



KARTA PRODUKTOWA

FW-1300 Acrylic Polishing Machine





FW-1300 – machine for polishing the edges of acrylic, plexiglass, PMMA, PETG and PE

Acrylic Polishing Machine



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FW-1300 Acrylic Polishing Machine

Compact Machine for Diamond Polishing Acrylic and Plexiglass Edges with a Mirror Finish

FW-1300 is a professional machine for polishing the edges of plastics such as **acrylic, plexiglass, organic glass, PMMA, PETG and PE**. The unit uses PCD and monocrystalline cutting tools to achieve a very smooth, clear and aesthetically pleasing post-machining surface.

The **FW-1300** model is designed for precision work with acrylic, plexiglass and engineering-plastic components. With a working length of **1300 mm**, the machine is well suited to producing advertising displays, exhibition stands, light guide plates, signs, decorative components and workpieces requiring high edge transparency.

1300

Working Machining Length

1300 mm

0–60°

Angular Polishing Range

0–60°

100

Max. Polishing Thickness

100 mm

PCD

Machining Technology

PCD and Monocrystalline Tools

Mirror-Finish Edge, Compact Construction and High Workpiece Transparency.

The FW-1300 produces a smooth, aesthetically pleasing polished surface, particularly on acrylic, plexiglass and PMMA components used in advertising, display and lighting applications.

