

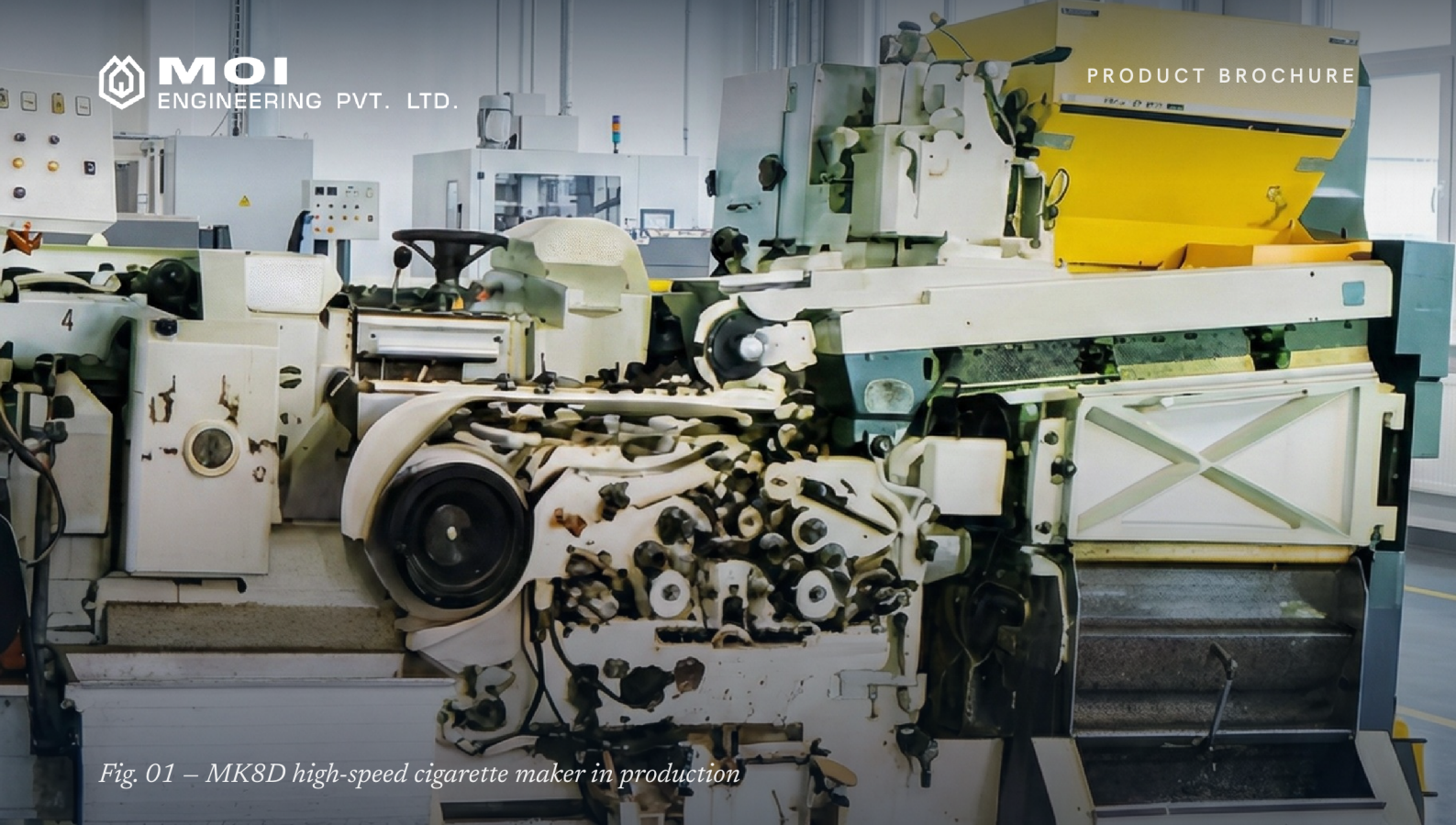


Fig. 01 – MK8D high-speed cigarette maker in production

CIGARETTE MAKING · TOBACCO ROD MAKER

MK8D High-Speed Cigarette Making Machine

MARK 8D · Authentic Molins Design, Modern Automation

The dependable workhorse of medium-scale tobacco production — forming a continuous tobacco rod into finished cigarettes at 3,000 a minute, with the reliability the Molins Mark-8 platform is known for.

