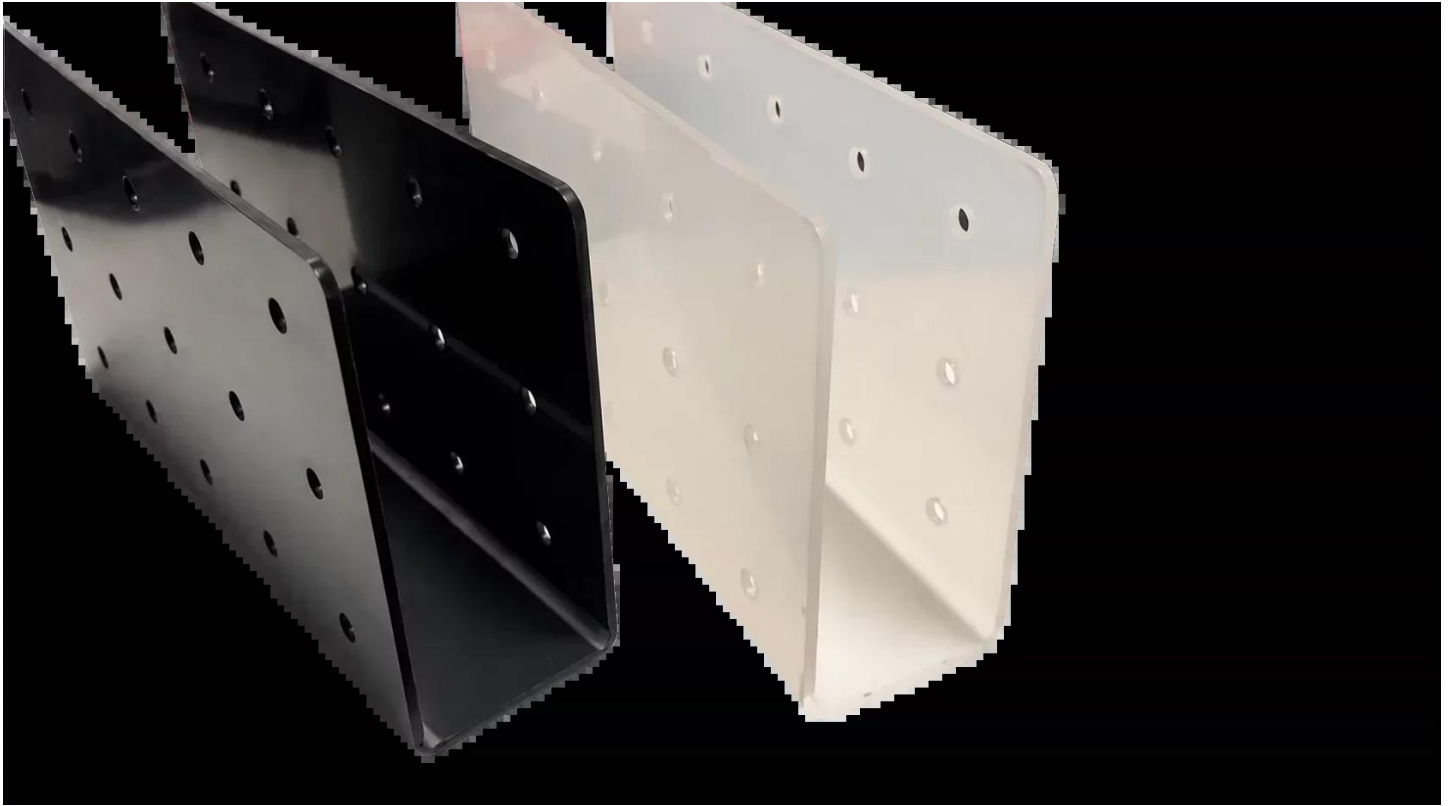


Full view of the TW2400 machine

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Machine detail – working element



Machine detail – controls and components
Operating technology

Quartz heating, water cooling and precise angle adjustment

At the heart of the Digima TW2400 bending machine is a quartz tube heating system that enables even heating of the material along the entire bending line. This makes the process more predictable, while the finished part retains a clean, smooth edge without cracking or excessive deformation.

1

Material positioning

The operator prepares an acrylic, PVC, plexiglass or other plastic sheet and positions it in the machine's working area.

2

Heating the bending line

The quartz tube heats the material evenly, while water cooling stabilizes the process and protects the edge of the workpiece.



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3

Repeatable bending

Angle adjustment within the 30–175° range allows serial parts with repeatable geometry to be produced.

Key advantages

Why choose Digima TW2400?

2400 mm working length — convenient processing of long sheets and advertising elements.

1–10 mm material thickness — work with thin and thicker plastic sheets.

30–175° angle range — flexible bending angle adjustment for different applications.

Quartz tube heating — even temperature distribution and an aesthetically clean bending line.

Water cooling — greater process stability and protection of the processed material edges.

Stable construction — reduced vibration and repeatable results in series production.

Intuitive controls — easy operation using dedicated buttons and the control panel.

High efficiency — faster part preparation compared with manual methods.

Materials and applications

Which materials and products is TW2400 suitable for?

The Digima TW2400 automatic bending machine has been designed for working with a wide range of plastics. It is ideal for sign-making workshops and companies manufacturing displays, enclosures, 3D letters, shelves, POS elements, guards, panels and technical thermoplastic parts.

Acrylic and plexiglass — production of displays, 3D letters, stands and advertising elements.



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PVC – bending of technical sheets, panels, enclosures and functional components.

PC / polycarbonate – processing of sheets requiring precise heating and stable bending.

PP, PE, PS, PET – work with popular thermoplastics used in advertising and industry.

Advertising production – signs, block letters, stands, displays and POS elements.

Technical production – guards, panels, machine enclosures and plastic components.

Technical specification

Digima TW2400 technical parameters

Model **TW2400**

Machine type **Automatic bending machine for plastics**

Brand **Digima**

Manufacturer code **TW2400**

Maximum working length **2400 mm**

Processed material thickness range **1–10 mm**

Bending angle range **30–175°**

Heating method **Quartz tube heating**

Cooling system **Water cooling**

Rated power **4500 W**

Compatible materials **Acrylic, plexiglass, PC, PVC, PP, PE, PS, PET and other plastics**

Overall machine dimensions **3500 × 1600 × 1880 mm**

Total weight **800 kg**

Application **Bending of acrylic, PVC, plexiglass, polycarbonate and other thermoplastic sheets**

Industries **Advertising, displays, 3D letters, enclosures, panels, plastic component production**

Condition **New**

Packaging condition **Original**