KARTA PRODUKTOWA

FW-2500 Acrylic Polishing Machine

KARTA PRODUKTOWA

FW-2500 — machine for polishing the edges of acrylic, plexiglass, PMMA, PETG and PE

Acrylic Polishing Machine

KARTA PRODUKTOWA

FW-2500 Acrylic Polishing Machine

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

FW-2500 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-2500** model is designed for long workpieces and larger sheet formats. With a working length of **2500 mm** and the option to extend material guidance, the machine is well suited to producing advertising displays, exhibition stands, light guide plates, signs, decorative components and workpieces requiring high edge transparency.

2500
Working Machining Length
2500 mm
0–60°
Angular Polishing Range
0–60°
100
Max. Polishing Thickness
100 mm
PCD
Machining Technology
PCD and Monocrystalline Tools
Mirror-Finish Edge, Large Working Format and High Workpiece Transparency.

The FW-2500 produces a smooth, aesthetically pleasing polished surface, particularly on long acrylic, plexiglass and PMMA components used in advertising, display and lighting applications.

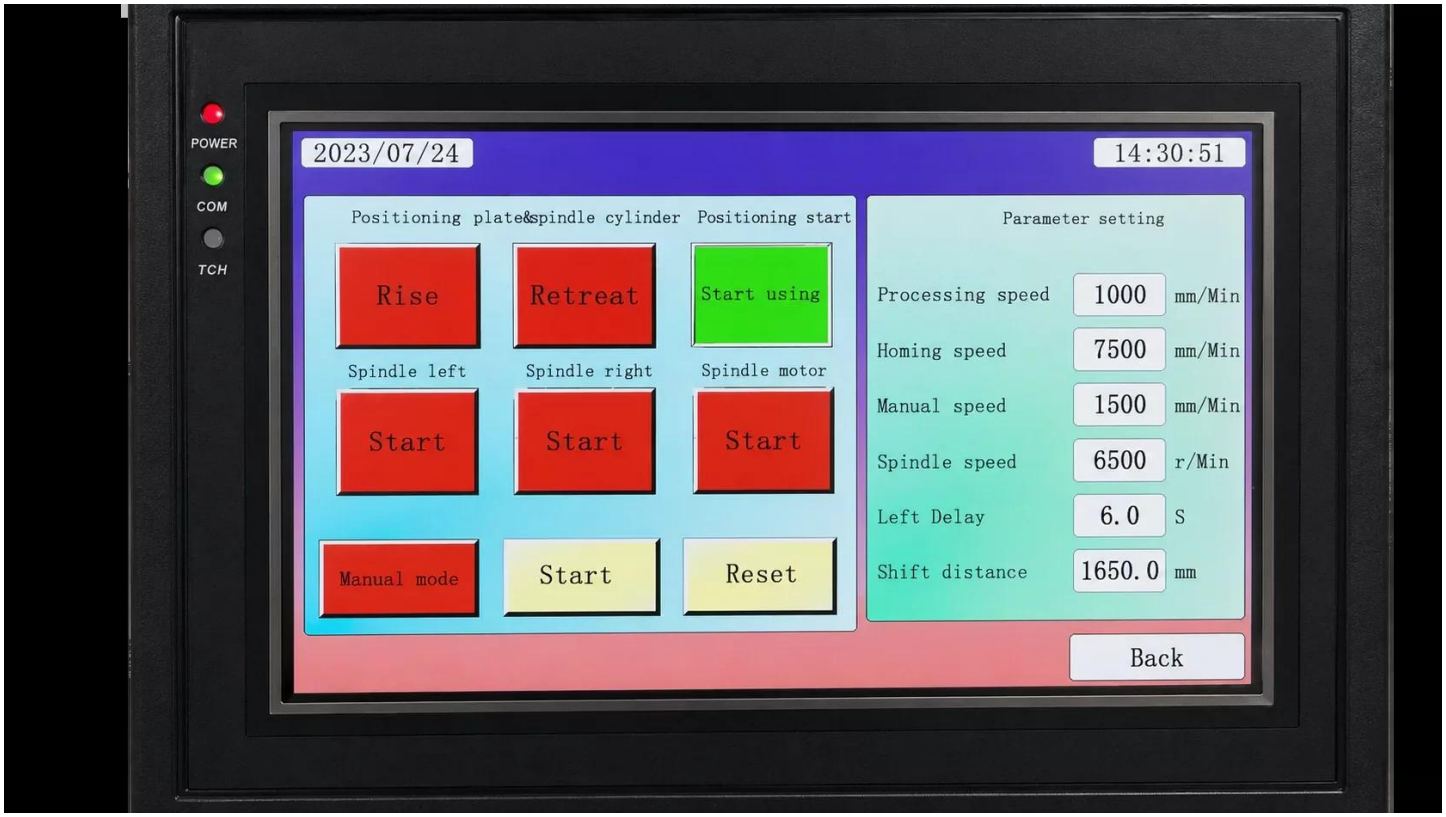
Product Images

FW-2500 Machine Images and Details

KARTA PRODUKTOWA

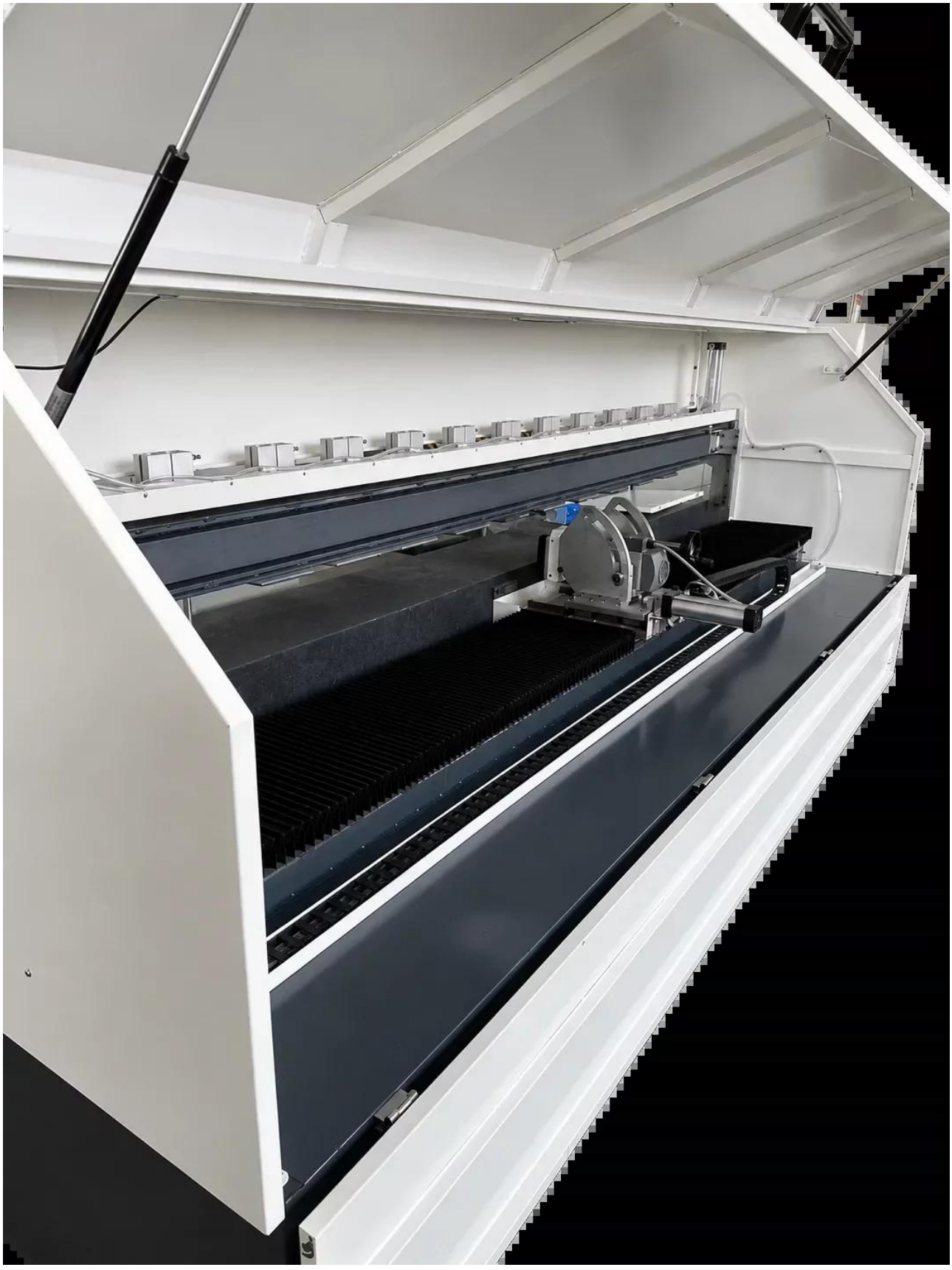
FW-2500 Main Polishing Machine View

KARTA PRODUKTOWA



Touchscreen Control Panel

KARTA PRODUKTOWA



KARTA PRODUKTOWA

Edge Polishing Zone
Key Benefits

Why Choose the FW-2500?

2500 mm Working Length — convenient machining of long components, sheets and advertising formats.

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.

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

Applications

Where Is the FW-2500 Polishing Machine Suitable?

The FW-2500 is designed for companies processing acrylic, plexiglass and plastics, especially where a clear, smooth and aesthetically pleasing edge without discoloration is required. Its long working length makes the FW-2500 well suited to larger formats and long workpieces.

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.

Large Sheets and Long Formats — edge machining of larger plexiglass, acrylic and PMMA 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-2500 Polishing Machine in Operation

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

FW-2500 Acrylic Polishing Machine in Operation
Specifications

FW-2500 Technical Parameters

Model **FW-2500**
Machine Type **Acrylic Polishing Machine**
Main Function **Polishing edges of acrylic, plexiglass, PMMA, PETG, PE and organic glass**
Working Machining Length **2500 mm processing length; option for unlimited extension of material guidance**
Workpiece Width **Unlimited**
Surface Polishing Range **0–60°**
Maximum Polishing Thickness **100 mm**
Supply Voltage **380 V / 220 V optional**
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**