

Roll-off unit Cradle Feeder

The cradle feeder enables tension-free advancing of flexible, stretchy textile materials. Integrated edge control guarantees the materials are fed onto the cutter squarely, even with problematic rolls and irregular edges.

As the name implies, the heart of this feeder is a cradle created by a system of rollers and conveyor belts that advances material off a roll to the working area of the cutter.

A motorized mechanism permits lowering the back of the cradle for quick and easy roll changes. This makes it possible for one operator to comfortably load new rolls without assistance.

A dancer bar continually registers fluctuations in web tension. If needed, the cradle feeder regulates the drive speed, ensuring entirely tension-free material advancing.

Integrated edge control ensures exact alignment of the material edges during rolloff. Whenever the sensor detects an irregularity, the feeder automatically adjusts the horizontal alignment of the cradle. This permits correctly advancing even from poorly wound, out-of-round rolls.

When the end of the material is reached, unwinding stops automatically. This eliminates any issues when processing rolls where the end of the material is taped onto the core.

Because no shaft is needed to hold the roll in place, there are no specific requirements in

terms of core diameter or core characteristics. Even rolls with crimped, broken or missing cores pose no problem for advancing with this type of feeder.

The cradle feeder is capable of both unwinding and rewinding rolled materials. This makes it easy to bring material back to the starting position after processing is finished. The rapid-rewind feature ensures tightly wound, perfectly compact rolls without air pockets.

For even greater flexibility, the cradle feeder can be equipped as needed with an optional roll-off unit with shaft.



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Details

Roll weight: max. 100 kg / 220 lbs

Roll diameter: max. 400 mm / 15.75 in

Available in widths L, XL and 3XL.
(The cradle feeder is compatible with all G3 and D3 sizes; for M and 2XL models, the slightly wider than necessary L/3XL feeders are used)

Feeder mounts either directly to the cutter or to cutter extension.

Suitable for inward/outward wound rolls.

Compatible with **G3**, **S3**, **D3**.

Benefits at a glance

Tension-free feeding of flexible, stretchy textiles.

Automatic edge control guarantees feeding accuracy.

Fast, easy roll changes for maximum versatility.

Feeder reliably handles rolls with crimped, broken or missing cores.

Rapid-rewind feature returns material back to starting position after processing.

Simple controls with user-friendly touch panel.

Additional roll-off unit with shaft can be mounted on cradle feeder as option.

Fully supported in Zünd Cut Center - ZCC software.

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