Cut tobacco is metered, gathered on the garniture, wrapped in paper and sealed into an endless rod, then cut to length — one smooth, high-speed cycle built on proven engineering.

Siemens PLC and VFD control, hydraulic weight regulation and automatic bobbin changing deliver over four million uniform cigarettes a day with minimal intervention.

EST. 1960

ISO 9001:2015

50+ COUNTRIES

1,000+ INSTALLATIONS

3,000

CIGARETTES / MIN

4 M+

CIGARETTES /
DAY

210

M/MIN ROD SPEED

Molins

MARK-8 HERITAGE

THE PROCESS

Feed · Form · Wrap · Seal · Cut

From loose tobacco to a finished rod

Cut tobacco becomes a continuous, paper-wrapped rod and is cut to length in one uninterrupted high-speed loop.

01	Feed	Prepared cut tobacco is metered by the feeder, which regulates flow to keep rod weight and density consistent.
02	Form Rod	A continuously moving garniture tape gathers and shapes the tobacco into an endless rod of controlled diameter.
03	Wrap	Cigarette paper is drawn in beneath the rod, forming a continuous paper-wrapped tube around the tobacco.
04	Seal	Seam adhesive is applied and the lap seam is sealed to lock the wrapped rod into a stable, finished tube.
05	Cut	A rotating knife cuts the endless rod into individual cigarettes, transferred to the catcher or plug assembler.

ENGINEERED FOR UPTIME

Hydraulic weight control

Écréteur and adjustable end discs regulate rod density precisely for a uniform, on-spec cigarette weight.

Full suction enclosure

Centralised dust collection keeps the operating environment clean and protects product quality.

Automatic bobbin changer

Splice detection and rejection swap paper reels on the fly, keeping the line running without stopping.

PLC & VFD automation

Siemens control and variable-frequency drives lower maintenance and lift reliability run after run.

GOOD TO KNOW

Maker, then filter assembly

The MK8D forms the tobacco rod. Filters are attached by a coupled plug assembler such as a MAX unit — the perfect partner for finished filter cigarettes.

Branding on the line

An optional D-type single or dual-colour printer with bronzing unit lets you brand cigarettes inline for a premium finish.

1926

The MK8D descends from the Molins "Mark" series, tracing back to the Mk.1 of 1926 — one of the world's most installed and most rebuildable maker platforms. MOI, founded in 1960 as Molins of India, builds it still.

SPECIFICATIONS

MK8D

Technical Specifications

PERFORMANCE

Production capacity	3,000 cig/min (70 mm)
Daily output	≈ 4 million+ cigarettes
Tobacco rod speed	210 m/min (max)
Running direction	Right to left
Control	Siemens PLC + VFD

FORMAT RANGE

Cigarette length	45–80 mm
Cigarette diameter	5–9 mm

WHY MANUFACTURERS CHOOSE IT

- 3,000 cig/min with authentic Molins reliability
- Non-stop running with automatic bobbin changing
- Precise rod density from hydraulic weight control
- Rebuildable Mark-8 platform, low cost per machine

DELIVERY & SUPPORT

Installation & commissioning

On-site set-up and start-up by MOI engineers.

Operator training

Hands-on training for operators and maintenance teams.

Spares & refurbishment

Genuine parts and full rebuilds for the Mark-8 platform.

APPLICATIONS

Medium-scale cigarette manufacturing · Filter cigarette production (paired with a plug assembler) · Multi-brand cigarette lines — for producers upgrading from manual processes to automated, high-volume output.