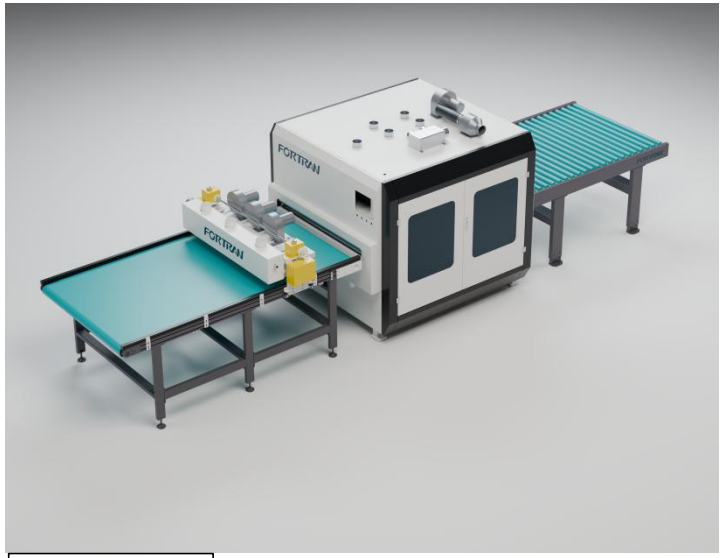
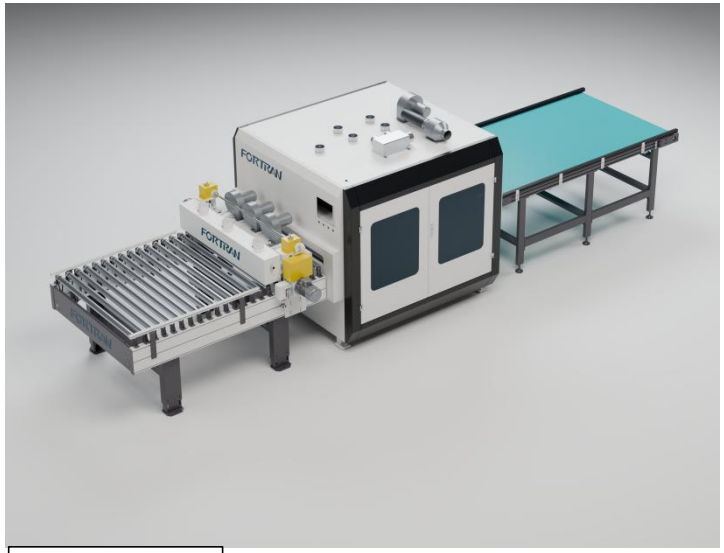
SW130 Series Panel Cleaning Machine



SW1300



SW1300 pro



SW1300 max

Product Applications

Double-sided cleaning of panels: removes surface dust and deep-hole dust, stains, oil marks, fingerprints, residual adhesive, glue splatter and glue-line overflow, and eliminates static.

·Industry-first design with an exclusive structural patent.
·Three-in-one blow–sweep–vacuum dedusting module for outstanding dust removal.
·24 sets of dual-combination cloths for powerful cleaning capacity and results.
·Unique cloth configuration: soft and hard cloths combined, dry and wet cloths combined.
·Industry-first slide-in rail structure for fast cloth replacement.
·Permeation-type spray pipe reduces cleaning-fluid consumption.
·Fully corrosion-resistant piping with metal fittings and Teflon tubing.
·Cloth mechanism in stainless steel and aluminium alloy: corrosion-resistant, no static build-up.
·Higher cleaning efficiency; lower overall panel cleaning cost; better panel cleanliness; highly consistent results.
·Completely removes harmful residues from the panel surface and eliminates odours.
·Can be linked in-line with other equipment for fully automated flow from edge banding and sorting through to packaging.

