

# A PRESS RELEASE FROM UNOTECH® GMBH

Niederlangen, May 2026

**UNOTECH**<sup>®</sup>  
LM GROUP

unoTech® presents

# RaffiXX

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Page 1 of 2

## RaffiXX – THE LATEST GENERATION OF AUTOMATIC TWINE TYING

### NO QUESTION ABOUT IT: 'TWO IS BETTER THAN ONE!'

**Niederlangen.** A popular saying, familiar to almost everyone and which has proven its worth in a wide variety of situations, now also describes the latest development from unoTech, which, in the opinion of all experts, can confidently be described as groundbreaking. This refers to the introduction of a completely new type of automatic tying machine for stationary balers, which, under the abbreviation **RaffiXX**, enables high-strength raffia plastic twine to be securely brought together and joined in **double knots** as a new tying material.

Automatic tying with tying twine is not an innovation in the true sense of the word, especially since such devices have been in use in the field for many decades in self-propelled harvesters and balers.

With the aim of producing bales or packs that are as heavy as possible – as they are called in the agricultural industry – the use of particularly tear-resistant tying twine is essential. And this is precisely where these devices and the machines associated with them reach their limits.

The advantages of tying twine, however, especially when compared to steel wire, are hard to overlook. These include, in particular, an unbeatable price-performance ratio coupled with technical values such as tensile strength and tear resistance that are in no way inferior to those of steel wire.

The attempts by the recycling industry to transfer the obvious advantages of tying twine to stationary recycling presses with the help of the system technology of automatic tying machines known from agricultural technology should also be seen in this context. In retrospect, however, it can be said that the familiar system technology appears to be only of limited suitability for stationary use.

This is mainly due to the high pressing pressures generated in stationary presses and the reduced service life of automatic tying machines designed for mobile use.

Once again, the medium-sized company from Niederlangen in the Emsland region is demonstrating its innovative strength with the **RaffiXX** system and, with the **RaffiXX** automatic tying mechanism now available, is presenting a revolutionary new concept for heavy-duty twine for its fully automatic channel balers.

The integration of **RaffiXX** into the newly developed **UPATWIST**® automatic baler utilises a tying system for plastic twine that can effortlessly process even the heaviest tying twines, with a specification of 60 m/kg, into a **double knot**.

Similar to tying with steel wire during bale production, **RaffiXX** creates both a **double knot** at the start of bale production and a **double knot** to close the bale.

In this sequence, therefore, no additional loads are placed on the tying twine even during the compaction process, which could potentially affect the reliability of the tying.

However, the requirements placed on a system intended to eventually replace conventional tying systems for steel wire are by no means insignificant.

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The reliability and robustness of all elements and components, combined with the repeatability of processes required for continuous operation—even under the most challenging external conditions—must ensure consistently high process reliability at all times.

Only then do the advantages of the **RaffiXX/UPATWIST®** system become clear to operators of recycling plants, such as a drastic and significant reduction in process costs and the safe handling of the tying material 'twine' compared to steel wire.

## unoTech® GmbH - a strong partner in compaction

The baling press manufacturer unoTech GmbH develops, designs, builds and distributes high-performance machines worldwide for the maximum compaction of a wide variety of materials and waste. With its sales partners in Benelux, the UK, Poland, Austria, Norway and Sweden, South-East Asia and the unoTech Spain Division in Barcelona, founded in 2019, unoTech supplies its robust machinery for projects worldwide. unoTech's quality management system complies with the requirements of ISO 9001.



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Page 2 of 2

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