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FW-1600 Acrylic Polishing Machine

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FW-1600 — machine for polishing the edges of acrylic, plexiglass, PMMA, PETG and PE

Acrylic Polishing Machine

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FW-1600 Acrylic Polishing Machine

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

FW-1600 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-1600** model is particularly recommended for producing advertising components, exhibition stands, light guide plates, signs, decorative elements and workpieces where high transparency and the absence of discoloration after polishing are essential.

1350
Working Machining Length
1350 mm
0–60°
Angular Polishing Range
0–60°
100
Max. Polishing Thickness
100 mm
PCD
Machining Technology
PCD and Monocrystalline Tools
Mirror-Finish Edge Without Discoloration and High Workpiece Transparency.

The FW-1600 produces a smooth, aesthetically pleasing polished surface, particularly on acrylic, plexiglass and PMMA components used in advertising, display and lighting applications.

Product Images

FW-1600 Machine Images and Details

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FW-1600 Main Polishing Machine View

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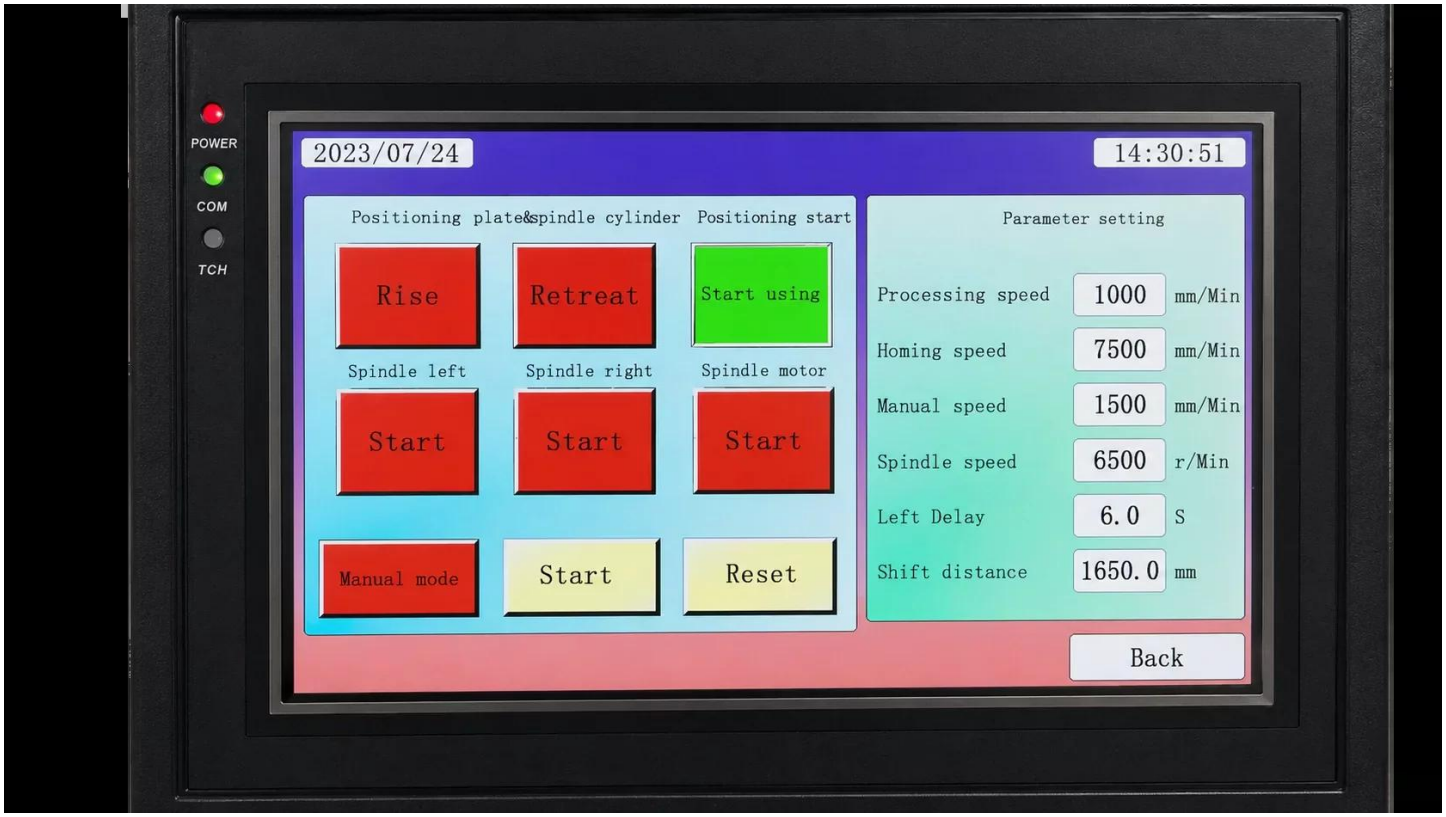