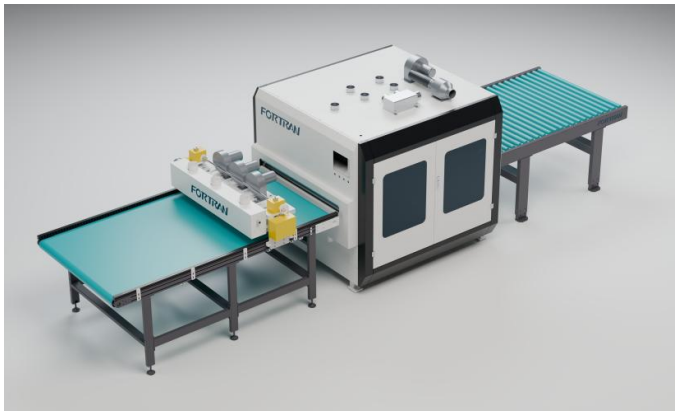


Plant photo

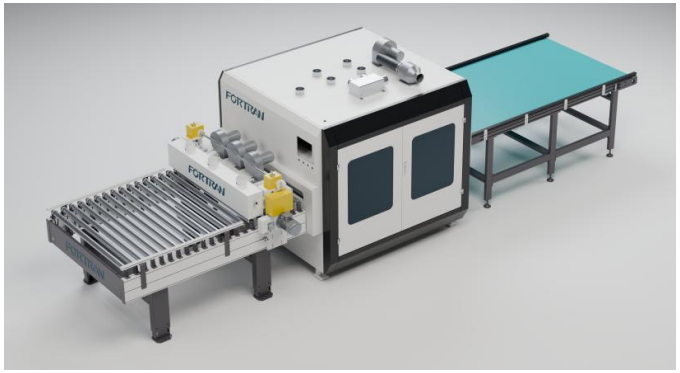
Three Model Positions



SW1300: glue-line handling and light surface dust



SW1300 Pro: enhanced top-surface dedusting, deep-hole dedusting of upward-facing holes and glue-line handling.



SW1300 Max: enhanced dedusting of both surfaces, deep-hole dedusting, glue-line handling and automatic conveying.

SW1300 Series Glue & Dust Removal Machine — Selection Chart

Category	Configuration / capability	SW1300	SW1300 Pro	SW1300 Max
Glue-line handling	**EVA glue-line cleaning**	Supported	Supported	Supported
	PUR glue-line cleaning	Within 24 h recommended	Same	Same
	Light surface dust	Supported	Supported	Supported
Top-surface dedusting	**Professional top-surface dust sweeping**	Not equipped	Equipped	Equipped
Bottom-surface dedusting	**Professional bottom-surface dust sweeping**	Not equipped	Not equipped	Equipped
Deep-hole dedusting	**Top-surface deep-hole dedusting**	Not equipped	Equipped	Equipped
Infeed	**Infeed interface type**	Stand-alone interface	Powered belt	Powered roller conveyor
Outfeed	**Outfeed interface type**	Stand-alone (optional)	Non-powered roller table	Powered belt
Typical application	**Application scenario**	Glue-line cleaning after edge banding	Dust on drilled panel top face	Automated line with dust on both faces

SW1300 Series — Machine Specifications

1. Main specifications

Parameter	SW1300	SW1300 Pro	SW1300 Max
Power	5.17 kW	6.1 kW	7.03 kW
Overall line dimensions (W × L × H)	1850 × 2060 × 1700 mm	1850 × 6060 × 1700 mm	1850 × 6060 × 1700 mm
Infeed / outfeed platform	—	Powered belt 2 m + non-powered roller table 2 m	Powered roller table 2 m + powered belt 2 m

2. Common processing parameters (identical on all three models)

Parameter	Value
Min. panel size	300 × 30 mm
Max. panel size	1250 × 3500 mm
Panel thickness	8 – 60 mm
Processing speed	0 – 25 m/min
Working table height	900 mm

Efficiency Data

Cost Comparison: In-Line Cleaning Machine vs Manual Cleaning

Item	Manual cleaning	Cleaning machine	Comparison	Remarks
Cleaning efficiency	Approx. 100 m² per person per 8 h	Approx. 1200 m² per machine with 2 operators per 8 h	12 ×	Output per operator rises 6 ×
Cleaning labour cost per m²	1.5 CNY/m²	0.2 CNY/m²	Saves 1300 CNY per day	Total cost is 1/5 of manual cleaning at equal output

Other advantages of the machine over manual wiping:

- High cleaning efficiency, greatly shortening the delivery cycle;
- Better results: surfaces that manual work cannot clean properly (solid colour, soft-touch, matt) come out spotless;
- Consistent quality, removing the differences caused by uneven operator diligence;
- Fewer operators, easier management.

