

TCSG Automatic



Technical sheet

Usable Materials	Cardboard, PP, PE, HDPE, PS STANDARD
Max Core Length	2000, 3000, 4000 mm standard 78.74, 118.11, 157.48 in standard
Max Cut Length	2000, 3000, 4000 mm standard 78.74, 118.11, 157.48 in standard
Min. Cut Length	10 mm - 0.39 in
Max External Diameter	230 mm - 9.05 in
Min. External Diameter	80 mm - 3.15 in
Max Thickness Tubes	25 mm - 0.98 in
Min. Thickness Cardboard Tubes	4 mm - 0.16 in
Min. Thickness Plastic Tubes	3/4 mm - 0.11 / 0.16 in
Accuracy	+/- 0.1 mm - 0.004 in
Productivity	up to 10 cuts per minute
Electronic equipment	Siemens
Voltages	400V 50Hz / 480V 60Hz STANDARD
Compressed Air Pressure	6 Bar

TCSG - THE HIGHEST PERFORMANCE

LOADING SYSTEMS

AUTOMATIC LOADING SYSTEM

This system enables the loading of a full pallet of cores directly into the magazine using a forklift. Safety photocells ensure secure handling during insertion. Once the tubes are stabilized within the steel frame, the strapping is removed, and the machine automatically feeds itself until all cores are consumed.

AUTOMATIC CARRIAGE SYSTEM

A ground-anchored chain loading mechanism connects to a preloaded cart of cores. This highly flexible setup allows for rapid cart preparation and replacement, ensuring extended autonomy and minimal downtime.

AUTOMATIC DRAWER SYSTEM

Designed for versatility, this steel-framed system features multiple sliding levels that accommodate cores of various diameters. The machine autonomously selects and retrieves the required core from the appropriate drawer, enabling seamless multi-size loading within a single storage unit.

SEMI-AUTOMATIC LOADING SYSTEM

This configuration includes an inclined platform anchored to the ground, where cores are manually arranged. The standard version holds approximately twenty 3" cores or twelve 6" cores. It supports simultaneous loading of different tube sizes while maintaining the machine's automatic cycle.

MANUAL LOADING SYSTEM

A designated open side of the machine, safeguarded by protective barriers, allows operators to manually load full cores or individual pieces with ease and safety.

Automatic loading



Semi-automatic loading



Internal core cleaning



UNLOADING SYSTEMS

ROLLERS UNLOADING SYSTEM

A straightforward solution where cut pieces accumulate on a pair of rollers mounted on a sturdy steel frame. Simple, reliable, and easy to maintain.

SIMPLE EJECTION SYSTEM:

Equipped with a pneumatic pusher that automatically ejects the cut pieces, it ensures smooth and reliable handling.

STANDARD UNLOADING SYSTEM:

A fully automatic discharge system with the option to integrate an internal cleaning module for enhanced hygiene and efficiency.

DOUBLE AUTOMATIC UNLOADING:

A fully automated unloading system designed to discharge cut cores from both the front and rear sections of the machine. This dual-side configuration doubles unloading capacity and enables easy separation of cores by type—streamlining workflow and enhancing operational efficiency.

CAROUSEL UNLOADING SYSTEM:

Features rotating containers that sort and separate cores based on their cut lengths, ideal for managing multiple formats with precision.



ACCESSORIES

- External Deburring System
- Internal Core Cleaning Module
- Ionisation Device
- Core Printing Unit
- Automatic Filter Sleeve Cleaning System
- Automatic Dust Separation Device
- Modem for Remote Support
- Industry 4.0 Pack