Product Images

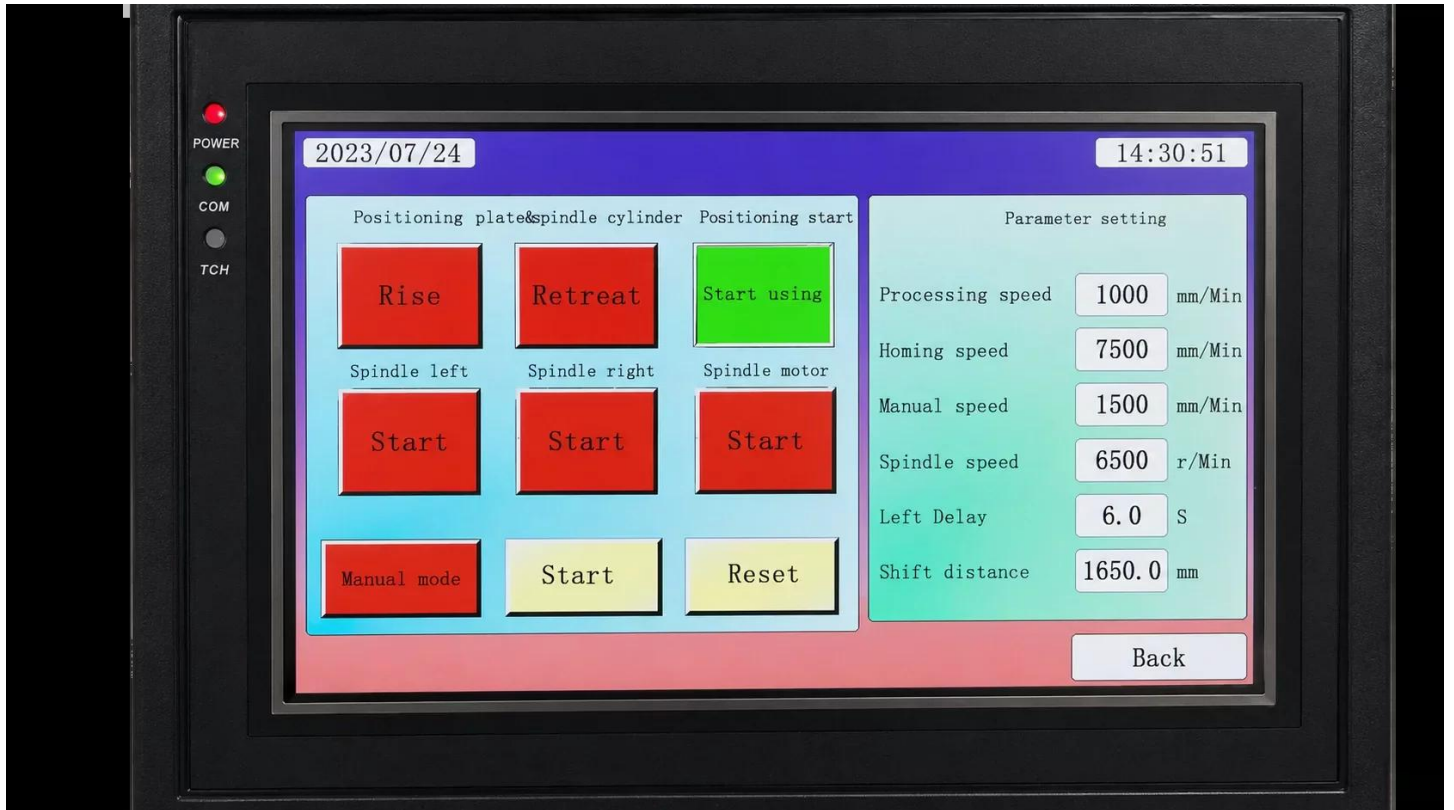
FW-1300 Machine Images and Details



FW-1300 Main Polishing Machine View



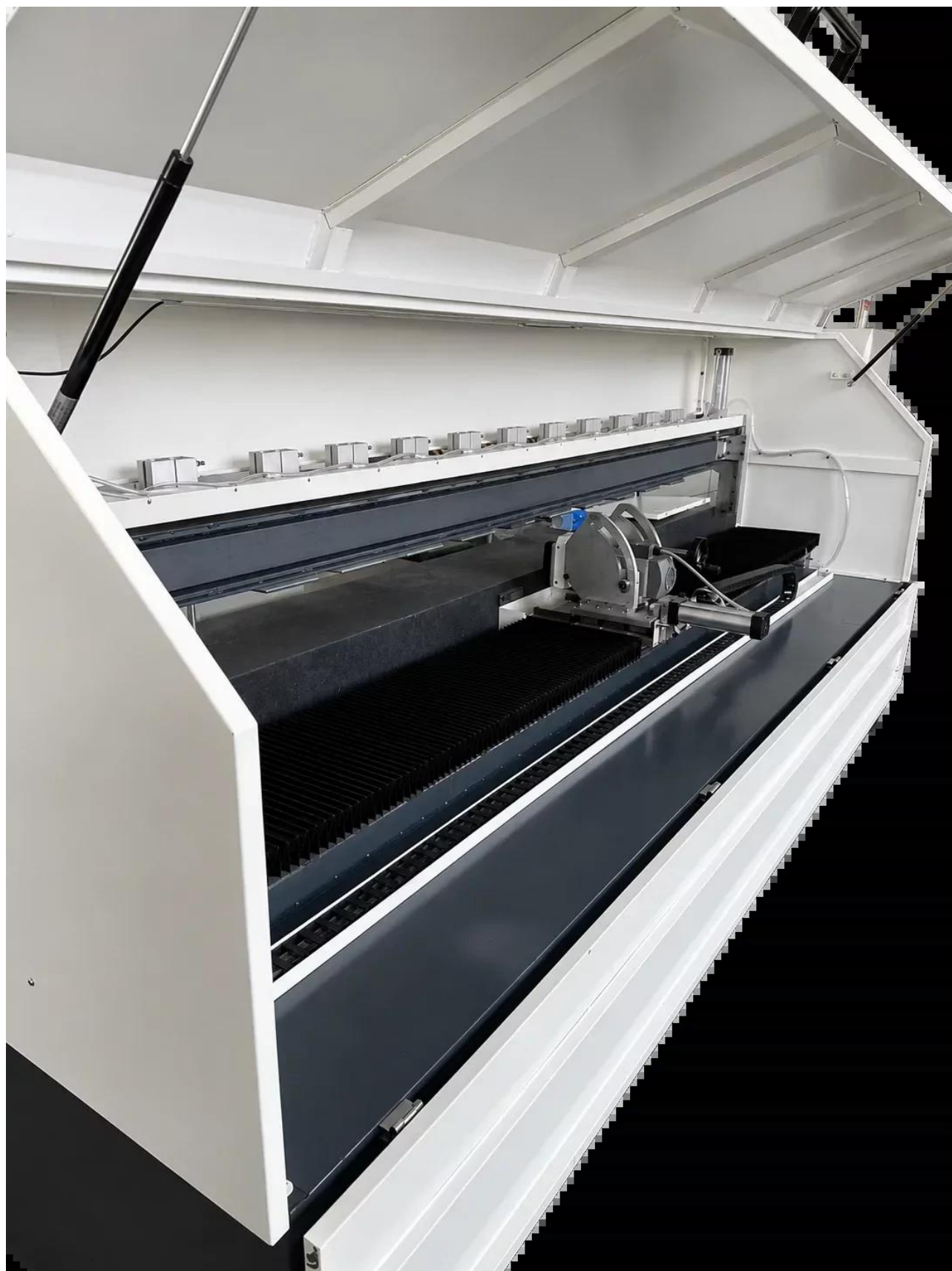
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Touchscreen Control Panel