Touchscreen Control Panel

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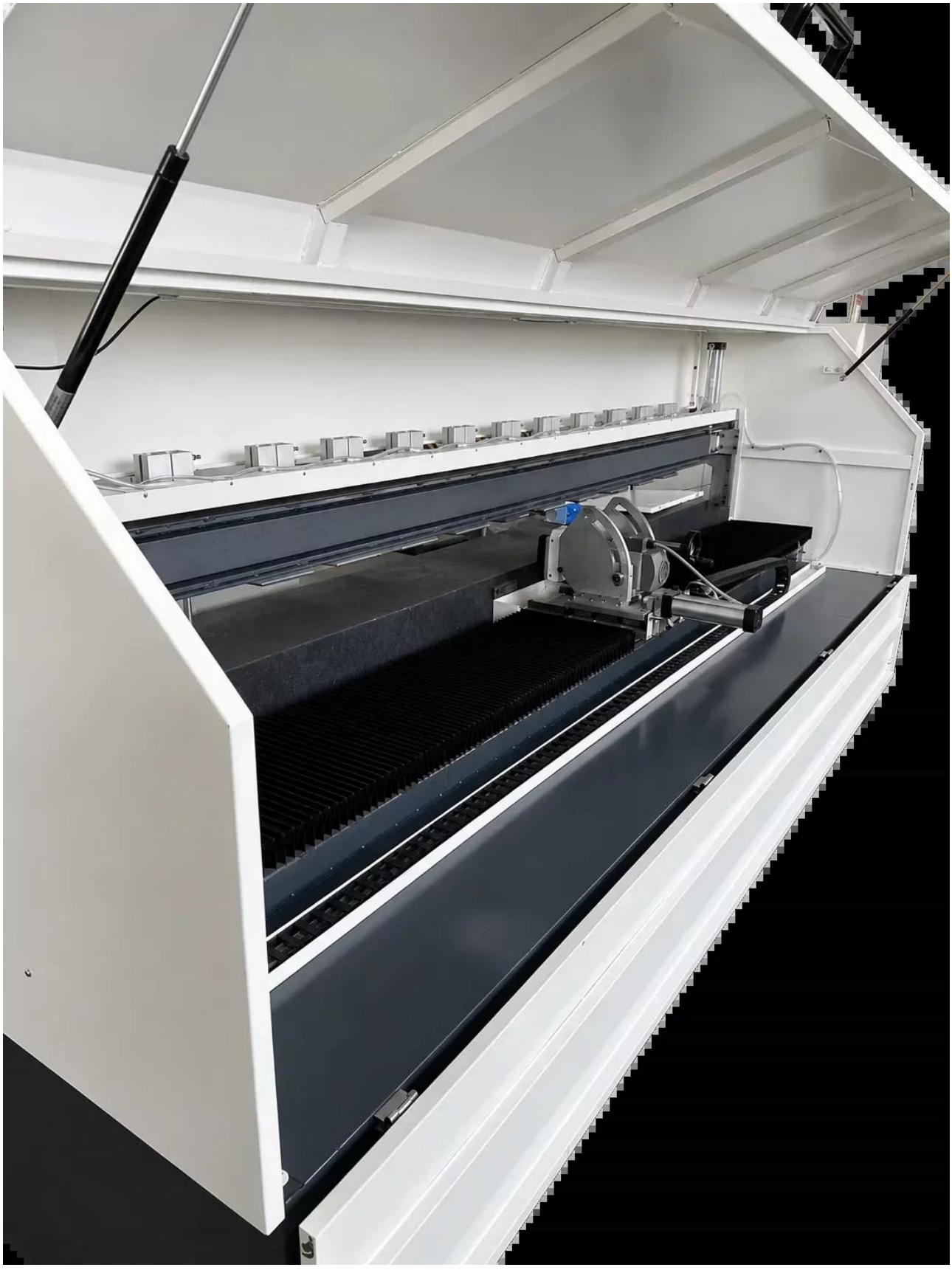

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Edge Polishing Zone
Key Benefits

Why Choose the FW-1600?

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.

Servo-Driven Adjustment — spindle feed and cutting-angle adjustment are performed by servo drive.

Long Workpiece Processing — enables machining workpieces of unlimited length thanks to extendable material guidance.

Applications

Where Is the FW-1600 Polishing Machine Suitable?

The FW-1600 is designed for companies processing acrylic, plexiglass and plastics, especially where a clear, smooth and aesthetically pleasing edge without discoloration is required. The machine is well suited to producing advertising, display and lighting components.

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

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

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

Decorative Components — polishing the edges of plexiglass, acrylic and PMMA workpieces.

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-1600 Polishing Machine in Operation

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

FW-1600 Acrylic Polishing Machine in Operation
Specifications

FW-1600 Technical Parameters

Model **FW-1600**
Machine Type **Acrylic Polishing Machine**
Main Function **Polishing edges of acrylic, plexiglass, PMMA, PETG, PE and organic glass**
Working Machining Length **1350 mm processing length; unlimited width**
Surface Polishing Range **0–60°**
Maximum Polishing Thickness **100 mm**
Supply Voltage **380 V / 220 V optional**
Machine Dimensions **2350 × 1150 × 1600 mm**
Long Workpiece Handling **Capability to process workpieces of unlimited length thanks to extendable material guidance**
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**
Image Notes