SW1300 Series — Working Process

1. Infeed → Panels fed into the machine by powered roller conveyor or belt

2. Surface dedusting → Top and bottom dust swept and vacuumed

3. Deep-hole dedusting → Deep vacuuming of drilled and blind holes

4. Glue-line handling → EVA / PUR edge-banding glue lines cleaned

5. Outfeed → Clean panels discharged onto roller table / belt


Before cleaning
After cleaning


Before cleaning
After cleaning


Before cleaning
After cleaning

Eight Patents Granted



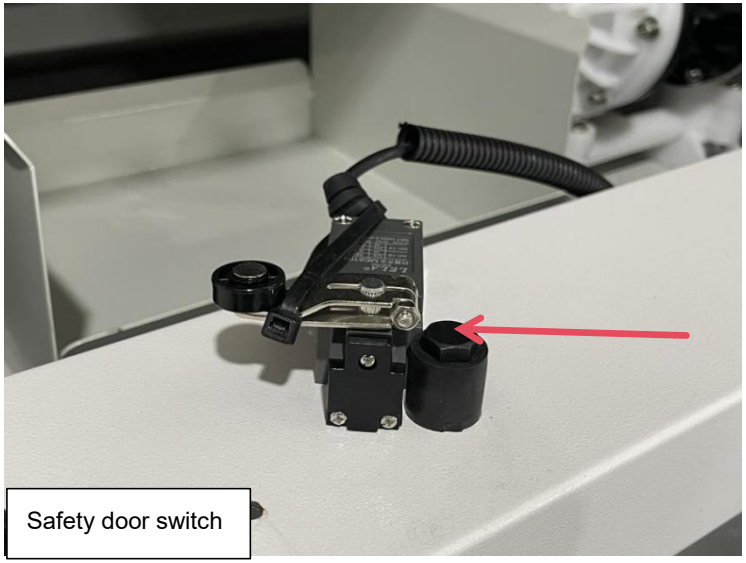
Also certified to CE, 3C and other standards

· Industry-first design with an exclusive structural patent; core technology is IP-protected and cannot be copied by competing products
· The infeed baffle device for deep-hole dedusting is FORTRAN's own patent, purpose-built for thorough cleaning of drilled panels
· Refined through eight years of continuous R&D and iteration, based on an in-depth study of every pain point in panel-furniture cleaning
· Before entering overseas markets, the machine was rigorously validated in large-scale mass production at leading domestic customers; it is not an experimental product

