

## OPTIMA



### Technical sheet

|                                |                                                                   |
|--------------------------------|-------------------------------------------------------------------|
| Usable Materials               | Cardboard, PVC STANDARD                                           |
| Max Core Length                | 2000, 3000, 4000 mm standard<br>78.74, 118.11, 157.48 in standard |
| Max Cut Length                 | 2000, 3000, 4000 mm standard<br>78.74, 118.11, 157.48 in standard |
| Min. Cut Length                | 7 mm - 0.28 in                                                    |
| Max External Diameter          | 250 / 350 mm - 9.84 / 13.78 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                       | +/- 0.25 mm - 0.01 in                                             |
| Productivity                   | up to 8 cuts per minute                                           |
| Electronic equipment           | Siemens                                                           |
| Voltages                       | 400V 50Hz / 480V 60Hz STANDARD                                    |
| Compressed Air Pressure        | 6 Bar                                                             |

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## KEYWORD OPTIMIZATION

### 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.

#### SEMI-AUTOMATIC LOADING SYSTEM

This configuration includes an inclined platform anchored to the ground, where cores are manually arranged. The standard version accommodates up to ten 3-inch cores, seven 6-inch cores, or five 8-inch cores. This setup allows for the simultaneous loading of different core sizes while maintaining the machine's automatic cutting cycle.

#### MANUAL LOADING SYSTEM

The manual loading system consists of an open side of the machine, safeguarded by safety barriers. This area enables the operator to manually insert bars or individual pieces, providing a straightforward and secure solution for custom or small-batch operations the operator to load full cores or pieces manually.

- + Selectable joint
- + Integrated vacuum system
- + Diameters 3" to 8/12"
- + Touch commands
- + Same blade for all materials
- + Streamlined maintenance
- + No mechanical operation

## 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

An automatic configuration equipped with a pneumatic pusher that efficiently ejects the cut pieces, ensuring smooth and continuous operation.

### DOUBLE AUTOMATIC UNLOADING SYSTEM

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.

## ACCESSORIES

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

