CigarroSmart

AI leaf quality grading + cigar leaf shaper for manufacturers **ISO 9001**

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Who it's for

Cigar and tobacco manufacturers who need consistent **wrapper selection**, **binder/filler sorting**, and **factory QA standardization**—at industrial throughput, with less labor and less leaf breakage than manual sorting.

Key specs

	AI Tobacco Grader	Leaf Shaper
Role	AI quality grading & sorting	Flatten dried/curled leaves into uniform sheets
Throughput	120–300 kg/hour (up to 4,500 leaves/hr)	High-speed continuous processing
Sensors / process	High-resolution RGB Line-Scan + NIR Multispectral	Precision rollers + heating
Accuracy / quality	>99.2% repeatability across standard grades	Complete flattening; PLC consistency
Defect detection	Holes down to 1 mm, tears, mold, color stains	—
Sorting / handling	Pneumatic micro-pulse air jets (non-contact); breakage <0.1%	PLC-controlled continuous; reduces manual labor
Ops advantages	Replaces 6–12 manual sorters	Automated continuous; stable / minimal maintenance

Differentiator vs manual sorting

	Manual	CigarroSmart AI Grader
Labor	6–12 sorters (site framing)	One automated system
Breakage	3–5%	<0.1% (non-contact air jets)
Consistency	Operator-dependent	>99.2% grade repeatability
Defects	Visual only	Holes ≥1 mm, tears, mold, stains
ROI (site claim)	—	Typical payback **6–9 months** (50k cigars/day); labor savings + **3–5% higher wrapper recovery**

Call to action — free sample test

1. Ship **50–100 leaves**
2. Receive a **sorting recipe**, a **live grading video** of your lot, and an **accuracy / ROI report**

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Facts from live site only (cigarrosmart.com / tobacco-grader-machine.html). No public factory demo video on site as of pack creation; sample-test program supplies custom live grading video per prospect. Leaf Shaper details from homepage.