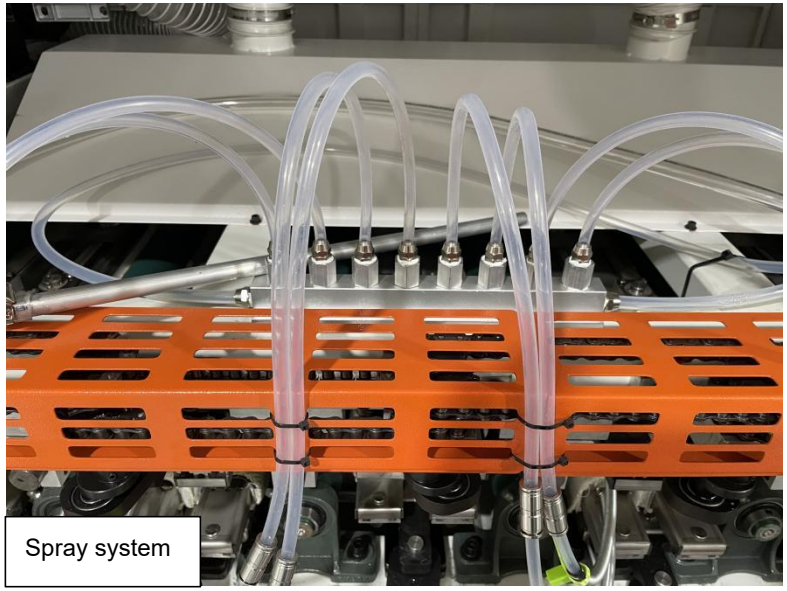
Core Structure



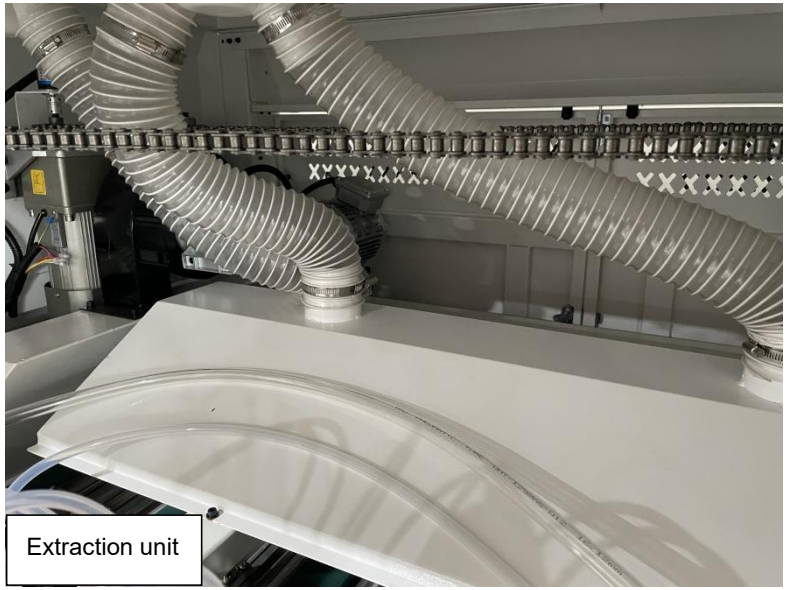
Fresh-air



Safety door switch



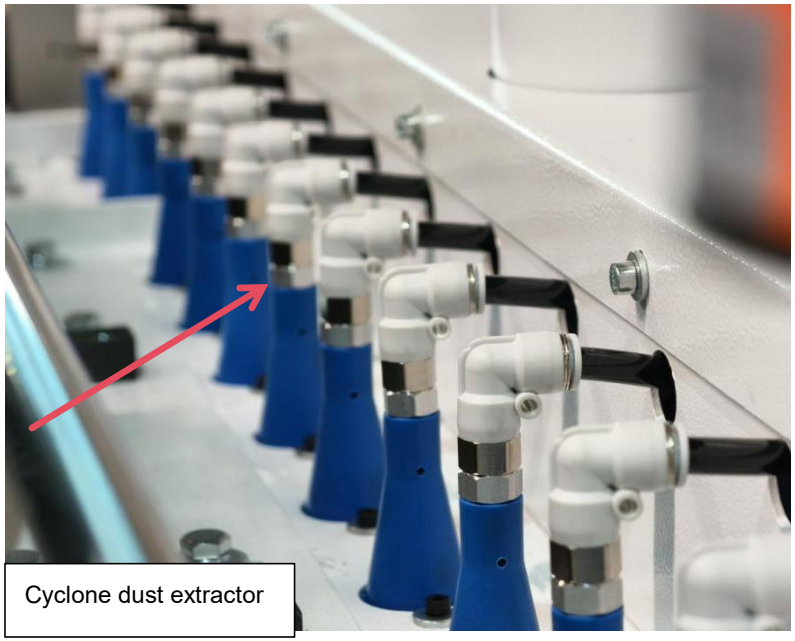
Spray system



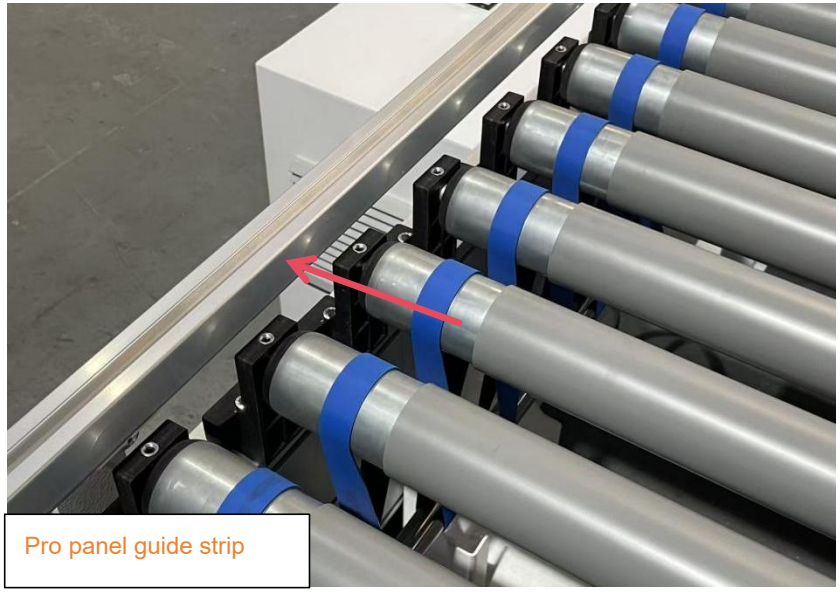
Extraction unit



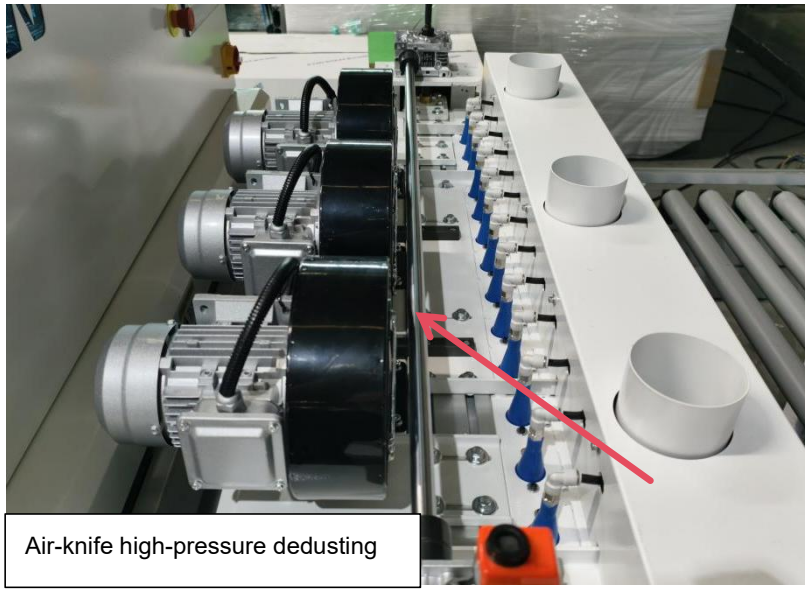