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Edge Polishing Zone

Key Benefits

Why Choose the FW-1300?

1300 mm Working Length – convenient machining of acrylic, plexiglass and medium-format advertising panels.

Mirror-Finish Edges – the machine produces a very smooth and aesthetically pleasing surface after polishing.

Multi-Material Processing – designed for acrylic, plexiglass, PMMA, PETG, PE and organic glass.

0–60° Angle Range – enables polishing of straight and inclined surfaces.

Thickness up to 100 mm – machining of both thin and thicker plastic components.

Touchscreen Control Panel – more convenient operation and faster parameter setup.

PC Control – stable machine operation and process repeatability in serial production.

Precision Adjustment – digital settings and servo drive support edge-polishing accuracy.

Applications

Where Is the FW-1300 Polishing Machine Suitable?

The FW-1300 is designed for companies processing acrylic, plexiglass and plastics, especially where a clear, smooth and aesthetically pleasing edge without discoloration is required. Its compact working length makes the FW-1300 well suited to producing advertising, display and decorative components.

Advertising Production – 3D letters, lightboxes, signs and visual-identification components.

Displays and Stands – machining of transparent exhibition and retail-display components.



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Light Guide Plates — particularly suitable for components requiring high transparency.

Plexiglass and PMMA Components — edge machining of technical, decorative and functional components.

Serial Production — repeatable edge quality for larger production quantities.

Technical Plastic Machining — components made of PETG, PE and other plastics requiring a clean edge.

Product Video

See the FW-1300 Polishing Machine in Operation

The video presents machine operation, the edge-machining method and the polishing results for acrylic, plexiglass and PMMA.

FW-1300 Acrylic Polishing Machine in Operation
Specifications

FW-1300 Technical Parameters

Model **FW-1300**

Machine Type **Acrylic Polishing Machine**

Main Function **Polishing edges of acrylic, plexiglass, PMMA, PETG, PE and organic glass**

Working Machining Length **1300 mm processing length**

Workpiece Width **Unlimited**

Surface Polishing Range **0–60°**

Maximum Polishing Thickness **100 mm**

Supply Voltage **380 V / 220 V optional**

Control Panel **Touchscreen Control Panel**

Spindle and Angle Adjustment **Spindle feed and cutting-angle adjustment performed by servo drive**

Parameter Adjustment **High-Accuracy Digital Adjustment**

Control System **PC control, stable machine operation**

Machining Tools **PCD and Monocrystalline Tools**

Machining Result **Smooth, mirror-like, transparent surface without discoloration**

Manufacturer / Brand **CNC Machinery**