



Fig. 01 – TSW 160 toilet soap wrapping machine

SOAP & DETERGENT · SOAP WRAPPING MACHINE

TSW 160 Toilet Soap Wrapping Machine

Rectangular & Elliptical Bars · 160 Packets a Minute

Wrapping both rectangular and elliptical soap bars at 160 a minute with advanced heat-sealing — no shape changeover, no quality compromise.

Suction-cup feeding protects the printed or embossed face of premium bars, while contour folders shaped to the geometry wrap rectangular and elliptical soaps alike.

Eye-mark register control keeps printed wrappers aligned and heated rollers fuse tight, tamper-evident seals — one machine for multiple bar shapes on the same line.

EST. 1960

ISO 9001:2015

50+ COUNTRIES

1,000+ INSTALLATIONS

160

PACKETS / MIN

60–110

MM BAR LENGTH

Rect & Oval

BAR SHAPES

Heat

SEAL TECHNOLOGY

THE PROCESS

Feed · Cut · Fold · Index · Seal

From premium bar to a sealed pack

Suction-cup feeding and shape-matched contour folders wrap rectangular or elliptical bars, finished with heat-sealed folds — one gentle, high-speed cycle.

01	Feed	Bars are fed by suction cups, protecting the printed or embossed face of premium toilet bars.
02	Cut	Reel-fed heat-sealable wrapper is cut to length, with eye-mark register control aligning printed wrappers.
03	Fold	The bar is pushed into a turret and film is folded around it by contour folders shaped to rectangular or elliptical geometry.
04	Index	The turret indexes to complete the folds while spring-loaded blocks hold the bar firmly in place.
05	Seal	Heated rollers or elements fuse the folds into a tight, tamper-evident seal and the finished bar is discharged.

ENGINEERED FOR PRECISION

Rectangular & elliptical

Contour folders and change parts handle oval as well as rectangular bars — switch shapes on one machine, no separate line.

Gentle suction-cup feed

Softer than pushers, protecting the embossed or printed face of premium toilet bars.

Advanced heat-sealing

Heated rollers create tight, secure, tamper-evident wraps that protect product integrity on the shelf.

Eye-mark register control

Register correction lands the printed wrapper correctly on every bar, shape after shape.

GOOD TO KNOW

What it wraps

Toilet soap bars — rectangular or elliptical (not round) — 60–110 mm long, 35–65 mm wide, 13–35 mm high.

Shape flexibility, one line

For manufacturers running multiple bar shapes — no choice between shape flexibility and production speed.

1960

“TSW” is MOI’s Toilet Soap Wrapper. Premium toilet soaps — often elliptical as well as rectangular — call for gentle suction-cup feeding and precise contour folding, which this machine is built to deliver for a clean retail finish.

SPECIFICATIONS

TSW 160

Technical Specifications

PERFORMANCE

Output capacity	Up to 160 packets/min
Wrapping material	Paper / poly / hot-melt lam.
Sealing	Heat sealing
Supported shapes	Rectangular / elliptical

PRODUCT FORMAT

Product length	60 – 110 mm
Product width	35 – 65 mm
Product height	13 – 35 mm

BUILD & UTILITIES

Lamination	Inner / outer side
Reel diameter	400 mm
Core diameter	76 mm
Electrical supply	415 V, 3-Ph 4-wire, 50 Hz
Installed power	4.5 kW
Dimensions (L×W×H)	2650 × 1500 × 1760 mm
Weight	1,000 kg

WHY MANUFACTURERS CHOOSE IT

- 160 packets a minute, rectangular or elliptical
- Switch bar shapes on one machine — no separate line
- Tamper-evident heat seals that protect on the shelf
- Robust 1,000 kg build for continuous production

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 & service

Genuine spare parts and ongoing maintenance support.

APPLICATIONS

Toilet soap wrapping · Elliptical soap bar packaging · Rectangular soap wrapping — shape-flexible toilet-soap wrapping for the soap & detergent industry, feeding cartoning and bundling downstream.