SICK photoelectric sensor



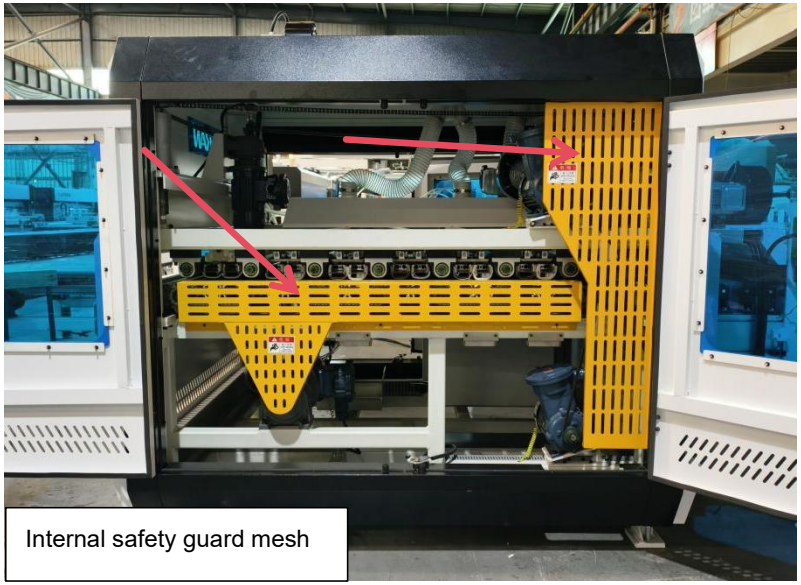
Cyclone dust extractor



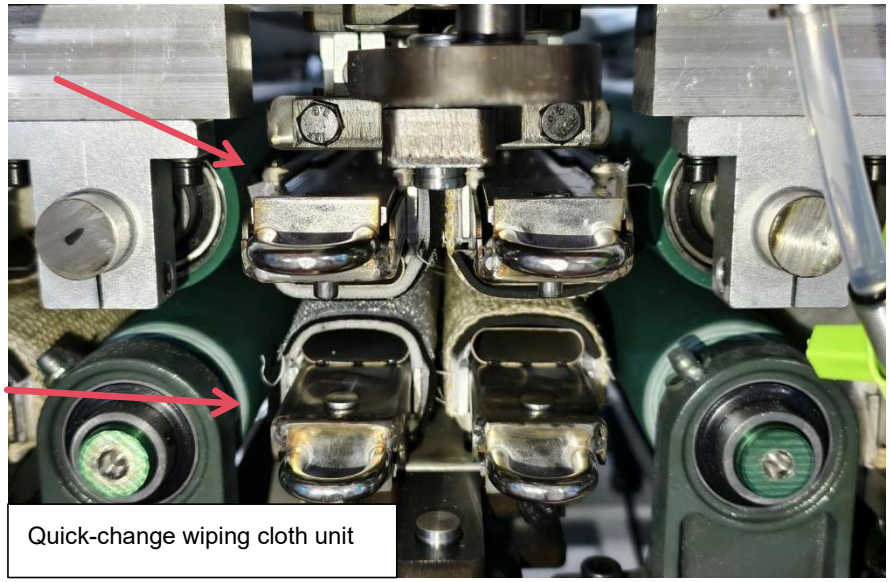
Pro panel guide strip



Air-knife high-pressure dedusting



Internal safety guard mesh



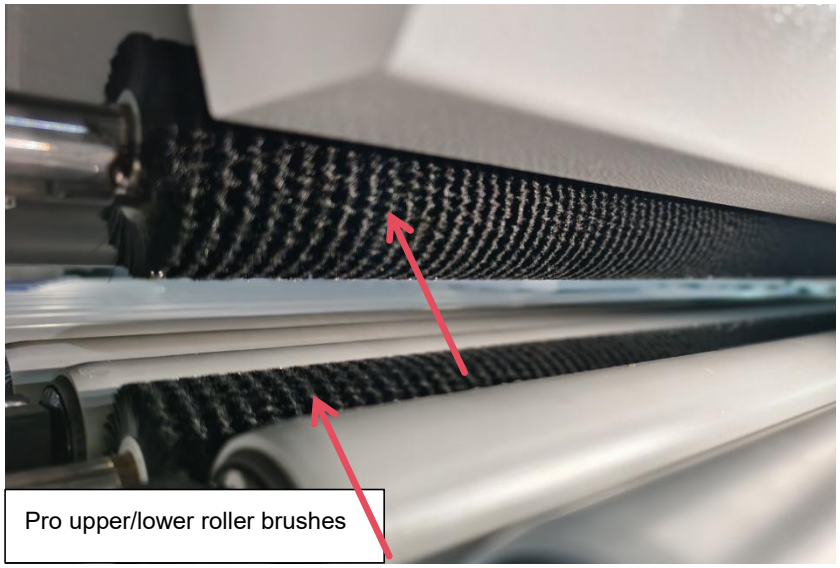
Quick-change wiping cloth unit



