领益智能
LINGYI INTELLIGENT

LINGYI INTELLIGENT MACHINES

Automatic Deburring Machine

Deburring | Polishing | Wide Belt Sanders



Automatic Deburring Machine

Edge Sander

Belt Sander Machine

Polishing Machine

Precision burr removal, built for volume

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1,500 mm

Maximum sheet width

0.5–80 mm

Material thickness range

60%

Lower product defect rates

25%

Lower manual labor cost

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Three finishing solutions, one line

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Wide Belt Sander

Heavy-duty abrasive belts for fast burr removal and flat, consistent surfaces.

Belt sander machine →



Edge Rounding & Chamfering

Rounds corners and removes burrs in one pass for safe, coating-ready edges.

Edge sander →



Metal Polishing

Removes micro-scratches for a uniform satin, brushed or mirror finish.

Polishing machine →

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Key features

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1

High-Speed Throughput

More parts per shift without losing edge quality.

2

Precision Automated Control

100% processing consistency across high-volume runs.

3

Quick-Change Tooling

Fast belt and brush swaps cut setup downtime.

4

Consistent R2 Rounding

Uniform 2.0 mm radius corners in a single pass.

5

Versatile Processing

Sheets up to 1,500 mm wide, 0.5–80 mm thick.

6

Safe and Durable

Heavy-duty frame, safety guards, smart diagnostics.

Machine configurations

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1

Magnetic Table Clamping

Best for carbon steel and ferrous alloys.
Strong hold for aggressive slag and burr removal.

2

Vacuum Suction Clamping

Best for aluminum, stainless, brass, thin sheet.
Even hold-down with no scratching or deformation.

3

Dry and Wet Options

Best for mixed-material workshops.
Coolant and filtration for edge quality and dust safety.

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Modular workstation combinations

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Workstation	Target application	Performance
Belt + Brush	Laser-cut sheet metal	Standard deburring, uniform R2 edges
Belt + Brush + Belt	Premium stainless sheets	Fine smoothing, higher gloss consistency
Double Belt	Heavy slag, thick plate	Dual-pass coarse and fine grinding
Belt + Chamfering	Perforated, multi-hole parts	Pronounced beveling, deep chamfers
Belt + Polishing	Visible external panels	Uniform satin, brushed texture
Belt + Brush + Polishing	High-end decorative parts	Edge rounding plus surface refining
Belt + Oxide Removal	Plasma and flame-cut parts	Fast slag stripping, oxide cleaning
Brush + Polishing	Stamped parts, light burrs	Gentle rounding, smooth finish
Robotic Automation	Complex 3D contoured parts	Multi-axis automated deburring

Five functions, proven results

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1. **Burr Removal**
   clean, safe edges
2. **Edge Rounding**
   better coating adhesion
3. **Surface Finishing**
   uniform appearance
4. **Oxide Removal**
   better welding and bonding
5. **Heavy Slag Removal**
   thick-plate processing

Aerospace Precision Finishing

CNC edge chamfering removes stress risers and meets NDT quality standards.

Automotive Sheet Metal

Inline deburring cut defect rates by 60% and manual labor by 25%.

Turnkey Installation and Service

On-site commissioning, integration and training in India and worldwide.

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Why partner with IMACHINE

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1

Global Standards, Local Support

European-quality design with rapid-response service and on-site engineers.

2

Customized Engineering

Station layouts, clamping and line integration tailored to your sheets.

3

Heavy-Duty Construction

Reinforced frames and smart sensors for low-maintenance 24/7 production.

4

High ROI

Over 60% fewer defects, lower labor cost and rapid payback.

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Take your production quality to the next level

Touch-safe edges, perfect coating adhesion and unmatched throughput.

Talk to our deburring specialist

Automatic Deburring Machine

Edge Sander

Belt Sander Machine

Polishing Machine

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