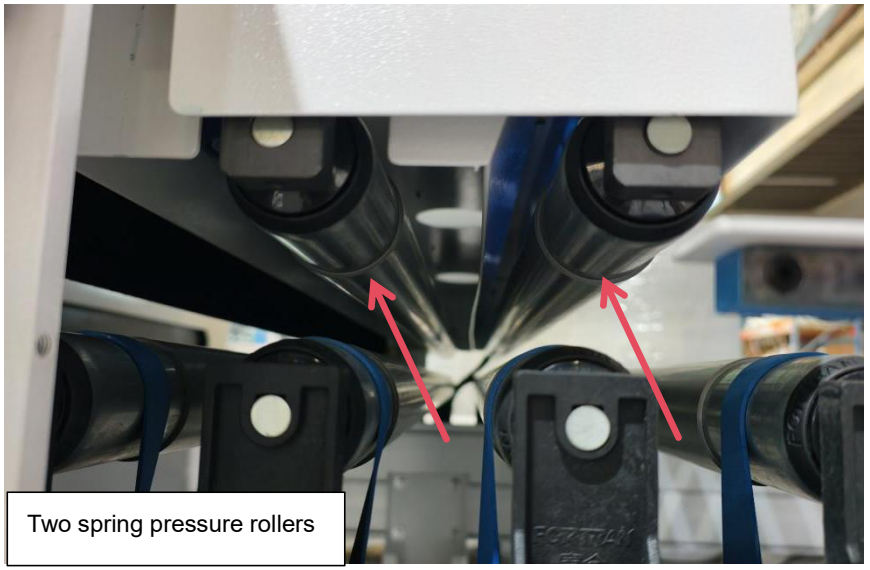
Machine side view



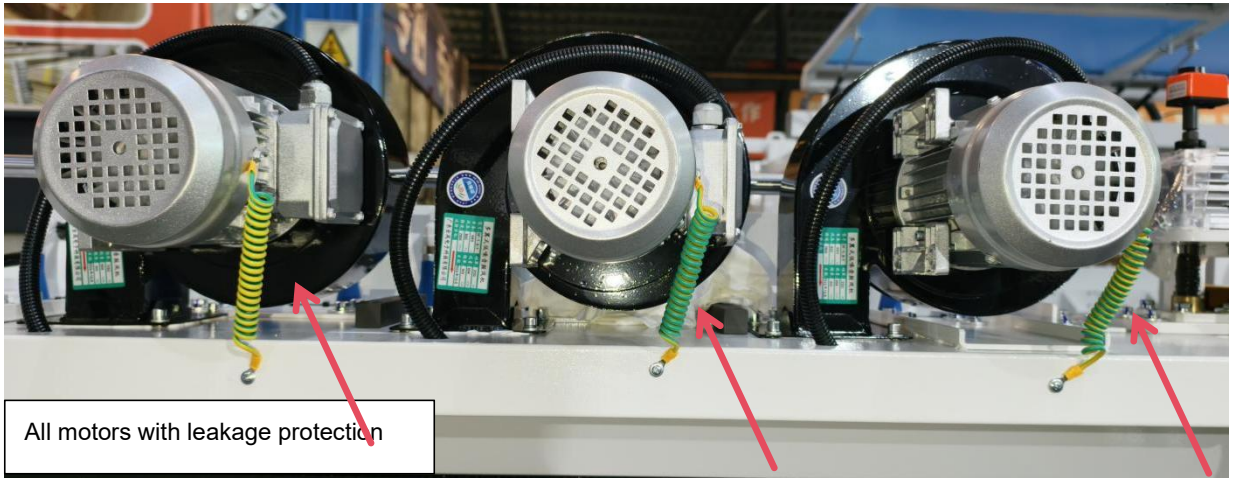
Pro rubber-coated roller



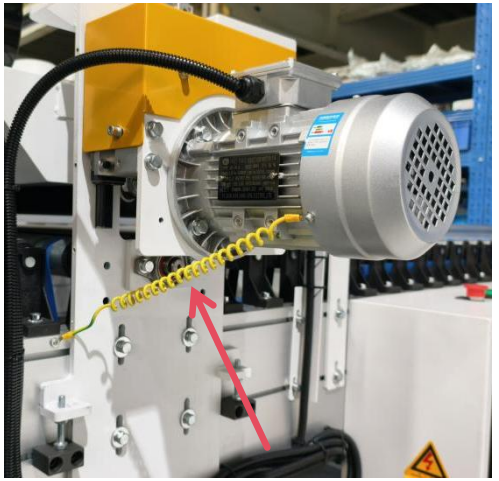
Pro upper/lower roller brushes

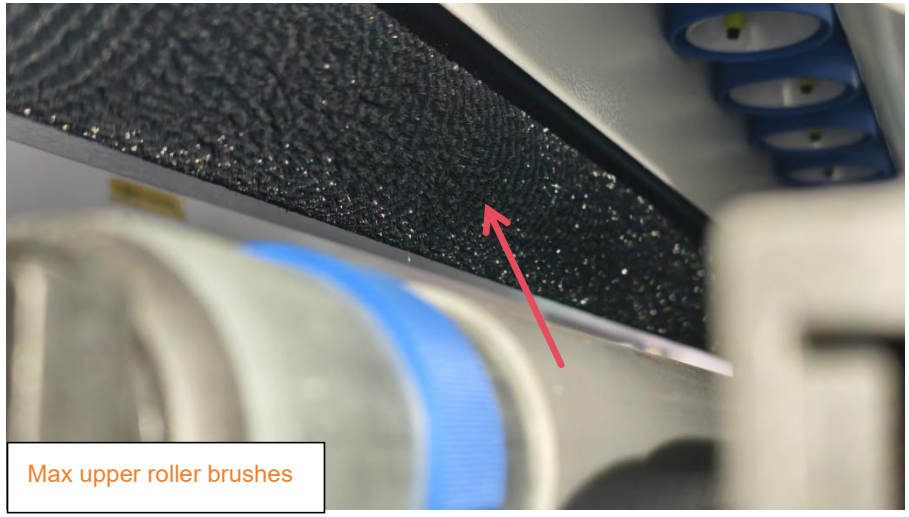


Two spring pressure rollers

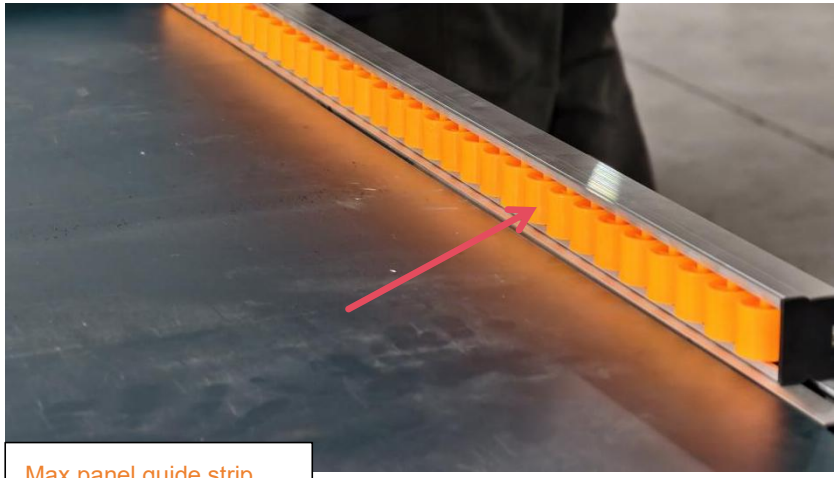


All motors with leakage protection





Max upper roller brushes



Max panel guide strip

Service & Customer Support

·More than 10 consumable spare-part kits supplied with every machine; each kit contains 24 sets of dual-combination cloths, drive belts and bearings for long-term stable operation

·Complete installation manual and user handbook supplied, supporting localised training by overseas distributors

·Can be linked with edge banders, sorting lines and packaging lines for a fully automated flow from edge banding to packed finished parts